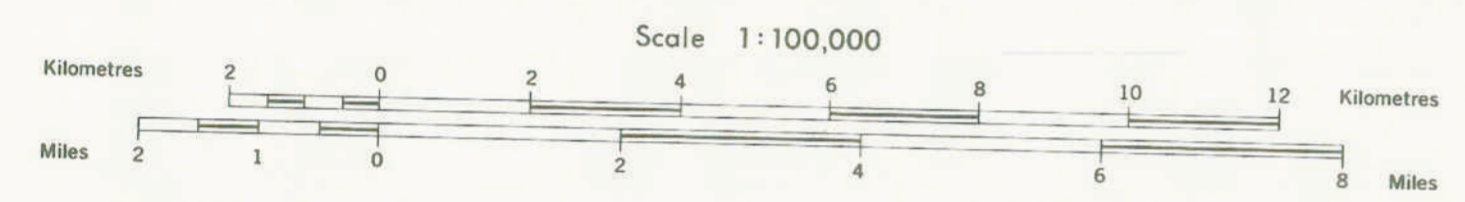


MAP 2 GEOLOGY OF THE SOUTH-CENTRAL LABRADOR TROUGH

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

DEPARTMENT OF ENERGY, MINES AND RESOURCES
DEPARTMENT OF REGIONAL ECONOMIC EXPANSION
GOVERNMENT OF CANADA



Compiled by R. J. Wardle

SYMBOLS

- Oroclivop
- Angular frost heaved float
- Geological contact (defined, approximate, assumed)
- Fault (defined, approximate, assumed)
- Thrust fault, arrows indicate direction of dip
- Biotite isograd (defined, approximate)
- Garnet isograd (defined, approximate)
- Bedding, tops known (inclined, vertical, horizontal, overturned)
- Bedding, tops unknown (inclined, vertical)
- Strike and dip of pillow lava, tops known (inclined, vertical, overturned)
- Estimated dip (gentle, moderate)
- Igneous lamination or layering, tops unknown
- Columnar jointing (vertical)
- Slaty cleavage, schistosity (inclined, vertical)
- Onicite foliation (inclined, vertical)
- S₂ cleavage (inclined, vertical)
- F₁ minor fold axis, with sense and plunge
- F₂ minor fold axis, with sense and plunge
- F₃ major fold axis (defined, approximate). Anticline, syncline. (Arrow denotes direction of plunge)
- F₁ major fold axis, overturned (anticline, syncline)
- F₂ major fold axis (anticline, syncline)
- Area of strong cataclastic deformation
- Area of thick overburden in which geology is unknown
- Mineral prospect
- Mineral showing
- Structural trend from aerial photographs
- Bedding trends
- Cleavage trends
- Structural lineament of unknown type, from aerial photographs
- Gossan
- Iron deposit:
 - Soft ore
 - Hard ore (taconite)
- Diamond drill hole
- Mine (producing)
- Mine (past producer)

TOPOGRAPHIC REFERENCE

- Roads: largely unpaved, single track. Position of many roads is unurveyed and therefore can only be shown approximately. Road position also liable to change due to mining operations.
- Railway
- Powerline
- Townsite
- Building
- Airstrip
- Float plane anchorage
- Spot elevation in metres
- Marsh or swamp
- Sand flat

MINERAL ABBREVIATIONS

- Oroclivop orl
 - Magnetite mag
 - Sulphides s
- Chemical symbols are used for elements, e.g. Cu copper

Geology compiled by Richard J. Wardle, 1981 from published maps by the Newfoundland Department of Mines and Energy, and unpublished maps by the Iron Ore Company of Canada and the Labrador Mining and Exploration Company.

Geological cartography by T. Palamang, cartographic supervision by K. Byrne, Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, St. John's, Newfoundland A1C 3T7.

Base maps at 1:100,000 scale were assembled and produced by Maritime Resource Management Services Ltd., Antigonish, Nova Scotia. Maps have been recontoured to metric intervals, by hand from National Topographic System 1:50,000 maps with contours in feet. Metric contour intervals are not precise but are close approximations.

Base map at scale 1:50,000 published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, Canada, etc., revised by Mineral Development Division for this edition.

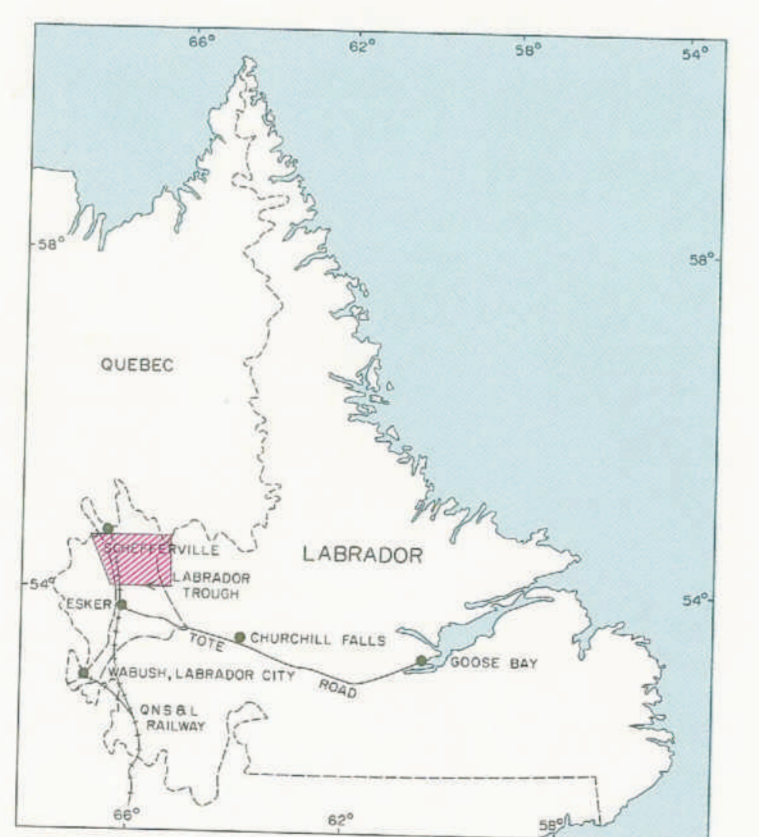
Approximate magnetic declination, 1979, varies from 21° 51' west at centre of eastern edge of map to 30° 29' west at centre of western edge of map. Decreasing 4' annually.

Elevation in metres above mean sea level.

The Quebec-Labrador boundary has not been monumented on the ground at date of publication. Its position, therefore, is only approximate.

Menihok, Dyke, Atroy, Pettitkapan and Birch Lakes, together with the Ashuanipi River, have been flooded up to depths of 10 m. The maps have not been corrected for this flooding.

Flathwork and publication costs were provided by the Federal Department of Regional Economic Expansion (67%), the Federal Department of Energy, Mines and Resources (14%), and the Newfoundland Provincial Government (10%).



MAJOR NON-FERROUS MINERAL PROSPECTS

- McKenzie River
 - Galena Lake
 - Montgomery Lake
 - Marrin Lake
 - Lac Faute
 - Indian Lake
 - Doublet Lake
 - Frederickson Lake
 - Wahk Lake
- MAP 2
- MAP 1