



MINERAL DEVELOPMENT DIVISION
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

23 H/12

1:50,000

23 H/12

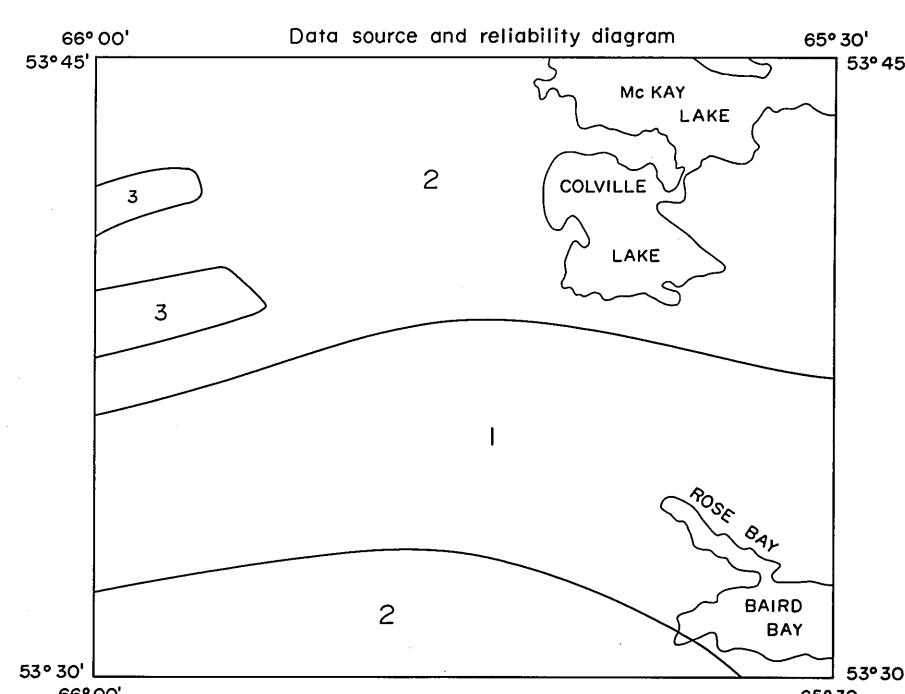
- HELIKIAN**
- 14** GRANITOID INTRUSIONS: 14a, Granodiorite, granite, megacrystic in places; 14b, quartz monzonite; 14c, microgranite, apite
- SHABOGAMO INTRUSIVE SUITE**
- 13** 13a, Metamorphosed quartz monzonite, quartz diorite and monzonite; 13b, metamorphosed porphyritic monzonite and granite
- 12** 12a, Metagabbro and metanorite with relic igneous texture; 12b, amphibolite and hornblende-plagioclase ± biotite schist; 12c, actinolite-biotite-chlorite-plagioclase schist; 12d, metamorphosed diorite and granodiorite; 12e, metabasaltite; 12f, very fine grained metagabbro; 12g, metagabbroite and talc-actinolite schist
- 11** SIMS FORMATION: 11a, Arkose; 11b, orthoquartzite
- 10** BLUEBERRY LAKE GROUP: 10a, Felsic volcanic rocks, predominantly rhyolite and rhyodolite; 10b, basaltic and intermediate flows and tuffs; 10c, felsic crystal and crystal tuffic tuffs, minor volcanic breccia; 10d, tuffaceous sandstone, siltstone and graywacke, minor phyllite and slate; 10e, polyimitic conglomerate; 10f, late porphyry
- APHEBIAN**
- KNOB LAKE GROUP**
- 9** MENHEK FORMATION: 9a, Dark grey to black schist, phyllite and slate, commonly graphite bearing; 9b, quartz-feldspar-biotite schist
- 8** SOKOMAN FORMATION: 8a, Carbonate iron formation; 8b, silicate and silicate carbonate iron formation; 8c, oxide iron formation; 8d, ferruginous quartzite; 8e, quartz-garnet-two amphibole ± pyroxene schist/gabbro; 8f, cherty magnetite graywacke; 8g, cherty magnetite iron formation with wulfenite fragments; 8h, leached iron formation, original lithotype unknown in some cases
- 7** WISHART FORMATION: 7a, Coarse grained white crystalline quartzite; 7b, pelitic schist; 7c, quartz pebble conglomerate with pelitic schist matrix
- NIMISH SUBGROUP**
- 6** MAFIC METAVOLCANIC ROCKS: Predominantly with greenschist mineralogy; 6a, with relic pillow structures; 6b, massive; 6c, with relic vesicular texture; 6d, porphyritic; 6e, agglomerate
- 5** METATUFFACEOUS SEDIMENTS AND CONGLOMERATE: 5a, Actinolite-chlorite-biotite schist, tuffaceous fragments common; may contain up to 50% carbonate; 5b, oligomitic, volcanogenic conglomerate with actinolite ± chlorite schist matrix; minor volcanogenic siltstone and shale; 5c, interbedded volcanogenic and pelitic metasediments; 5d, garnetiferous amphibolite
- 4** DENAULT FORMATION: 4a, Dolomitic and calcitic marble; 4b, dolomitic marble with actinolite-chlorite schist
- ATTIKAMAGEN FORMATION: 3a, Biotite bearing quartzofeldspathic schist; 3b, biotite bearing quartz-K-feldspar schist; 3c, migmatitic quartzofeldspathic schist/gabbro; 3d, porphyroclastic gneiss schist; 3e, metagraywacke-siltstone-slate; 3f, gray-black phyllite**
- APHEBIAN OR HELIKIAN**
- 2** GRANITOID INTRUSIONS: 2a, Coarse grained alkalic granite; 2b, porphyritic, megacrystic and non porphyritic granite
- ARCHEAN**
- 1** ASHUANIPPI METAMORPHIC COMPLEX: 1a, Banded migmatitic gneiss including pyroxene bearing granites, diorite and minor gabbro; 1b, EASTERN BASEMENT METAMORPHIC COMPLEX: Granodiorite-tonalite gneiss, variably mylonitized and retrogressed; 1c, Garnet talc schist bearing plagioclase and amphibole (occurs as enclaves in unit 1a)

