

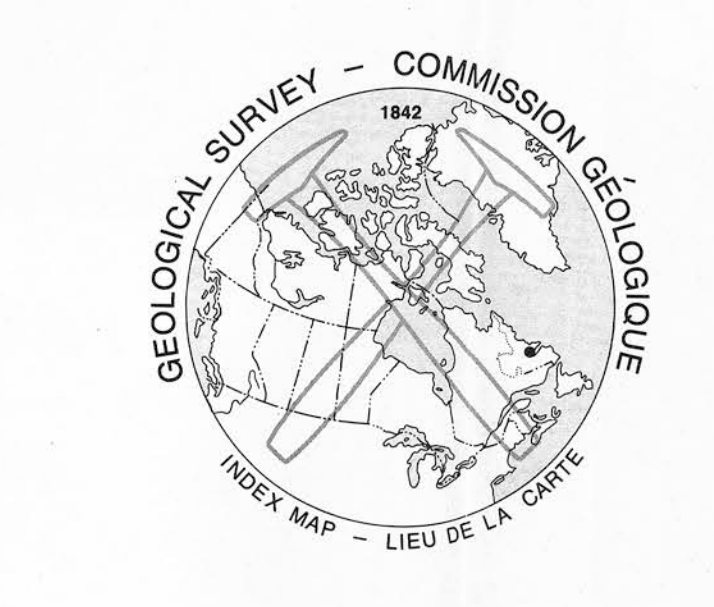
GOLD (ppb)
LAKE SEDIMENTS
GSC OPEN FILE 1636
CENTRAL LABRADOR, 1988, 1983, 1978, 1977
Parts of NTS 131, J, K, N and O

- LEGEND**
- SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS**
- HELIKIAN AND/OR APHEBIAN**
- GRENVILLE PROVINCE**
- [21] HMG5 06* Metagranite, schistose gneiss and conglomerate, sheared felsic porphyry, greenstone, metamorphic equivalents of SEAL, CROTEAU and ALLIK GROUPS.
 - [20] HMG5 06 Garnetiferous biotite-quartz-feldspar paragneiss.
 - [19] HMG5 06 Paragneiss, granitoid gneiss, minor quartzite and marble.
- CHURCHILL PROVINCE**
- [18] NM 06 Quartzite, conglomerate, arkose, shale, phyllite, basalt, mafic pyroclastics, greenstone, chlorite schist, stromatolitic limestone.
- NAIN PROVINCE**
- [17] PE 06 Intermediate to acid volcanics, feldspathic quartzite and minor conglomerate of UPPER CROTEAU GROUP.
 - [16] AE3 05 Conglomerate, quartzite, slate, siliceous dolomite, chert and arkose of MIDDLE CROTEAU GROUP.
 - [15] AE2 05 Feldspathic quartzite, conglomerate, argillite, basic volcanic rocks and metamorphic equivalents of ALLIK GROUP.
 - [14] AE1 05 Slate, argillite, siltstone, quartzite, greywacke, dolomite, and basalt of LOWER CROTEAU GROUP.
- ARCHAIC**
- GRENVILLE PROVINCE**
- [13] AG 02 Granitic gneiss, amphibolite, undivided acidic intrusives.
- NAIN PROVINCE**
- [12] AEV 02 Mafic schistose rocks, greenstone, metasedimentary rocks, amphibolite, minor ultrabasic intrusives.
 - [11] AEG 02 Granitic and granodioritic gneiss, migmatite, granulite, amphibolite, minor paragneiss, metasedimentary rocks and ultrabasic intrusives.
- INTRUSIVE ROCKS**
- CAMBRIAN AND EARLIER**
- [10] OM18 08 Diabase dykes.
- HELIKIAN**
- [9] NH17 06 Diabasic olivine gabbro, intermediate and ultramafic intrusive sills intruding SEAL GROUP.
 - [8] NH16 06 Gabbro, norite and diabase sills.
 - [7] PH13 06 Adamellite suite: adamellite, monzonite, syenite, granodiorite, granite and their hypersthene-bearing equivalents.
 - [6] PH11 06 Anorthosite suite: anorthosite, anorthositic gabbro, leucotroctolite, minor gabbro, monzonite, granodiorite, ferrosyenite.
- APHEBIAN**
- [5] APH5 05 Syenite, monzonite, syenodiorite.
 - [4] APH7 05 Granite, quartz monzonite, granodiorite, quartz diorite.
 - [3] APH6 05 ADLAVIK GABBRO; gabbro, metagabbro, diorite.
 - [2] APH5 05 Foliated feldspar-quartz-hornblende-biotite granitic gneiss, chlorite-epidote-quartz-feldspar gneiss, amphibolite, migmatite.
 - [1] APH4 05 Foliated granodiorite and granodioritic gneiss; intrusive into CROTEAU and ALLIK GROUPS.

*A mnemonic code assigned to rock types and recorded as part of field observations.

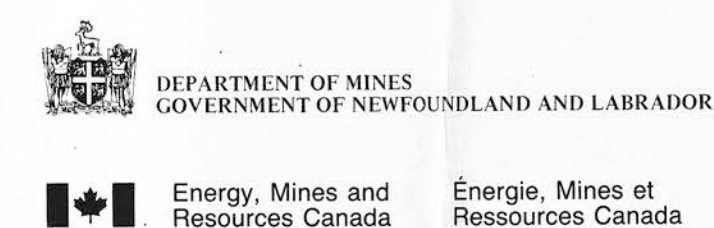
- Geological boundary
- Fault
- No analytical results
- Field duplicate sample sites

This legend was modified from, and the geology base derived for these geochronological maps from Geology Map of Labrador, Mineral Resources Division, Department of Mines, Agriculture and Resources, Province of Newfoundland and Labrador, 1970, 1:1,000,000 scale.



Contribution to Canada-Newfoundland Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 101-87
CANADA - NEWFOUNDLAND
MINERAL DEVELOPMENT AGREEMENT (1984-1989)
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
CENTRAL LABRADOR, 1988, 1983, 1978, 1977
Scale 1:500 000 - Echelle 1:500 000

Elevation in feet above mean sea level

Mean magnetic declination 1988, 29° 42' West, decreasing 9.2' annually. Readings vary from 28° 24' in the SW corner to 31° 0' in the NE corner of the map area.

Geological Survey of Canada
Mineral Resources Division
Exploration Geochemistry Subdivision

CONTRACTORS

Lake sediment sample collection by Marshall, Macklin, Monaghan Limited, Toronto
Sample preparation by Golder Associates, Ottawa
Sediment chemical re-analysis by Bondar-Clegg and Company Ltd., Ottawa (1987)
Original sediment analyses by Chemex Labs Limited, Vancouver (1983, 1978, 1977)
Water analyses by Barringer Magnesia Limited, Toronto (1977, 1978) and
Acme Analytical Laboratories Ltd., Toronto (1983)
Geological base compiled by Geological Survey of Canada

Copies of the Open File map material, element trend and symbol plots, listing of field observations, analytical data, descriptions of analytical methods, and digital data on IBM-PC compatible diskette are available by inquiring to:

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ION	FREQUENCY
67	N = 26(1.9%)
12	N = 30(2.2%)
8	N = 68(5.0%)
5	N = 181(13.3%)
<2	N = 1059(77.6%)

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