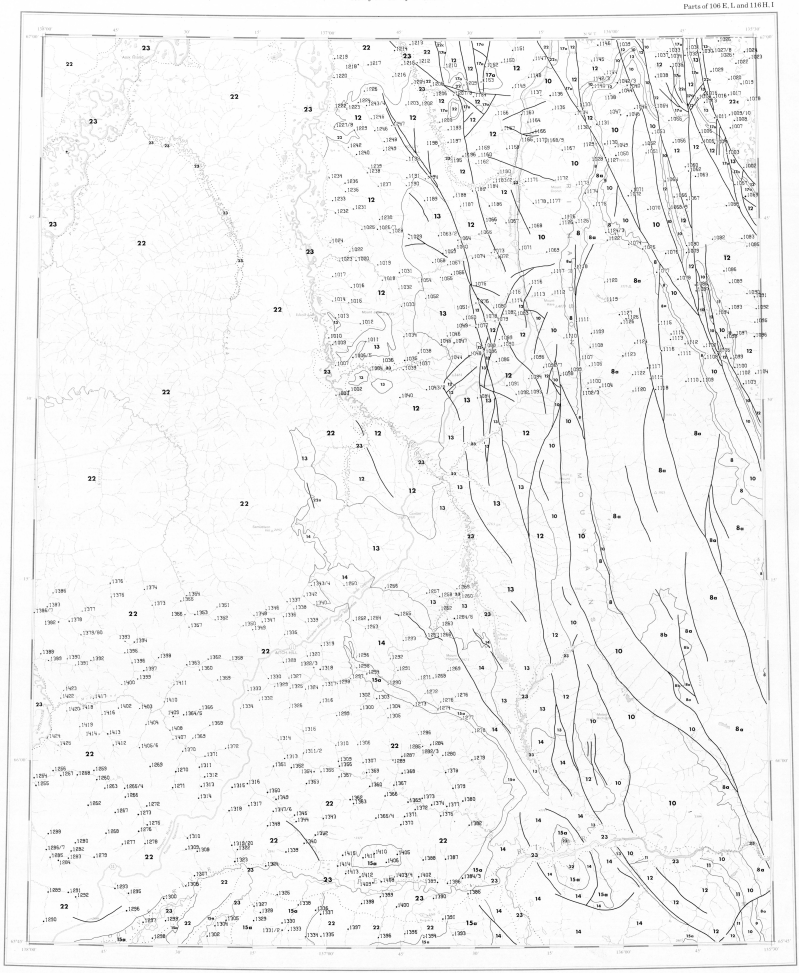
Canada
Department of Energy, Mines and Resources
Geological Survey of Canada

Parts of 106 E, L and 116 H, I



LEGEND

Note: This legend is common to National Geochemical Reconnaissance Map 14-1974, Open File 418; Map 15-1976, Open File 419 and Map 16-1976, Open File 420

CENOZOIC

QUATERNARY

23	Unconsolidated glacial and alluvial deposits

MESOZOIC

CRETACEOUS

22	BONNET PLUME FORMATION: sandstone, shale and conglomerate; 22a, BONNET PLUME FORMATION: conglomerate and sandstone; 22c, ROTIC RED FORMATION: shale and siltstone
21	Porphyritic and hornblende-biotite quartz, commonly porphyritic and aphanitic textured; minor diorite
20	Diorite and gabbro
19	Mottled green and maroon shale and brown siltstone
18	HEMS HILL QUARTZITE: massive quartzite; minor slate and phyllite

JURASSIC

17	LOWER SCHIST division: argillite, slate, phyllite and minor quartzite; 17a, sandstone and shale

TRIASSIC

16	JOSIBLIX FORMATION: limestone and shale; unnamed clastics and carbonates

PERMIAN

15	TANGANDIC FORMATION: grey chert and limestone; 15a, JUNGLE CREEK FORMATION: sandstone, shale, carbonates and clastics; undivided formation

CARBONIFEROUS TO PERMIAN

14	CITRAN FORMATION: shale and limestone; HART RIVER FORMATION: shale, siltstone and limestone; Sikanne Group undivided: 14a, limestone, black shale, chert, chert-pebble conglomerate, argillaceous, quartzose sandstone and shale
13	CRY LAKE FORMATION: shale; unnamed conglomerate

DEVONIAN

MIDDLE DEVONIAN TO CARBONIFEROUS

12	BEAVER FORMATION: black shale; NATION RIVER FORMATION: chert-pebble conglomerate and chert-grain sandstone, shale, argillite, slate, limestone and minor chert-pebble conglomerate and quartzite

LOWER TO MIDDLE DEVONIAN

11	MIDDLE RIVER FORMATION: limestone; CARBASKIN FORMATION: limestone; MIDDLE 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
9	Dolomite and limestone; argillaceous limestone and dolomite; dolomite and limestone

CAMBRIAN

8	limestone and dolomite; minor red shale; unnamed clastics; 8a, limestone, dolomite, argillaceous shale and basal andesitic and basaltic flows and siltstone; 8b, JONES RIDGE limestone; unnamed dolomite and limestone

PRECAMBRIAN AMOUR LATER

7	Dark green volcanic rocks, breccia, tuff, agglomerate, shale, chert, siltstone and limestone
6	Quartzite, sandstone, quartz-pebble conglomerate, maroon and green shales, chlorite schist, quartz-mica schist, phyllite, limestone and black chert

AGE UNKNOWN

5	Unnamed carbonates and clastics
4	HAPITAN GROUP: mudstone, limestone, iron formation and dolomite

PROTEROZOIC

MELICKON

3	KATHERINE FORMATION: sandstone and dolomite; TSEZOTENE FORMATION: sandstone and dolomite; unnamed carbonates, shale and gypsum
2	Orange dolomite, slate, phyllite, grey dolomite, grey and maroon shale, quartzite, conglomerate, limestone, black shale, argillite and siltstone

MELICKON AND (?) AMUDEAN

1	Argillite, slate, phyllite quartzite, dolomite, conglomerate and silicated limestone

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

Geology generalized for geochemical maps by W.R. Goodfellow from Vind River (106E) and Hart River (116H) by D.K. Norris (G.S.C. Open File 279, 1975); and Eagle River (116I) manuscript unpublished map by D.K. Norris

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, 1969

Mean magnetic declination 1977, 35°03.2' East, decreasing 2.4' annually. Readings vary from 35°36.6' in the SE corner to 35°31.5' in the NW corner of the map-area

Elevations in feet above mean sea-level

Geological Survey of Canada, Ottawa

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Analytical contract supervision by J.J. Lynch
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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:

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NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 16-1976
SAMPLE LOCATIONS
URANIUM RECONNAISSANCE PROGRAM

Scale 1:250,000

Kilometres 0 8 16 32 48 Kilometres
Miles 0 4 8 16 24 Miles

Universal Transverse Mercator Projection

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NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 16-1976
OPEN FILE 420
NORTHERN YUKON TERRITORY, 1976
SAMPLE LOCATIONS