

MANGANESE (ppm)  
 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 salt, 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: miarolitic hornblende granite, granite porphyry
- JURASSIC-CRETACEOUS  
 9b (QRZ 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, (QRZ 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 (LMSN 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 (LMSN 14) limestone, calcareous phyllite
- UPPER PROTEROZOIC-CAMBRIAN  
 2 Atan-Good Hope Groups (LMSN 8) limestone, dolomite; 2a (QRTZ 11) quartzite
- UPPER PROTEROZOIC  
 1 (QRTZ 7) Horseshoe 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.

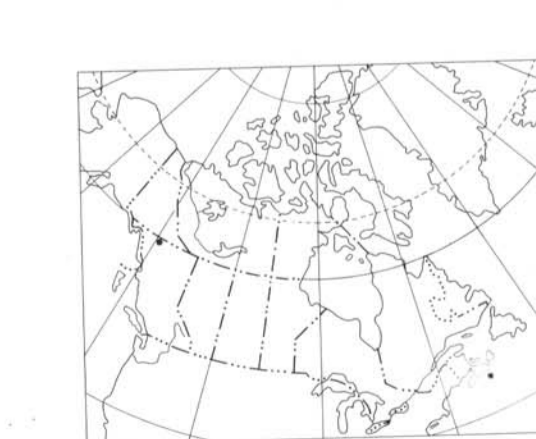
This map forms one of a series of 28 maps released by the Geological Survey of Canada, Open File 561 and 562. The Open File consists of maps for 11 elements, each for stream/lake sediments, 1 element for stream/lake water and 1 each for sample site location and water pH.

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:

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 880 Wellington St.,  
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The data is also available in digital form. For further information please contact

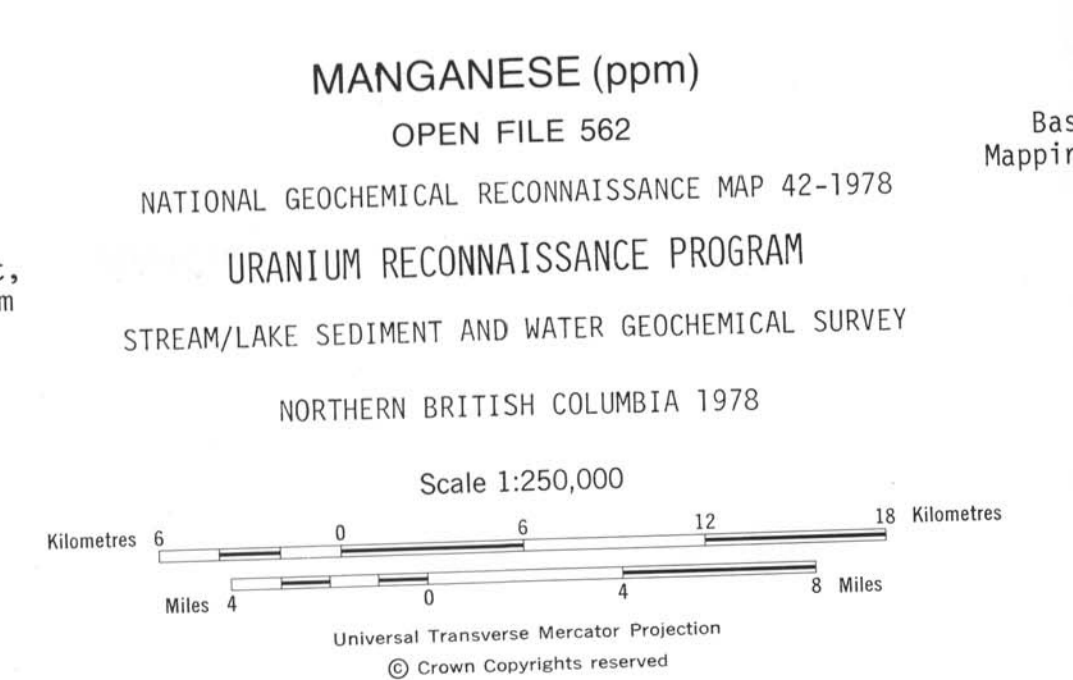
The Director  
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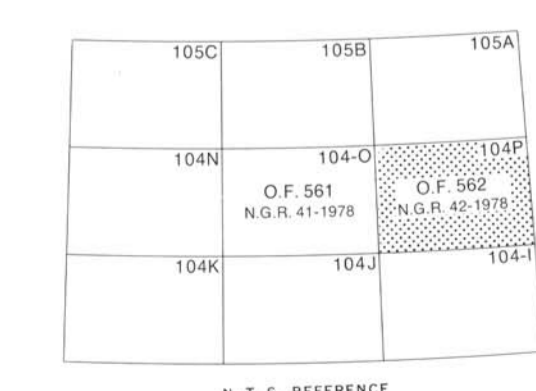
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 OPEN FILE 562  
 NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 42-1978  
 URANIUM RECONNAISSANCE PROGRAM  
 STREAM/LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY  
 NORTHERN BRITISH COLUMBIA 1978

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



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



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