



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 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 [APHG] 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

ARCHEAN  
20 [ARCS], (PXQL) 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 [VAV2], (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 [AUWR], (NHL) Granulite, pyroxene gneiss, charnockite; minor granitic gneiss, mylonitic gneiss. . .

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

11 [AUWB], (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 ciorite, 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, anorthosite 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.

Geological Survey of Canada  
Resource Geophysics and Geochemistry Division  
and  
Newfoundland Department of Mines and Energy  
Mineral Development Division

CONTRACTORS  
Sample collection by Marshall Macklin Monaghan Ltd.  
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.

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.

URANIUM (ppm)  
OPEN FILE 901  
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 54-1982  
CANADA-NEWFOUNDLAND  
co-operative mineral program 1982-1984

WEST LABRADOR 1982

Scale 1:250 000 Echelle

Kilometres 0 6 12 18 Kilometres  
Universal Transverse Mercator Projection  
Projection transversale universelle de Mercator  
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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