NOTE: The use of both sedimentary and metamorphic terminology reflects the varying appearance of the rocks in the field. All units are metamorphosed.

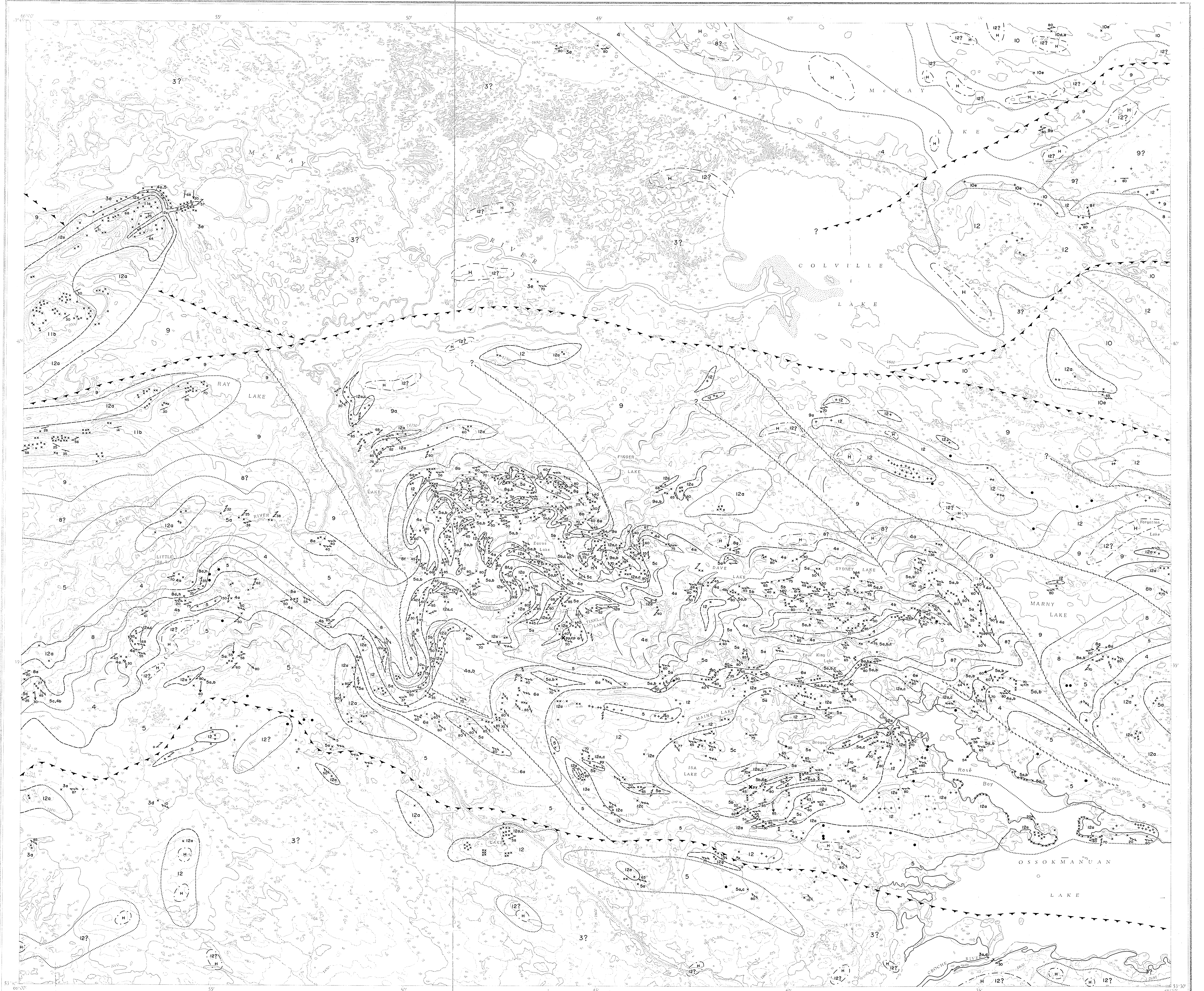
This legend and list of symbols are common to several map sheets. Some units and symbols may not occur on this map.

