

Note: This legend is common for National Geochemical Reconnaissance Map 54-1982, Open File 901; Map 55-1982, Open File 902; Map 56-1982, Open File 903; Map 57-1982, Open File 904.

- SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS
- HADRYNIAN AND/OR NEOHELIKIAN
34 [HDHL]*, (ARKS)** Red conglomerate, arkose, and siltstone.
- GRENVILLE PROVINCE
- HELIKIAN AND EARLIER (?)
33 [HUGP] Paragneisses, granitoid gneisses of probable sedimentary origin, minor quartzite and marble. . .
- APHEBIAN
32 [APHG] Dolomite, marble, quartzite, iron formation, parascist and paragneiss. . .
31 [HUGN] Sillimanite gneiss, commonly migmatitic. Minor amphibolite.
30 [HUGG] Granitic gneiss, mainly pink quartzo-feldspathic gneisses, commonly banded and migmatitic. . .
29 [AGWF] Iron formation: WABUSH FORMATION
28 [HUGB] Intermediate to basic gneiss, amphibolite.
27 [HUGA] Garnetiferous gabbroic gneiss.
- APHEBIAN AND EARLIER (?)
26 [AUGP], (GRNG) Metasedimentary granitoid gneisses, minor amphibolite, sillimanite gneiss, metaquartzite, marble. . .
25 [AUGN] Sillimanite gneiss, with abundant intrusive pegmatitic material, minor amphibolite.
24 [AUGR] Granulitic, dioritic to granodioritic gneiss.
23 [AUGB] Amphibolite, pyroxene amphibolite, chlorite schist, garnet- and biotite-rich gneisses.
22 [AUGS] Marble.
- ARCHAIC
21 [ARCG] Granitic gneiss, amphibolite, unseparated massive acidic intrusives.
- SUPERIOR PROVINCE
- ARCHAIC
20 [ARCS], (PXGL) Pyroxene granulite, unseparated acidic intrusives: ASHUANIPI COMPLEX.
- CHURCHILL PROVINCE
- HELIKIAN
19 [NHWS] Quartzite, conglomerate, arkose, shale. . .
- PALEOHELIKIAN
18 [PHWS], (QRTZ) Quartzite, grit and conglomerate of SIMS FORMATION.
- PALEOHELIKIAN AND/OR APHEBIAN
17 [PHAW] Greywacke, quartzite, arkose, slate, phyllite, basic to intermediate volcanic rocks, derived schists and gneisses. . .
- APHEBIAN
16 [VW2], (BSLT) Basaltic flows and pyroclastics, quartzite, greywacke, slate. . . (basic volcanic rocks).
15 [APW1], [VAPW], [UAPW], (SMRK) Grit, arkose, conglomerate, quartzite, greywacke, slate, acidic to basic volcanics. . .
14 [AW1S], (SLTE) Ferruginous slate and iron formation RUTH and COKOMAN FORMATIONS OF KNOB LAKE GROUP.
- APHEBIAN AND EARLIER (?)
13 [AUNR], (GRNL) Granulite, pyroxene gneiss, charnockite; minor granitic gneiss, mylonitic gneiss. . .
12 [AUNG], (GRNG) Granitic gneiss, granodioritic gneiss, migmatite, agmatite, amphibolite. . .
11 [AUNB], (AMPB) Amphibolite, pyroxene amphibolite, chlorite schist, garnet- and biotite-rich gneiss.

- INTRUSIVE ROCKS
- CAMBRIAN AND EARLIER
10 [CM18] Diabase dykes, radiometric ages range from Cambrian to Archean.
- HELIKIAN
NEOHELIKIAN
9 [NH17] Diabasic olivine gabbro, intermediate and ultramafic intrusive rocks. . .
- NEOHELIKIAN AND EARLIER (?)
8 [NH15] Granite to granodiorite, massive to poorly foliated, porphyritic in part. . .
- PALEOHELIKIAN
7 [PH14], (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite, syenite. . .
6 [PH13], (QZMZ) Adameellite suite: adameellite, monzonite, agenite, granodiorite, granite and their hyperthene. . .
5 [PH11], (ANRS) Anorthosite suite: anorthosite, anorthositic gabbro, leucotroctolite. . .
4 [PH10], (UMFC) Gabbro, norite, anorthositic gabbro, troctolite, diorite, derived basic gneisses and amphibolite. . .
- APHEBIAN
3 [APGW], (GBBR) Gabbro-WAKUACH GABBRO-Gabbro, metagabbro, glomeroporphyritic gabbro and diorite. . .
- ARCHAIC
2 [AR2C] Massive granite and quartz monzonite.
1 [AR1C], (PXGD) Massive to poorly foliated pyroxene-bearing granodiorite and syenodiorite.

* A four letter mnemonic name recorded as rock type as part of 1982 field observations.
** A four letter mnemonic name recorded as rock type as part of 1978 field observations.

Geological boundary
Fault
Mainly acidic volcanic rocks
Mainly basic volcanic rocks
No analytical result

This legend was modified and the geology derived for this geochemical map from Geology Map of Labrador, Mineral Resources Division, Department of Mines, Agriculture and Resources, Province of Newfoundland and Labrador.

Geological Survey of Canada
Resource Geophysics and Geochemistry Division
and
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Mineral Development Division

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Sample preparation by Golder Associates

1978 samples
Uranium in sediment chemical analyses by Atomic Energy of Canada Ltd.
Other sediment chemical analyses by Chemex Labs Ltd.
Water chemical analyses by Barringer Research Ltd.

1982 samples
Sediment chemical analyses by Chemex Labs Ltd.
Water chemical analyses by Acme Analytical Laboratories Ltd.

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Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

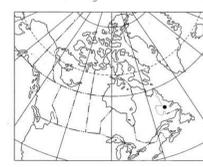
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IRON (%)
OPEN FILE 901
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 54-1982
CANADA-NEWFOUNDLAND
co-operative mineral program 1982-1984
WEST LABRADOR 1982
Scale 1:250 000 Échelle

Base-map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1965



Elevation in feet above mean sea level

Magnetic declination 1983 varies from 27°55.8' westerly at centre of west edge to 28°39.6' westerly at centre of east edge. Mean annual change -12.25' westerly

Universal Transverse Mercator Projection
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