

LEGEND

QUATERNARY

15 Glacial, fluvial and lacustrine deposits (Qf, Qff, Ql, Qm); marine and estuarine deposits (Qe); 15a, pediment surfaces with thin cover of colluvium and/or organic deposits (Qs).

TERTIARY

14 Melander Formation, Alak Member: clastics and coal (T4); 14a, Moose Channel Formation: sandstone and mudstone (Tm1, Tm2, Tm3).

CRETACEOUS

13a, Tent Island Formation (Kti) and Cuesta Creek Member: clastics (Kc); 13b, Boundary Creek Formation: shale (Bc); 13c, unnamed shale, sandstone and phosphatic iron formation (Pir); 13d, unnamed conglomerates (Kcr); 13e, sandstone (Kus); 13f, shale and siltstone (Kush); 13g, white and coaly quartzite (Kq, Kq1, Kq2, Kq3); 13h, bluish grey shale (Kbs); 13i, sandstone (Kts).

JURASSIC AND CRETACEOUS

12 Husky Formation: shale (Kh); 12a, Kings Formation: shale (Kk); 12b, undivided clastics (Kj).

JURASSIC

11 Unnamed sandstone (Jp); 11a, Bug Creek Formation: sandstone (Jbc, Jbc1, Jbc2, Jbc3).

TRIASSIC

10 Shublik Formation: limestone and siltstone (Trs).

PERMIAN

9b, undivided clastics and carbonates (P, P0, P1, P2, P3); 9c, Sadlerochit Formation: undivided clastics (Ps, Pso).

CARBONIFEROUS

8a, Kayak Formation: clastics, limestone and coal (Kk); 8b, Kekituk Formation: conglomerate and sandstone (Ckk); 8g, Lisburne Group: undivided carbonates and clastics (Cl).

DEVONIAN

7b, Ogilvie Formation: limestone (Do); 7c, granite (Gs, Gf, Gam).

STURTIAN AND DEVONIAN

6 Orange and grey dolomite (Sd).

ORDOVICIAN AND SILURIAN

5 Vuntut Formation: limestone (C5v); 5a, unnamed shale and quartzite (Osh).

CAMBRIAN AND ORDOVICIAN

4 Road River Formation: shale and chert (Cdr).

MIDDLE AND UPPER CAMBRIAN

3a, unnamed volcanoclastics and limestone (Cms, Cmw).

LOWER CAMBRIAN

2a, unnamed limestones and bioherms (Cl).

HELIXIAN

1a, Neruokuk Formation: clastics and carbonates (En); 1b, Neruokuk Formation: phyllite and quartzite (Enq); 1c, Neruokuk Formation: limestone and phyllite (Enl); 1d, Neruokuk Formation: phyllite and quartzite (Enq); 1e, Neruokuk Formation: siltstone (Eni); 1f, Neruokuk Formation: phyllite and quartzite (Enq); 1g, Neruokuk Formation: phyllite (En); 1h, Neruokuk Formation: quartzite (Enq).

Geological boundary.....

Fault.....

No analytical result.....

This legend was modified and the geology derived for this geochemical map from Geological Survey of Canada, Open File 499

Geological Survey of Canada
Resource Geophysics and Geochemistry Division

CONTRACTORS

Sample collection by BEMA Ltd.
Sample preparation by Golden 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.

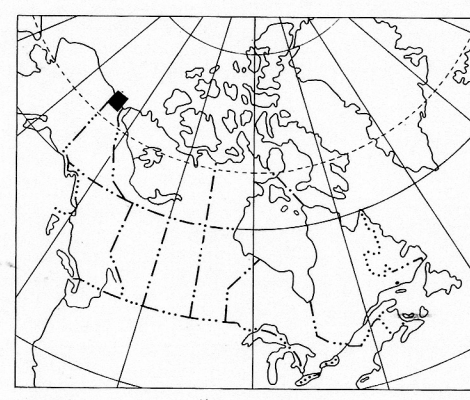
This map forms one of a series of 45 maps released by the Geological Survey of Canada, Open Files 563, 564 and 565. Each Open File consists of maps for 11 elements for stream sediments, 1 element for stream waters, and 1 each for sample site location and water pH.

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:

K.G. Campbell Corporation
880 Wellington St.,
Box 239
Ottawa, Ontario
K1R 6K7

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

The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1R 6E1

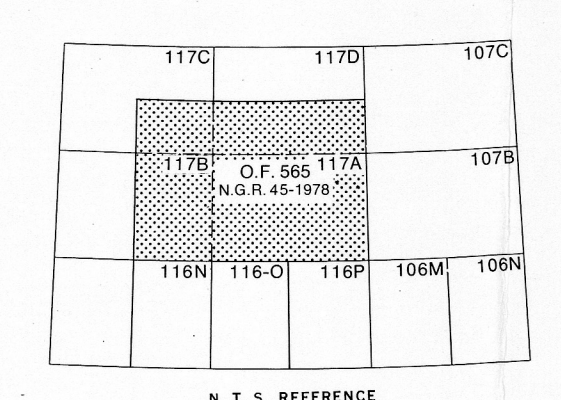
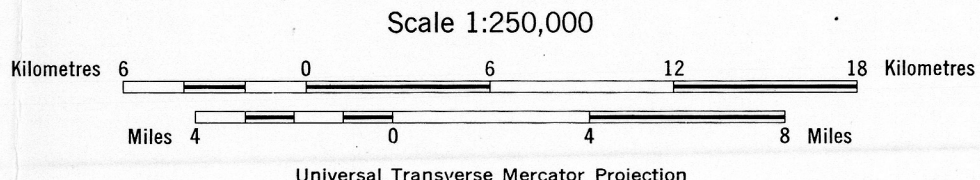


Elevation in feet above mean sea level

Mean magnetic declination 1978, 36°50.9' East, decreasing 1.7' annually. Readings vary from 37°54.2' in the SE corner to 25°46.6' in the NW corner of the map

NICKEL (ppm)
OPEN FILE 565
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 45-1978
URANIUM RECONNAISSANCE PROGRAM
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTHERN YUKON TERRITORY 1978
Scale 1:250,000

Map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1962, 1963, 1964



NICKEL (ppm)
OPEN FILE 565
NORTHERN YUKON TERRITORY 1978