

PLEISTOCENE-RECENT

33 Fluvio-glacial and glacial gravels and sand

METAMORPHIC AND PLUTONIC ROCKS

POSTKINEMATIC INTRUSIONS

HELIKIAN

- 32 Michael Gabbro: Coarse to medium grained pyroxene-olivine gabbro, some hornblende-biotite gabbro and diorite
- 31 Coarse grained clinopyroxene-amphibole-alkali feldspar ferrogabbro
- 30 Mafic and intermediate dikes of various compositions and ages (pre to postkinematic)
- 29 Strawberry Granite: Pink, coarse grained, equigranular to megacrystic biotite granite
- 28a, 28b, 28c, 28d Medium to fine grained gray and white quartz monzonite and leucogranite (Monkey Hill Granite) 28a, white and light gray porphyritic and graphic leucogranite
- 27 Medium to coarse grained, pink, in places megacrystic, hornblende granodiorite and leucogranite
- 26a, 26b, 26c, 26d Partly recrystallized and foliated granodiorite with K-feldspar augen in places; 26a, coarse grained alkali feldspar granite with minor ribbitite or asphreite; 26b, coarse grained alkali feldspar granite to monzonite (Taron syenite); 26c, coarse grained K-feldspar megacrystic granodiorite; 26d, coarse grained hornblende monzonite to granodiorite (Walker Lake granite)
- 26 Walker Lake and Benedict granites: Medium to coarse grained, gray, locally porphyritic, granodiorite, granite and quartz monzonite
- 25 Migmatite: Complex relation of mafic paleosome, felsic neosome, and several intrusive phases
- 24 Burnt Lake granite: Gray, equigranular, medium to fine grained quartz monzonite to granite
- 23 Coarse grained biotite-hornblende monzonite to quartz monzonite
- 22a, 22b Adirivik Intrusive Suite: 22a, coarse, medium and fine grained hornblende gabbro and diorite, minor diabase and pyroxenite; 22b, coarse to medium grained, light gray leucodiorite

SYNKINEMATIC INTRUSIONS

APHEBIAN

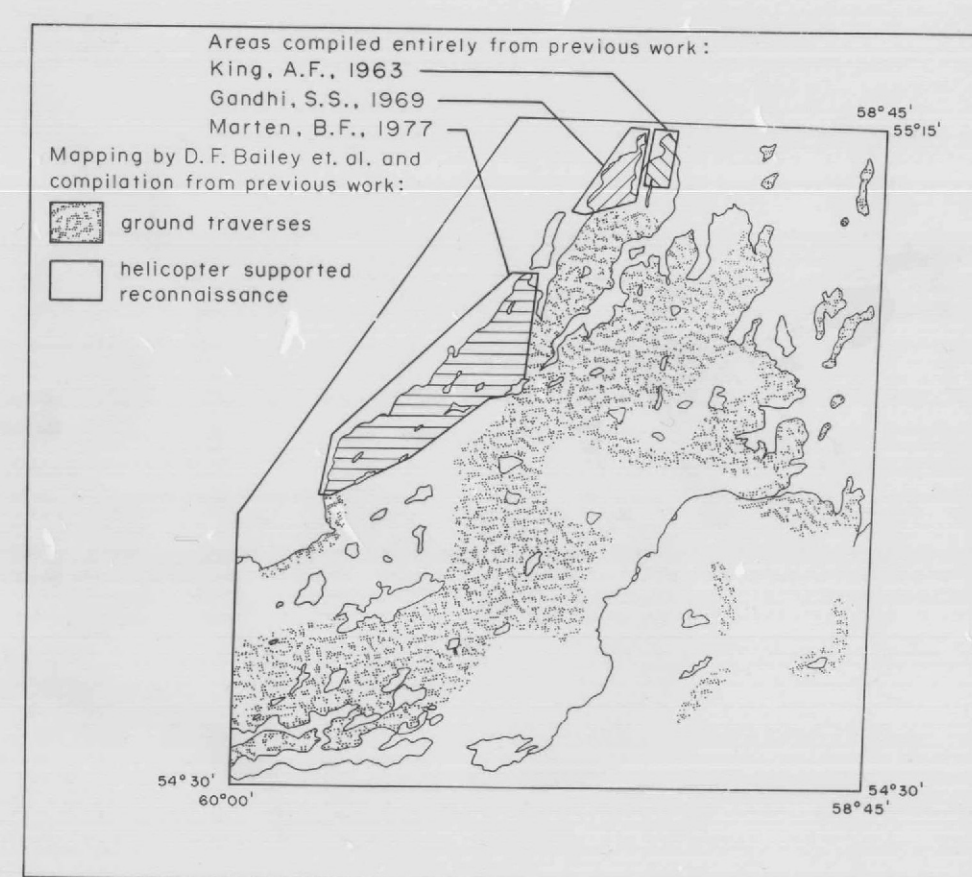
- 21 Granodiorite to quartz monzonitic migmatite; may be equivalent to Unit 14
- 20 Metagabbro dikes
- 19 Coarse grained leucocratic monzonite
- 18 Porphyritic plagioclase metabasals
- 17a, 17b, 17c, 17d Medium grained, gray quartz monzonite; 17b, medium to fine grained, gray quartz monzonite to granodiorite; schlieric in part; 17c, medium to coarse grained, porphyritic to nonporphyritic, biotite granite; 17d, leucocratic, gneissic, massive biotite granite

