

FLUORINE in water (ppb)
OPEN FILE 562
NORTHERN BRITISH COLUMBIA 1978

LEGEND

Note: This legend is common for National Geochemical Reconnaissance Map 41-1978, Open File 561 and Map 42-1978, Open File 562.

- QUATERNARY
- 12 (TILL 64)† Glacial, lacustrine, and fluviate gravel, sand, silt, clay
- QUATERNARY-TERTIARY
- 11 (TUFF 63) Tuff; 11a (BSLT 63) basalt; 11b (CGLM 56) conglomerate
- LATE CRETACEOUS-EARLY TERTIARY
- 10 (QZM 56) Quartz monzonite
- EARLY-MIDDLE CRETACEOUS
- 9 (QZM 52) Cassiar-Klinkit-Tuya-Parallel Creek Batholiths: Biotite-quartz monzonite; 9a (GRNT 53) Glundebery Batholith: microlitic hornblende granite, granite porphyry
- JURASSIC-CRETACEOUS
- 9b (QRZD 51) Charlie Cole Stock - Christmas Creek Batholith: hornblende-quartz diorite
- UPPER JURASSIC-MIDDLE JURASSIC
- 8 (QZM 48) Simpson Peak-Nome Lake Batholith: biotite-hornblende-quartz diorite, hornblende-biotite granodiorite; 8a, (QRZD 48) Plate Creek Batholith: quartz diorite
- TRIASSIC-JURASSIC
- 7 (GRNS 46) Shonoketaw and Nazcha Formations: greenstone, augite porphyry, volcanic conglomerate, tuff; 7a (GRCK 48) feldspathic quartzite, greywacke
- PERMIAN-CARBONIFEROUS
- 6 Kedahda Formation: (CHRT 30) chert, argillite; 6a (LSMN 30) limestone; 6b (GRNS 30) greenstone
- CARBONIFEROUS
- 5 (PLLT 30) Oblique Creek Formation: phyllitic meta-chert, phyllitic argillite, micaceous quartzites; 5a (GNSS 30) Big Salmon Complex: gneiss and mica schist, hornfels; 5b (GNSS 30) gneiss, schist
- UPPER DEVONIAN-MISSISSIPPIAN
- 4 (GRNS 29) Sylvester Group: greenstone (and undivided sediments); 4a (CHRT 29) Sylvester Group: chert, argillite, arenite; 4b (SRPN 29) serpentinite, dunite, peridotite
- LOWER ORDOVICIAN-SILURIAN-MIDDLE DEVONIAN
- 3 (DLMT 25) McDame-Sandpile Groups: dolomite, sandy dolomite; 3a (AGCL 14) Kechika Group: argillite; 3b (LSMN 14) limestone, calcareous phyllite
- UPPER PROTEROZOIC-CAMBRIAN
- 2 Atan-Good Hope Groups (LSMN 8) limestone, dolomite; 2a (QRTZ 11) quartzite
- UPPER PROTEROZOIC
- 1 (QRTZ 7) Horseranch Group: quartzite, granite gneiss, augen gneiss

†A four letter mnemonic name recorded as rock type and two digit number recorded as age as part of field observations

- Geological boundary.....
- Fault.....
- No analytical result.....
- Lake sample site.....
- Stream sample site.....

This legend was modified and the geology derived for this geochemical map from Geological Survey of Canada, Maps 18-1968 and 1110 A.

Geological Survey of Canada
Resource Geophysics and Geochemistry Division
and
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

CONTRACTORS

Sample collection by BEMA Ltd.
Sample preparation by Golder Associates
Uranium in sediment chemical analyses by Atomic Energy of Canada Ltd.
Other sediment chemical analyses by Chemex Labs Ltd.
Water chemical analyses by Barringer Magenta Ltd.

This map forms one of a series of 28 maps released by the Geological Survey of Canada, Open File 561 and 562. The Open File consists of maps for 11 elements, each for stream/lake sediments, 1 element for stream/lake water and 1 each for sample site location and water pH.

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

K.G. Campbell Corporation
880 Wellington St.,
Bay 238
Ottawa, Ontario
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The data is also available in digital form. For further information please contact

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Elevation in feet above mean sea level

Mean magnetic declination 1978, 31°03.3' East, decreasing 3.7' annually. Readings vary from 30°39.6' in the SE corner to 31°25.8' in the NW corner of the map

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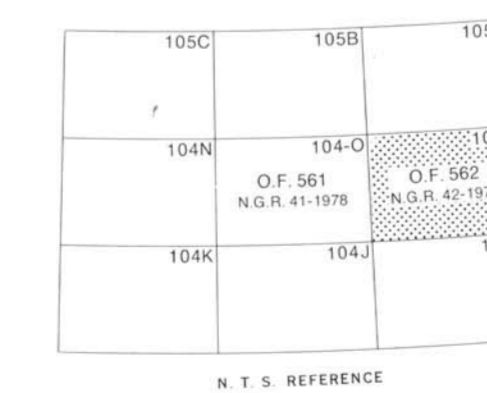
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 42-1978
URANIUM RECONNAISSANCE PROGRAM
STREAM/LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTHERN BRITISH COLUMBIA 1978

Scale 1:250,000

Kilometres 0 6 12 18
Miles 0 4 8

Universal Transverse Mercator Projection
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Base-map at the same scale published by the Mapping and Charting Establishment, Department of National Defence, 1950



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