Department of Energy, Mines and Resources Geological Survey of Canada

ph in water OPEN FILE 997

LEGEND

Note: This legend is common for Regional Geochemical Reconnaissance Map 60-1983, Open File 995; 61-1983, Open File 996; 62-1983, Open File 997; 63-1983, Open File 998.

SEDIMENTARY, VOLCANIC AND METAMORPHIC ROCKS

28 HDDF* Red conglomerate, arkose, sandstone and shale: DOUBLE MER FORMATION GRENVILLE PROVINCE

HELIKIAN AND/OR APHEBIAN

HELIKIAN AND EARLIER(?)

HAGS, VHAG Metaquartzite, schistose grit and conglomerate, sheared felsic

26 HAGP Mainly garnetiferous biotite-quartz-feldspar paragneiss ...

HUGP Paragneisses, granitoid gneisses of probable sedimentary origin, minor quartzite and marble ...

24 HUGN Sillimanite gneiss, commonly migmatitic. Minor amphibolite

HUGG Granitic gneiss, mainly pink quartzo-feldspathic gneisses, commonly banded and migmatitic ...

22 HUGB Intermediate to basic gneiss, amphibolite

ARCHEAN

21 ARCG Granitic gneiss, amphibolite, unseparated massive acidic intrusives

CHURCHILL PROVINCE

HELIKIAN NEOHELIKIAN

NHWS, VNHW, NHWK, (SMRK)** Quartzite, conglomerate, arkose, shale ...:
NHWS - unseparated BESSIE LAKE ... FORMATION; NHWK - SHIPISKAN FORMATION (possibly younger)

PALEOHELIKIAN

19 UPHW Quartzite, grit conglomerate, acidic volcanics ... LETITIA GROUP

PHAW, PAWP Greywacke, quartzite, arkose, slate, ...: PAWP - PETSCAPISKAN

APHEBIAN AND EARLIER(?)

AUWR, (GRNL) Granulite, pyroxene gneiss, charnockite; minor granitic

AUWP, (PRGS) Paragneisses; includes biotite-quarțz-feldspar gneiss, garnet-biotite-quartz-feldspar gneiss ...

NAIN PROVINCE

PALEOHELIKIAN PHLE, UPHE Intermediate to acidic volcanics (mainly prophyritic flows),

feldspathic quartzite ... APHEBIAN

APE3 Conglomerate, quartzite, slate, silliceous dolomite, chert and arkose of MIDDLE CROTEAU GROUP

APE2, VAE2 Felspathic quartzite, conglomerate, argillite, basic volcanic rocks, and metamorphic equivalents of AILIK GROUP

APEl, VAEl, (SLTE) Slate, argillite, siltstone, quartzite, greywacke, dolomite and basalt of LOWER CROTEAU GROUP

ARCHEAN

AREV, (SCST) Mafic schistose rocks, greenstone, metasedimentary rocks, amphibolite, minor ultra-basic intrusions

AREG Granitic and granodioritic gneiss, migmatite, granulite. amphibolite ...

INTRUSIVE ROCKS

HELIKIAN

9 NH17 Diabasic olivine gabbro, intermediate and ultramafic intrusive

NEOHELIKIAN AND EARLIER(?)

8 NH16 Gabbro, norite, and diabase sills

NH15 Granite to granodiorite, massive to poorly foliated, porphyritic in part ...

PALEOHELIKIAN

6 PH14, (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite,

5 PH13, (QZMZ) Adamillite suite: adamellite, monzonite, syenite, granodiorite, granite ...

4 PH11, (ANRS) Anorthosite suite: anorthosite, anorthositic gabbro, leucotroctolite ...

3 PH10, (UMFC) Gabbro, norite, anorthositic gabbro, troctalite, diorite ...

APHEBIAN

2 APH7, (GRNT) Granite, quartz monzonite, granodiorite, quartz diorite ... 1 APH5 Well foliated foldspar-quartz-hornblende-biotite granitic gneiss ...

* A four letter mnemonic name recorded as rock type as part of 1982 and 1983 field observations

** A four letter mnemonic name recorded as rock types as part of 1978 field

Geological boundary.....

Mainly acidic volcanic rocks.....

Mainly basic volcanic rocks.....

Agriculture and Resources, Province of Newfoundland and Labrador

This legend was modified and the geology derived for these geochemical maps from Geology Map of Labrador, Mineral Resources Division, Department of Mines,