SYMBOLS

- Geological contact (defined, approximate, assumed)
- Bedding (top known, tops unknown, vertical, overturned)
- Primary igneous layering, flow banding, tops unknown (inclined, vertical)
- Schistosity, cleavage (inclined, vertical, dip unknown)
- Gneissic banding (inclined, vertical)
- Mineral lineation
- Axis of minor folds (inclined)
- Fault (defined, approximate, assumed)
- Shear zone (approximate)
- Lineament (from air photograph)
- Anticline, syncline
- Anticline, syncline (overturned)
- Antiform, synform
- Synform or antiform
- Axial trace of major folds and direction of plunge
- Mineral occurrence, deposit
- Locality where age has been determined, in millions of years
- Adit
- Strike and dip of pillows, tops known (inclined)

ABBREVIATIONS

- chalcopyrite ..... cp
- pyrite ..... py
- pyrrhotite ..... pp
- fluorite ..... fl
- molybdenite ..... mo
- uranium ..... ur
- galena ..... ga
- sphalerite ..... sp



RELIABILITY DIAGRAM

Geology by D.G. Bailey (1977), D.G. Bailey, J.M. Flanagan, and A. Lalonde (1978), R.A. Doherty (1979). Revised by C.F. Gower (1982).

Reliability diagram indicates compilation by D.G. Bailey and J.M. Flanagan from previous mapping.

This preliminary map may be subject to future revision and correction.

Geological cartography by Mineral Development Division, Department of Mines and Energy, Newfoundland and Labrador.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, A1C 5T7.

