Canada
Department of Energy, Mines and Resources
Geological Survey of Canada

Parts of 106 D, E and 116 A, H

LEGEND

Note: This legend is common to National Geochemical Reconnaissance Map 14-1976, Open File 416; Map 15-1976, Open File 419 and Map 16-1976, Open File 420.

CENOZOIC
QUATERNARY
- 20 Unconsolidated glacial and alluvial deposits

MESOZOIC
CRETACEOUS
- 13 Sandstone, shale and conglomerate. 13a, BONNET PLUME FORMATION: sandstone, shale and coal; 13b, BONNET PLUME FORMATION: conglomerate, sandstone, shale and coal; 13c, EAGLE PLAINS FORMATION: shale and siltstone
- 15 Hornblende and hornblende-biotite syenite, commonly porphyritic and uneven textured; minor diorite
- 16 Diorite and gabbro
- 17 Mottled green and maroon shale and brown siltstone
- 18 KING HILL QUARTZITE: massive quartzite; minor slate and phyllite

JURASSIC
- 19 LOWER SOVIET division: argillite, slate, phyllite and minor quartzite; 19a, sandstone and shale

TRIASSIC
- 19 SHERLOCK FORMATION: limestone and shale; unnamed clastics and carbonates

PERMIAN
- 19 TAKHANNIE FORMATION: grey chert and limestone; 19a, ORDELL CREEK FORMATION: sandstone, shale, carbonates and clastics; undivided

CARBONIFEROUS TO PERMIAN
- 14 KTTHLEN FORMATION: shale and limestone; HART RIVER FORMATION: shale, chert, chert-pebble conglomerate, limestone and sandstone; 14a, TANTALUS: black shale, chert, chert-pebble conglomerate, argillaceous limestone, sandstone and slate
- 15 CAY KAYAK FORMATION: shale; unnamed conglomerate

DEVONIAN
MIDDLE DEVONIAN TO CARBONIFEROUS
- 17 CANOL FORMATION: black shale; HAYTON RIVER FORMATION: chert-pebble conglomerate and chert-arenite sandstone; shale; argillite; 17a, limestone and minor chert-pebble conglomerate and sandstone

LOWER TO MIDDLE DEVONIAN
- 11 ROSILIE FORMATION: limestone; CRANDELLIE FORMATION: limestone; BEAVERTAIL FORMATION: limestone and shale; unnamed limestone, dolomite and interbedded black chert

ORDOVICIAN AND SILURIAN
- 10 ROAD RIVER FORMATION: shale, limestone, black chert and argillite; minor quartzite and chert-pebble conglomerate

ORDOVICIAN
- 9 Dolomite and limestone; argillaceous limestone and dolomite; dark volcanic rocks

CAMBRIAN
- 8 1 Limestone and dolomite, minor red shale, unnamed clastics; 8a, massive sandstone, conglomerate, shale and local andesitic and basaltic flows; 8b, ROSS RIVER: limestone; unnamed dolomite and limestone

PRECAMBRIAN INDIVIDUAL LATER
- 7 Dark green volcanic rocks, breccia, tuff, agglomerate, shale, dark siltstone and limestone
- 6 Quartzite, sandstone, quartz-pebble conglomerate, maroon and green phyllite, quartz-sericite schist, quartz-mica schist, phyllite, limestone and black chert

PROTEROZOIC
HADRYNIAN
- 5 Unnamed carbonates and clastics

HELIKIAN
- 4 MARTIN GROUP: mudstone, limestone, iron formation and dolomite

HELIKIAN
- 3 KATHERINE FORMATION: sandstone and dolomite; TSICHTSU FORMATION: sandstone and dolomite; unnamed carbonates, shale and quartzite
- 3 Orange dolomite, slate, phyllite, grey dolomite, grey and maroon shale, quartzite, quartz-pebble conglomerate, limestone, black shale, argillite and siltstone

HELIKIAN AND (?) APHEBIAN
- 1 Red shale, slate, phyllite quartzite, dolomite, conglomerate and siltstone; limestone

Drift-covered areas.....
Geological contact.....
Fault.....

