

1:500,000  
Note: This legend is common to National Geoscientific Reconnaissance Map 12-1376, Open File 416, Map 12-1376, Open File 417

- PROTEROZOIC**
- HELVETIA (UPPER PROTEROZOIC)**  
20<sup>U</sup> Shale, sandstone and diastrophic gabbro dykes (E88B)
- MELIQUAN (MIDDLE PROTEROZOIC)**  
20<sup>M</sup> Gabbro  
31 Conglomerate, pebbly sandstone, some intercalated sandstone. In part, may be older than 20 or 31  
30 Mainly porphyritic (quartz and/or feldspar, biotite and/or grossone) gabbro, some coarse to fine grained, some with perthite. In part, probably older than 30 and 31  
29 Breccia, buff, agglomerate; minor sub-volcanic igneous rocks (D89F)  
28 Sandstone and pebbly sandstone, grey, argillaceous; siltstone and siltstone breccia, probably includes some diastrophic conglomerates (13 and/or 21) (D90G)
- GRENIAN (LOWER PROTEROZOIC)**  
19 Gneiss, calcic, amphibolite, and generally derived mainly from sedimentary and volcanic rocks of Archean and/or Lower Proterozoic (A96A) type, some igneous quartzite and gneissic complex with some gneissic material (E88S)  
18 Intermediate to basic volcanic rocks (granitoids) and derived amphibolite units and gneisses; in part includes some schistose gneissic (lower than belt); some phyllite, buff, agglomerate; siltstone-quartzite schist and gneiss from formation (O96B) (A96A); and (F96C) (A96A) gneiss. May be younger in part (A96A) (E88T)  
17 Shale and gabbro in gneissic and gneissic terranes (D89T)  
16 Basic syenites, diorites, gabbros (E88B)

Geological contact  
Mineral prospect

Geological cartography by the Geological Survey of Canada

Legend and geology for the geochronal map by R.D. Garrett, from map 12164 of S.C. Memo 500 by G.W. Wright

Summary of the new maps published by the Mapping and Charting Establishment, M.C.E., 1966

Mean magnetic declination 1977, 8905' East increasing 0.3' annually. Reading east from 0°30.0' in the 3d corner to 120°0' in the 2nd corner of the map area

Elevations in feet above mean sea-level

Geological Survey of Canada, Ottawa

Composited by F.R.X. Hornbrow  
Analytical chemistry by J.C. Lynch  
Cartical work by R.C. Goss, G.L. Lane and D.J. Elliott

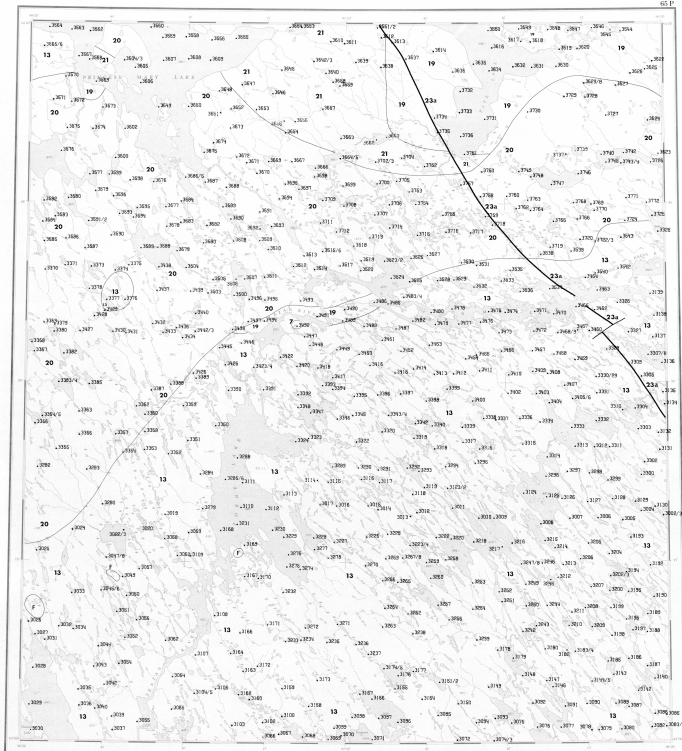
Contractors

Sample collection by Bragg, Moffatt & Associates Ltd.  
Sample preparation by Seltzer Associates  
Cartical work by Omeres Lantz Inc.

This map forms one of a series of 20 sheets released under Geological Survey of Canada, Open File 416 (1:500,000). The Open File consists of data, photographs and field notes, and is available for use, without charge, in late waters and sample title location.

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

The Director,  
Computer Science Centre,  
Department of Energy Mines and Resources,  
Ottawa, Ontario K1A 0E8



NATIONAL GEOSCIENTIFIC RECONNAISSANCE MAP 12-1376  
OPEN FILE 416  
SHEET 12-1376-1  
SAMPLE LOCATIONS



NATIONAL GEOSCIENTIFIC RECONNAISSANCE MAP 12-1376

SAMPLE LOCATIONS

ULANIUM RECONNAISSANCE PROGRAM

Scale 1:250,000



Kilometers 0 5 10 Miles

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GEOSCIENTIFIC RECONNAISSANCE  
LEGEND AND SYMBOLS  
LITHOLOGICAL SYMBOLS  
VANCOUVER, B.C. CANADA  
V8Z 1Y1



REFERENCE LINE ONLY  
Do not measure from this line

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