This map has been reprinted from a scanned version of the original map

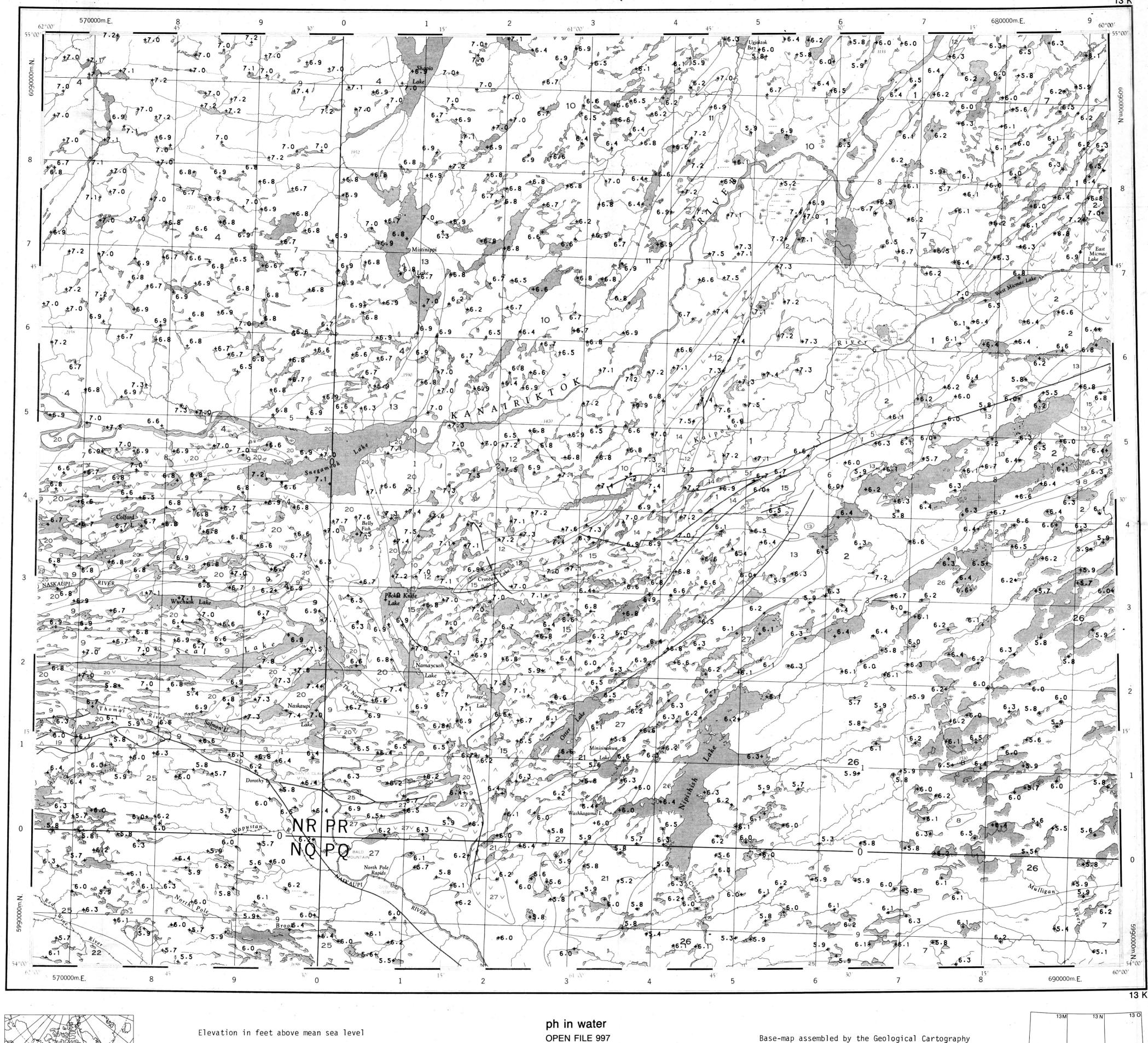
Reproduction par numérisation d'une

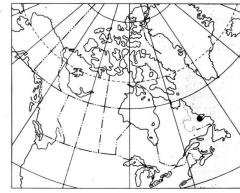
carte sur papier

O.F. 998 C.R.G.R. 63-1983 R.G.R. 62-1983

SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

ph in water **OPEN FILE 997** CENTRAL AND SOUTHERN LABRADOR





Government of Newfoundland and Labrador

Newfoundland Department of Mines and Energy

Provincial Open File 13K (161)

Geological Survey of Canada

Resource Geophysics and Geochemistry Division

Newfoundland Department of Mines and Energy

CONTRACTORS

Sample collection by Marshall Macklin Monaghan Ltd.

Sample preparation by Golder Associates

1978 samples Uranium in sediment analyses Atomic Energy of Canada Ltd.

Other sediment chemical analyses by Chemex Labs Ltd. Water chemical analyses by Barringer Research Ltd.

1982, 1983 samples

Sediment chemical analysis by Chemex Lab Ltd. Water chemical analyses by Acme Analytical Laboratories Ltd.

This map forms one of a series of maps released by the Geological Survey of Canada, Open Files 995 to 998. These Open File consists of maps of

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

> K.G. Campbell Corporation 880 Wellington St.

Bay 238

Ottawa, Ontario

K1R 6K7

That data are also available in digital form. For further information

The Director Computer Science Center

Department of Energy, Mines and Resources

Ottawa, Ontario K1A OE4

various geochemical variables: 16 for lake sediment, 3 for lake water

and I sample site location

expense by application to:

please contact:

Mean magnetic declination 1984, 29022.2' West, decreasing 13.7' annually. Readings vary from $29^{\circ}11.0'$ in the SE corner to $29^{\circ}49.6'$ in the NW corner of the map-area

OPEN FILE 997

REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 62-1983 CANADA - NEWFOUNDLAND

CO-OPERATIVE MINERAL PROGRAM 1982-84 LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY CENTRAL AND SOUTHERN LABRADOR, 1983

Scale 1:250 000

Unit from maps published at the same scale by

the Surveys and Mapping Branch in 1967,

·1968, 1972

Universal Transverse Mercator Projection © Crown Copyrights reserved