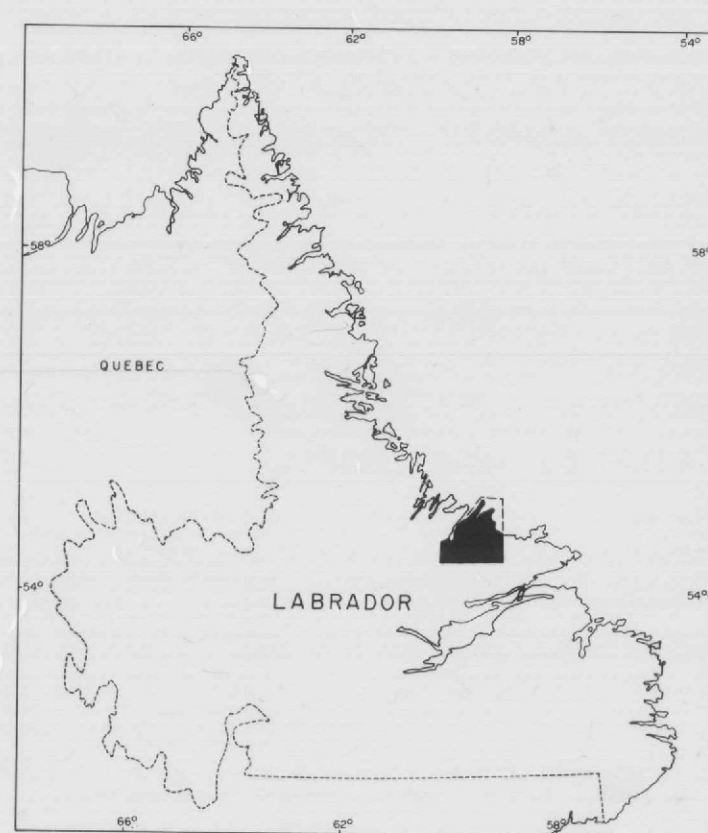
Base maps at scale 1:50,000 published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa.

Approximate magnetic declination, 1980, at centre of map, 34° 16' west, decreasing 4' annually.

Some of the names used on this map are not official.

To accompany Report 82-7

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INDEX MAP

LEGEND

PREKINEMATIC INTRUSION

16 Tremolite-actinolite green metabasals and hornblende metabasals

REMOBILIZED ARCHEAN

- 15 Gray leucocratic biotite granite
- 14 Migmatitic quartz monzonite, granodiorite and granite with irregular-shaped gneiss rafts
- 13 Beemwater Granite: Leucocratic biotite granite and quartz monzonite, nebultic and schlieric zonation
- 12 Granite migmatite, paleosome of Hopedale Gneiss in schlieric granite neosome
- 11 Refoliated granodioritic gneiss, gray, foliated granodiorite, quartzitic mylonite

