



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

LEGEND

HELIKIAN

Cape Caribou River Allochthon

- 7 Massive, coarse grained anorthosite.
- 6b Interlayered gabbro, leucogabbro and minor anorthosite, passing structurally downwards into metagabbroic equivalents.
- 6a Amphibolite and leuco-amphibolite.
- 5 Interlayered, mylonitized amphibolite - mafic granulite and white granite.

Thrust Contact

Granitoids

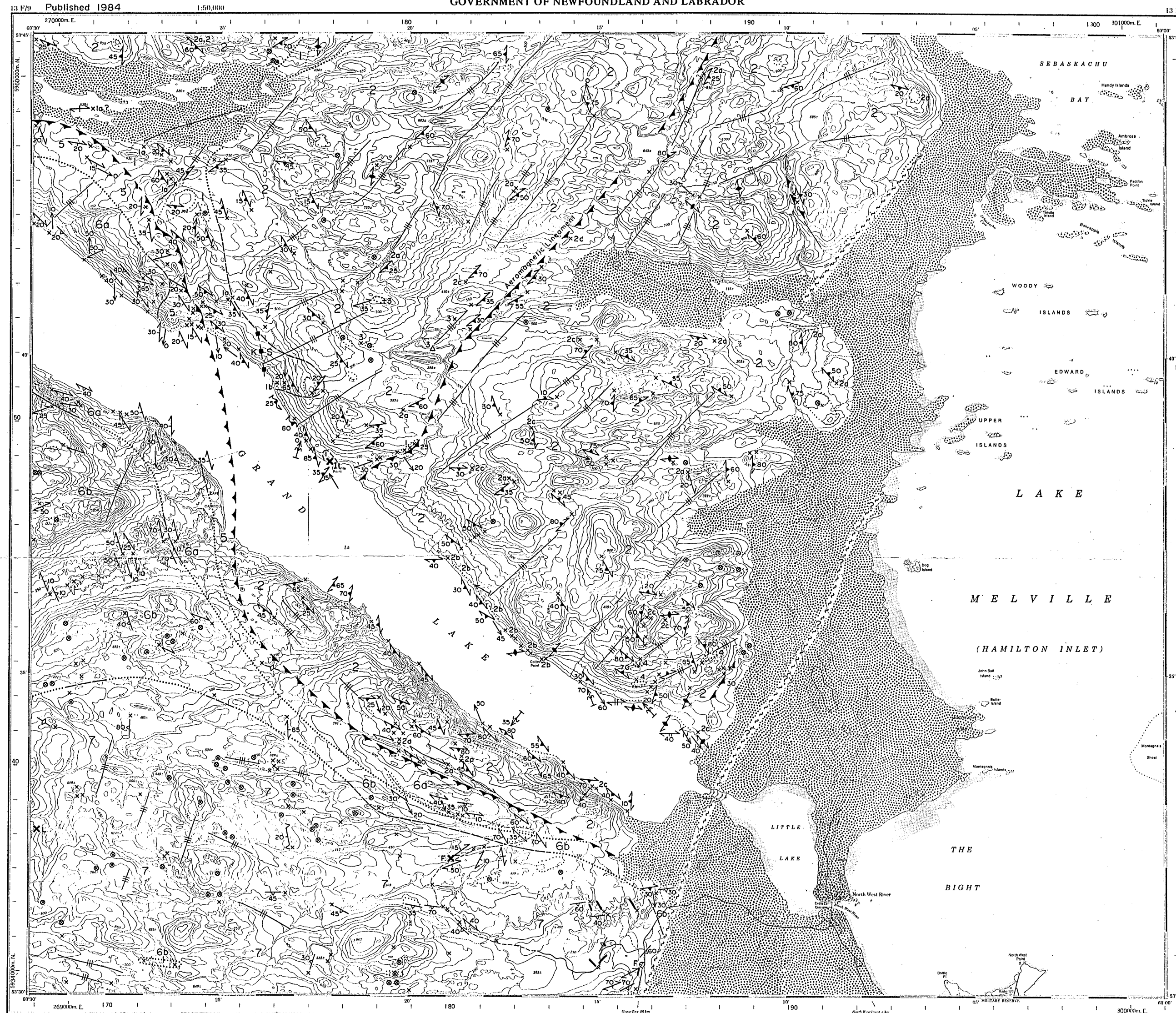
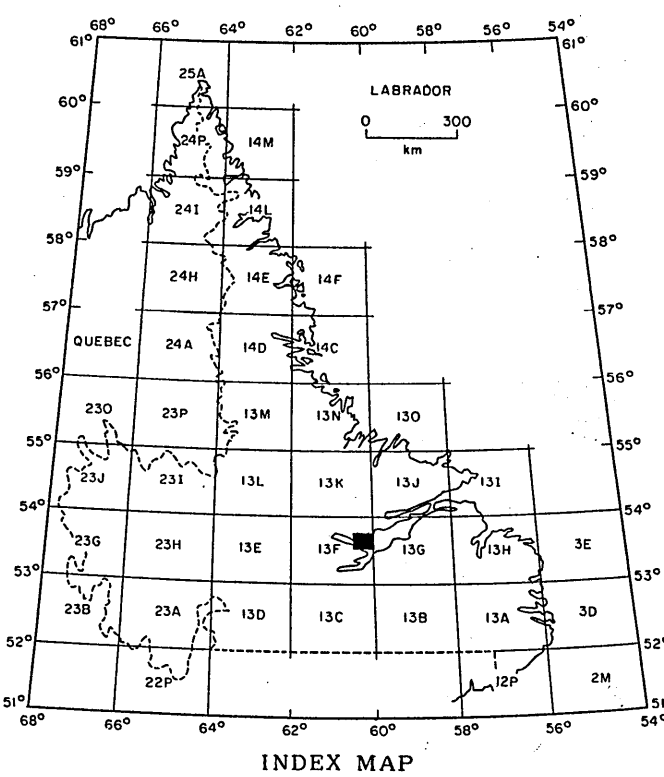
- 4 Coarse grained, megacrystic biotite granite.
- 3 Fine grained tonalite and microgranite.