SYMBOLS

- Outcrop, large outcrop x
- Outcrop, large outcrop (compiled) x
- Geological contact (defined, approximate, assumed) - - - - -
- Fault, reverse or normal (defined, approximate, assumed) - - - - -
- Thrust fault, (defined, approximate, assumed) - - - - -
- Hudsonian lineament (may represent overturned fold axis and/or thrust fault) - - - - -
- Bedding, tops unknown (inclined, vertical, horizontal) /
- Bedding, tops known (inclined, vertical, horizontal) /
- Primary igneous layering, tops known (inclined, vertical, horizontal) /
- Primary igneous layering, tops unknown (inclined, vertical, horizontal) /
- Strike and dip of pillows, tops known (inclined, vertical) /
- Strike and dip of pillows, tops unknown (inclined, vertical) /
- S₁ slaty cleavage or schistosity (inclined, vertical, horizontal) /
- (generally parallel to S₀ in map area)
- S₂ crenulation or differentiated cleavage (inclined, vertical, horizontal) /
- Gneissic banding (inclined, vertical, horizontal) /
- Sense of vergence of minor fold /
- Producing iron ore mine x
- Lineation defined by:
- mineral alignment /
- rising /
- S intersections /
- microremnants /
- metamorphic aggregates /
- deformed pillows /
- minor fold axes (of unknown age) /
- minor fold axes (L₁) /
- minor fold axes (L₂) /
- Structural trends (from air photographs) /
- Diamond drill hole x
- Mineral occurrences
- cp - chloropyrite py - pyrite
- sp - pyrrhotite mag - magnetite
- hem - hematite
- Age dating locality (age in millions of years) x
- Method
- R - Rd/D b - biotite
- K, K₂A₂ m - muscovite
- w - whole rock
- Aeromagnetic anomaly (H - high; L - low) (shown only in areas of little or no outcrop) /
- Aeromagnetic lineament /
- Shoreline after flooding /

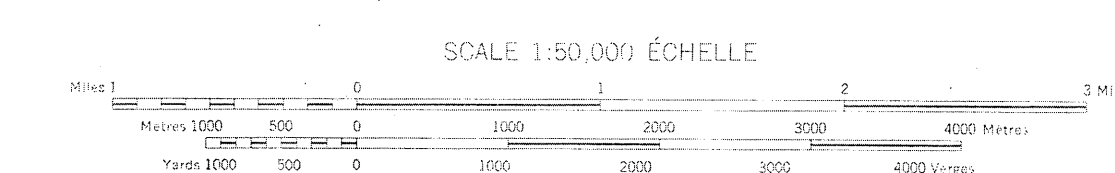


1. Ground traversed by N. Noel (1979)
 2. Helicopter traversed by N. Noel and T. Rivers (1979)
 3. Ground traversed by M. Ware (1978)
- Compiled information from various Labrador Mining and Exploration Company and Iron Ore Company of Canada sources. Map interpreted by T. Rivers 1979, 1980.



PUBLISHED, 1982

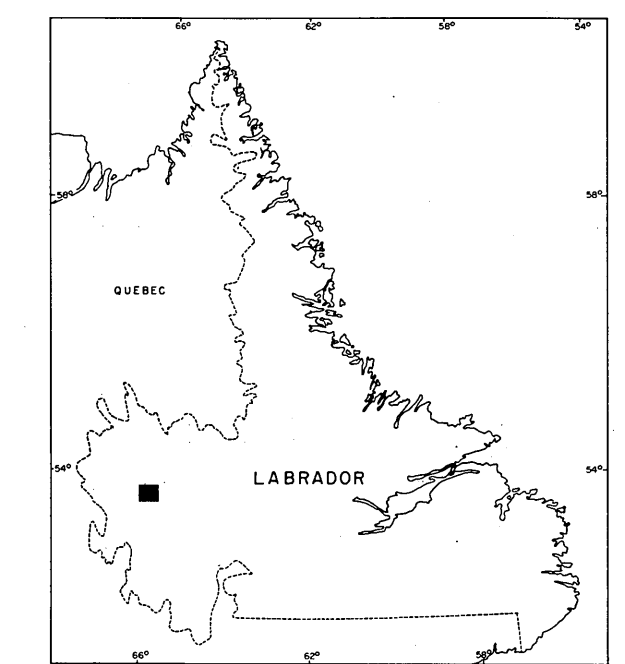
McKAY RIVER
MAP 81-15
NEWFOUNDLAND



CONTOUR INTERVAL: 10 FEET
Elevation on Feet show Mean Sea Level
North American Datum 1913
Magnetic Declination: 37°04' WEST
AT CENTRE OF MAP 1980
Annual change (decrease) 4'

This project was financed under the Canada-Newfoundland Mineral Settlement Agreement (1977-1981) by loan from the Government of Newfoundland and Labrador (1981) and from the Department of Regional Economic Expansion (1977 and 1978) and from the Department of Energy, Mines and Resources (1979) of the Government of Canada.

Published, 1981.



23 H/12