SEDIMENTARY AND VOLCANIC ROCKS

AILLIK GROUP

UPPER AILLIK GROUP

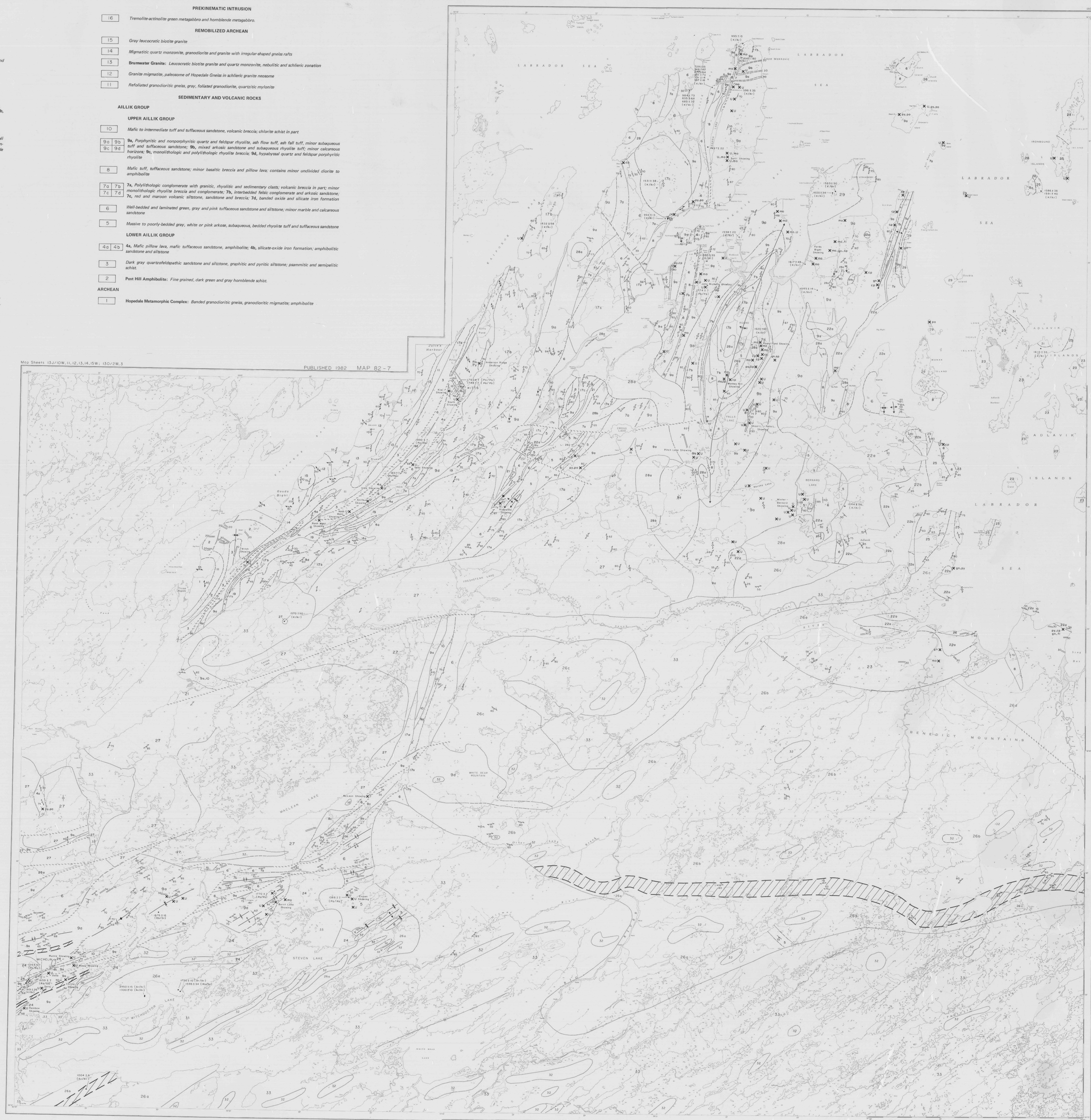
- 10 Mafic to intermediate tuff and tuffaceous sandstone, volcanic breccia, chlorite schist in part
- 9a, 9b, 9c, 9d Porphyritic and nonporphyritic quartz and feldspar rhyolite, ash flow tuff, ash fall tuff, minor subaqueous tuff and tuffaceous sandstone; 9a, mixed arkosic sandstone and subaqueous rhyolite tuff; minor calcareous horizons; 9b, monolithologic and polyfilitic rhyolite breccia; 9c, hypabyssal quartz and feldspar porphyritic rhyolite
- 8 Mafic tuff, tuffaceous sandstone; minor basaltic breccia and pillow lava; contains minor undivided diorite to amphibolite
- 7a, 7b Polyfilitic conglomerate with granitic, rhyolitic and sedimentary clasts; volcanic breccia in part; minor monolithologic rhyolite breccia and conglomerate; 7b, interbedded felsic conglomerate and arkosic sandstone; 7c, red and maroon volcanic siltstone, sandstone and breccia; 7d, banded oxide and silicate iron formation
- 6 Well bedded and laminated green, gray and pink tuffaceous sandstone and siltstone; minor marble and calcareous sandstone
- 5 Massive to poorly bedded gray, white or pink wacke, subaqueous, bedded rhyolite tuff and tuffaceous sandstone

LOWER AILLIK GROUP

- 4a, 4b Mafic pillow lava, mafic tuffaceous sandstone, amphibolite; 4b, silicate-oxide iron formation; amphibolitic sandstone and siltstone
- 3 Dark gray quartzofeldspathic sandstone and siltstone, graphitic and pyritic siltstone, psammitic and semipelite schist
- 2 Post Hill Amphibolite: Fine grained, dark green and gray hornblende schist

ARCHEAN

1 Hopedale Metamorphic Complex: Banded granodioritic gneiss, granodioritic migmatite, amphibolite



KAIPOKOK BAY - BIG RIVER AREA

