



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

ADIRYAN AND/OR NEOHELIXIAN
[34] [HDHL]*, (ARKS)** Red conglomerate, arkose, and siltstone.

GRENVILLE PROVINCE

HELIXIAN AND EARLIER (?)
[33] [HUGP] Paragneisses, granitoid gneisses of probable sedimentary origin, minor quartzite and marble. . .

APHEBIAN
[32] [APGH] Dolomite, marble, quartzite, iron formation, parashist and paragneiss. . .

[31] [HUGN] Sillimanite gneiss, commonly migmatitic. Minor amphibolite.

[30] [HUGG] Granitic gneiss, mainly pink quartz-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.

ARCHEAN
[21] [ARCG] Granitic gneiss, amphibolite, unseparated massive acidic intrusives.

SUPERIOR PROVINCE
[20] [ARCS], (PXGL) Pyroxene granulite, unseparated acidic intrusives: ASHUANIPI COMPLEX.

CHURCHILL PROVINCE

HELIXIAN
NEOHELIXIAN
[19] [NHWS] Quartzite, conglomerate, arkose, shale. . .

PALEOHELIXIAN
[18] [PHWS], (QRTZ) Quartzite, grit and conglomerate of SIMS FORMATION.

PALEOHELIXIAN AND/OR APHEBIAN
[17] [PHAW] Greywacke, quartzite, arkose, slate, phyllite, basic to intermediate volcanic rocks, derived schists and gneisses. . .

APHEBIAN
[16] [VANW], (BSLT) Basaltic flows and pyroclastics, quartzite, greywacke, slate. . . (basic volcanic rocks).

[15] [APW], [VAPW], [UAPW], (SMRK) Grit, arkose, conglomerate, quartzite, greywacke, slate, acidic to basic volcanics. . .

[14] [AWIS], (SLTE) Ferruginous slate and iron formation RUTH and COKOMAN FORMATIONS OF KNOB LAKE GROUP.

APHEBIAN AND EARLIER (?)
[13] [AUGR], (GRNL) Granulite, pyroxene gneiss, charnockite; minor granitic gneiss, mylonitic gneiss. . .

[12] [AUNG], (GRNG) Granitic gneiss, granodioritic gneiss, migmatite, agmatite, amphibolite. . .

[11] [AUBW], (AMPB) Amphibolite, pyroxene amphibolite, chlorite schist, garnet- and biotite-rich gneiss.

LEGEND

INTRUSIVE ROCKS

CAMBRIAN AND EARLIER
[10] [CM18] Diabase dykes, radiometric ages range from Cambrian to Archean.

HELIXIAN
NEOHELIXIAN
[9] [NH17] Diabasic olivine gabbro, intermediate and ultramafic intrusive rocks. . .

NEOHELIXIAN AND EARLIER (?)
[8] [NH15] Granite to granodiorite, massive to poorly foliated, porphyritic in part. . .

PALEOHELIXIAN
[7] [PH14], (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite, syenite. . .

[6] [PH13], (QZMZ) Adamellite suite: adamellite, monzonite, agenite, granodiorite, granite and their hypersthene. . .

[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] [AP6W], (GBBR) Gabbro-WAKUACH GABBRO-Gabbro, metagabbro, glomeroporphyritic gabbro and diorite. . .

ARCHEAN
[2] [ARC2] Massive granite and quartz monzonite.

[1] [ARC1], (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.

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and
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CONTRACTORS
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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.

This map forms one of a series of 80 maps released by the Geological Survey of Canada, Open Files 901, 902, 903, 904. The Open Files consist of maps for 15 elements, each for lake sediments; 2 elements for lake water, and 1 each for sediment loss-on-ignition, water pH and sample site location.