Pre-Grenville Gneisses

- 2 Granitoid gneisses: generally gray, migmatitic granodiorite gneisses with abundant amphibolite bands, locally pyroxene-bearing.
  - 2a - pink granite gneiss.
  - 2b - gray, weakly to nonmigmatitic quartz diorite to tonalite gneiss, locally pyroxene-bearing.
  - 2c - amphibolite, amphibolite gneiss and minor mafic granulite.

APHEBIAN (?)

- 1 Kyanite-sillimanite-bearing, gray to pink, migmatitic metasedimentary gneisses.
  - 1a - amphibolite.
  - 1b - calc-silicate layers.



SYMBOLS

- Angular glacial float . . . . . Δ
- Drift-covered area . . . . . [stippled pattern]
- Outcrop . . . . . x
- Outcrop observed from air . . . . . [circle with x]
- Outcrop area . . . . . [dotted pattern]
- Road quarry . . . . . [curved line]
- Geological contact, defined, approximate, assumed . . . . . [dashed line]
- Thrust fault, defined, approximate, assumed . . . . . [line with triangles]
- Normal fault, defined, approximate, assumed . . . . . [line with triangles]
- Gneissic foliation, inclined, vertical . . . . . [line with arrows]
- Foliation, schistosity; inclined, vertical . . . . . [line with arrows]
- S<sub>2</sub> foliation, schistosity; inclined, vertical, dip unknown . . . . . [line with arrows]
- Shear fabric, inclined . . . . . [line with arrows]
- Primary igneous layering or lamination, tops unknown; inclined, vertical . . . . . [line with arrows]
- Primary igneous layering or lamination, tops known; inclined, vertical . . . . . [line with arrows]
- Mafic dikes . . . . . [line with dots]
- Foliation-gneissosity trends from air photographs . . . . . [line with arrows]
- Lineament, from air photographs . . . . . [line with arrows]
- Lineation . . . . . [line with arrows]
- Minor fold, with sense of fold vergence . . . . . [line with arrows]
- Kyanite/sillimanite isograd, approximate . . . . . [line with arrows]
- Mineral showing . . . . . x
  - IP = ilmenite
  - F = fluorite
  - L = labradorite feldspar

Geology by R. Wardle, 1983.

This preliminary map may be subject to revision and correction.

Geological cartography by 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, P.O. Box 4750, St. John's, Newfoundland A1C 5T7.

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

Magnetic declination at center of map, 1978, was 32° 15' west, decreasing 9.1' annually.

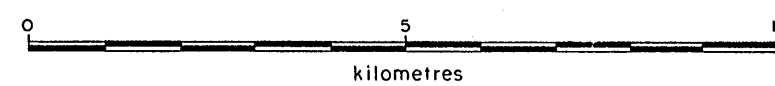
Elevations in feet above sea level.

CONTOUR INTERVAL 50 feet

GEOLOGY OF THE  
NORTH WEST RIVER AREA  
LABRADOR (13F/9)

NORTH WEST RIVER  
13F/9

SCALE 1:100,000



MAP 84-20

13F/9(38)