

- LEGEND
- QUATERNARY  
15 Glacial, fluvial and lacustrine deposits (Qf, Qff, Ql, Qm);  
marine and estuarine deposits (Qn); 15a, pediment surfaces with  
thin cover of colluvium and/or organic deposits (B).
- TERTIARY  
14 Reindeer Formation, Aklak Member: clastics and coal (Tak); 14a,  
Moose Chamael Formations: sandstone and mudstone (TnCl, TnCc, TnCs).
- CRETACEOUS  
13a, Tent Island Formation (Kti) and Cuesta Creek Member: clastics  
(Kck); 13b, Boundary Creek Formation: shale (Kbc); 13c, unnamed shale,  
sandstone and phosphatic iron formation (Kbr); 13d, unnamed conglomerates  
(Kcr); 13e, sandstone (Kus); 13f, shale and siltstone (Ksh); 13g,  
white and coaly quartzite (Kq, Kq1, Kq2, Kq3); 13h, bluish grey shale  
(Kbs); 13i, sandstone (Kis).
- JURASSIC AND CRETACEOUS  
12 Husky Formation: shale (Kh); 12a, Kinak Formation: shale (Kk); 12b,  
undivided clastics (KJ).
- JURASSIC  
11 Unnamed sandstone (Jpo); 11a, Bug Creek Formation: sandstone (Jbc, Jbc1,  
Jbc2, Jbc3).
- TRIASSIC  
10 Shublik Formation: limestone and siltstone (Trs).
- PERMIAN  
9a, undivided clastics and carbonates (P, P0, P1, P2, P3); 9c, Sadlerochit  
Formation: undivided clastics (Ps, Pso).
- CARBONIFEROUS  
8a, Kakpak Formation: clastics, limestone and coal (Kk); 8c, Kakituk  
Formation: conglomerate and sandstone (ckk); 8g, Lisburne Group:  
undivided carbonates and clastics (Cl).
- DEVONIAN  
7a, Ogilvie Formation: limestone (Do); 7e, granite (Gs, Gf, Gam).
- SILURIAN AND DEVONIAN  
6 Orange and grey dolomite (Sds).
- ORDOVICIAN AND SILURIAN  
5a, Vunta Formation: limestone (5sv); 5a, unnamed shale and quartzite (5sh).
- CAMBRIAN AND ORDOVICIAN  
4a, Road River Formation: shale and chert (EDr).
- MIDDLE AND UPPER CAMBRIAN  
3a, unnamed volcanoclastics and limestone (6ms, 6mv).
- LOWER CAMBRIAN  
2a, unnamed limestones and bioherms (6l).
- HELIKIAN  
1a, Neruokupuk Formation: clastics and carbonates (6n); 1b, Neruokupuk  
Formation: phyllite and quartzite (6n1); 1c, Neruokupuk Formation:  
limestone and phyllite (6n2); 1d, Neruokupuk Formation: phyllite and  
quartzite (6n3); 1e, Neruokupuk Formation: siltstone (6n4); 1f, Neruokupuk  
Formation: phyllite and quartzite (6n5); 1g, Neruokupuk Formation:  
phyllite (6n6); 1h, Neruokupuk Formation: quartzite (6n7).

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  
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Other sediment chemical analyses by Chemex Labs Ltd.  
Water chemical analyses by Barringer Magenta Ltd.

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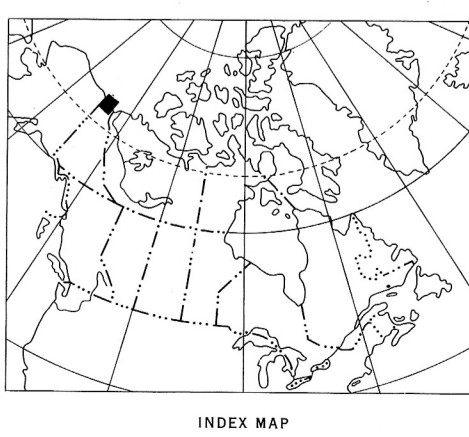
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Ottawa, Ontario  
K1R 6K7

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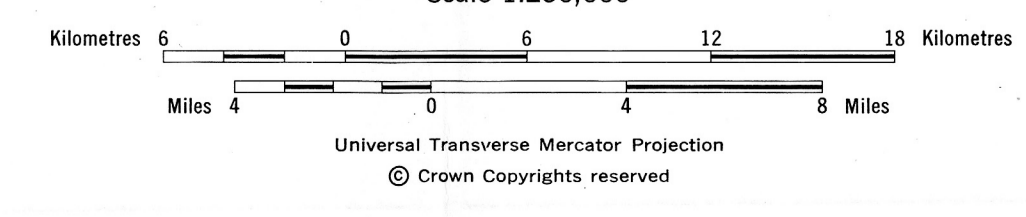
Elevation in feet above mean sea level

Mean magnetic declination 1978, 36°50.9' East,  
decreasing 1.7' annually. Readings vary from  
37°04.2' in the SE corner to 35°46.6' in  
the NW corner of the map

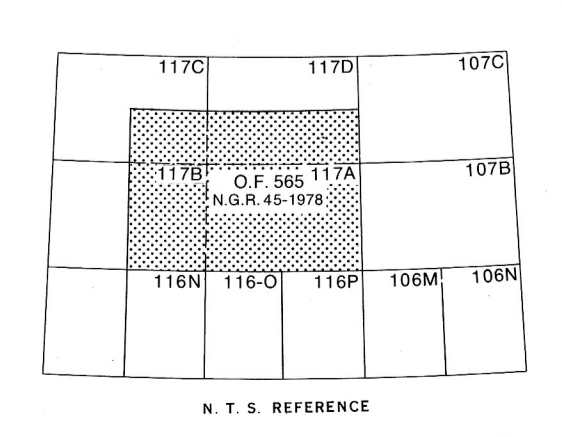
MANGANESE (ppm)  
OPEN FILE 565

NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 45-1978  
URANIUM RECONNAISSANCE PROGRAM  
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY  
NORTHERN YUKON TERRITORY 1978

Scale 1:250,000



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



MANGANESE (ppm)  
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NORTHERN YUKON TERRITORY 1978