Geology generalized for geochemical maps by W.D. Goodfellow from Nash Creek (106D) and Larson Creek (116A) by L.H. Green (G.S.C. Mem. 366, 1972); and Wind River (106C) and Hart River (116D) by D.K. Norris (G.S.C. Open File 279, 1975)

Geological cartography by the Geological Survey of Canada

Base-map assembled by the Geological Survey of Canada from maps published at the same scale by the Surveys and Mapping Branch in 1964, 1973

Mean magnetic declination 1977, 34°32.7' East, decreasing 2.3' annually. Readings vary from 34°25.8' in the SE corner to 34°38.4' in the NW corner of the map-area

Elevations in feet above mean sea-level

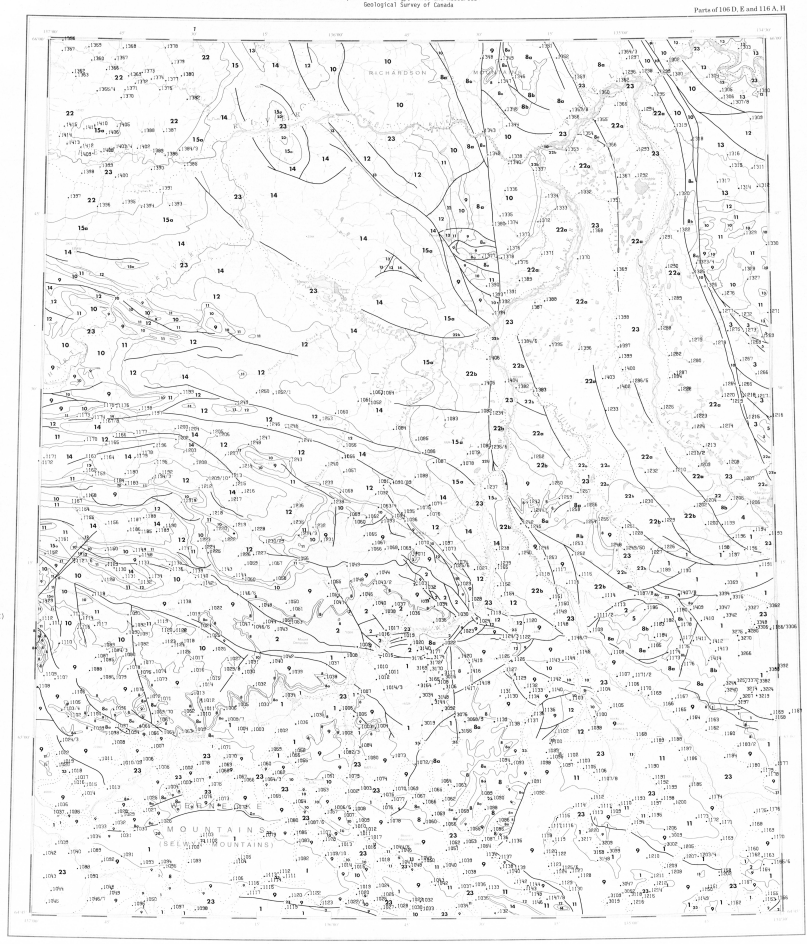
Geological Survey of Canada, Ottawa

Planning and coordination by staff of the Geochemistry Section, Resource Geophysics and Geochemistry Division, and of the Cordilleran Subdivision, Regional and Economic Geology Division.
Field operations supervised by N.G. Lund and W.D. Goodfellow
Analytical contract supervision by A.J. Lynch
Data monitoring and compilation by R.G. Garrett, N.G. Lund and D.J. Ellwood.

This map forms one of a series of 45 sheets released under Geological Survey of Canada, Open Files 418, 419, 420. The Open Files consists of data for 12 elements each for stream sediments, percent loss on ignition, 2 elements for stream waters and sample site location

The data are also available in digital form. For further information please contact:

The Director,
Computer Science Centre,
Department of Energy, Mines and Resources,
Ottawa, Ontario K1A 0E8



NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 15-1976
SAMPLE LOCATIONS
URANIUM RECONNAISSANCE PROGRAM
Scale 1:250,000
Kilometres 5 0 5 10 15 Kilometres
Miles 4 0 4 8 Miles
Universal Transverse Mercator Projection
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NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 15-1976
OPEN FILE 419
NORTHERN YUKON TERRITORY, 1976
SAMPLE LOCATIONS