

0 20 40 60
KILOMETERS - SCALE 1:1000000

SURFICIAL GEOLOGY

Undivided surficial deposits.
Bedrock exposures; includes discontinuous veneer of undivided glacial drift.

SYMBOLS

Surficial deposit boundary
Drumlinoid form; direction of glacial movement inferred, not inferred

Sources of information:

- Dyke, A.S. (1982) Surficial Geology of Frances Lake, Yukon Territory and District of Mackenzie (105 H), Geological Survey of Canada, Open File 895, 1:125,000 scale.
- Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada, Map 1253A, 1:5,000,000 scale.
- Roots, E.F., Green, L.H., Roddick, J.A., and Blusson, S.L. (1966) Geology - Frances Lake, Yukon Territory and District of Mackenzie, Geological Survey of Canada, Map 6-1966, scale one inch to four miles.

Geological Survey of Canada
Mineral Resources Division
Exploration Geochemistry Subdivision

CONTRACTORS

Stream sediment sample collection by Monaghan Delph Miller Limited, Don Mills, Ontario
Sample preparation by Golder Associates, Ottawa
Sediment chemical analyses by Bondar-Clegg and Company Ltd., Ottawa
Water and Au chemical analysis by Chemex Labs Limited, Vancouver
Geological base prepared by Terra Surveys Ltd., Ottawa
from published material supplied by Geological Survey of Canada

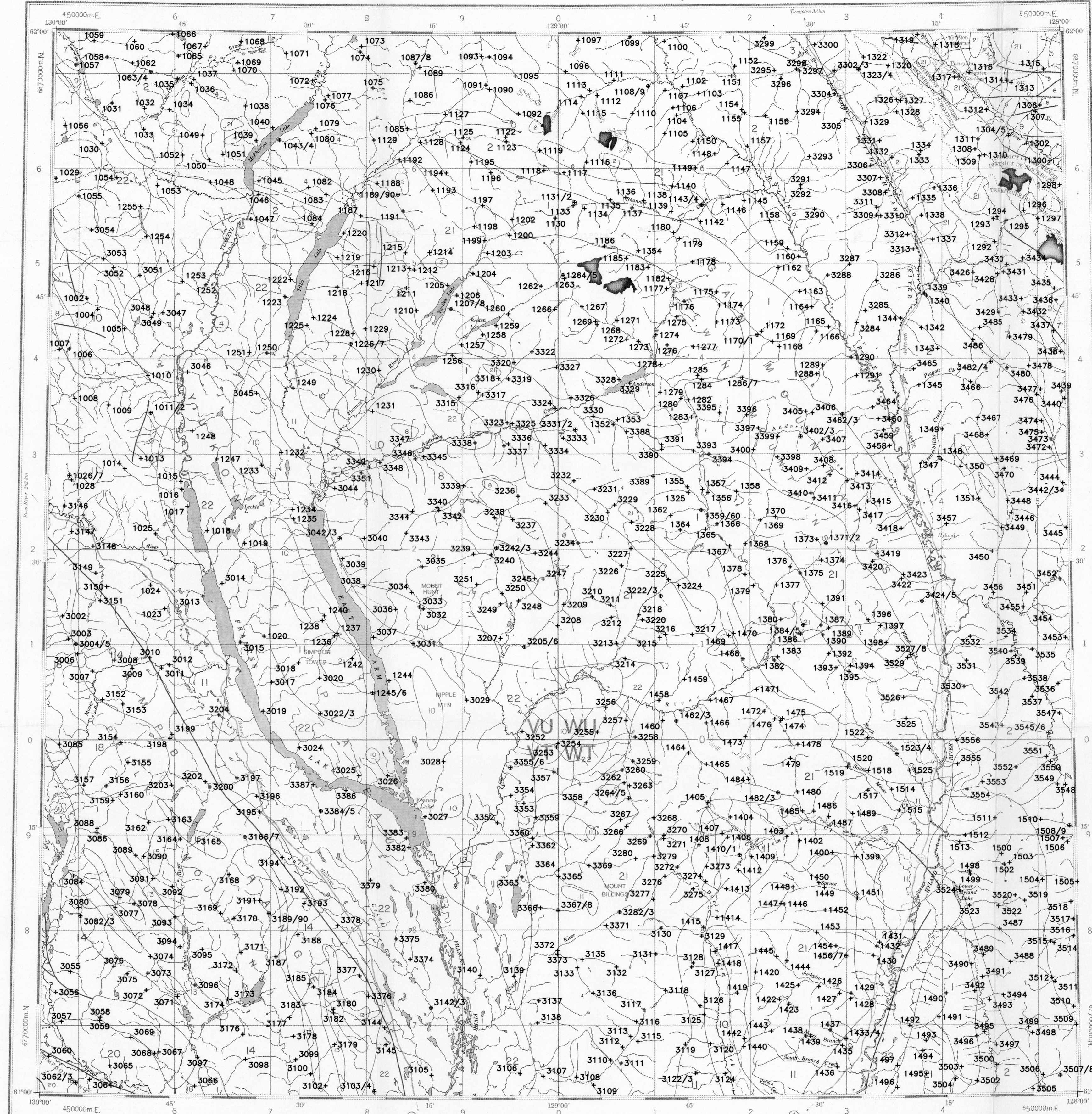
Copies of the Open File map material, element trend and symbol plots, listing of field observations, analytical data, descriptions of analytical methods, and digital data on IBM-PC compatible diskette are available by inquiring to:

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Elevation in feet above mean sea level

Mean magnetic declination 1988, 30° 42' East, decreasing 13.05' annually. Readings vary from 30° 11' in the SW corner to 31° 14' in the NE corner of the map area.



LEGEND

QUATERNARY	PLEISTOCENE AND RECENT
22 Qs	64* Glacial and surficial deposits
CRETACEOUS	
21 Kqm	52 Quartz monzonite, granodiorite; Cassiar quartz monzonite, alaskite
TRIASSIC	
20 Tgdn	42 Foliated hornblende granodiorite, quartz
PERMIAN AND TRIASSIC	
19 PTab	40 Pyroxenite, serpentinite
CARBONIFEROUS AND PERMIAN	
18 CPAV	35 ANVIL RANGE GROUP: andesite, basalt, slate, chert, limestone
17 CPsn	35 Schist, gneiss; includes BIG SALMON METAMORPHIC COMPLEX
16 CPub	35 Serpentinite, diorite, pyroxenite, peridotite
15 CPv	35 Andesite, basalt, chert, tuff
PENNSYLVANIAN AND PERMIAN	
14 PPAT	35 Chert
13 PPac	35 Limestone
MISSISSIPPIAN	
12 Mvt	31 Greenstone, chert, phyllite
DEVONIAN AND MISSISSIPPIAN	
11 DME	29 EARN GROUP: undivided; shale, chert arenite, conglomerate
SILURIAN AND DEVONIAN	
10 SDcq	24 Dolomite, quartzite, argillite
ORDOVICIAN, SILURIAN AND LOWER DEVONIAN	
9 OSDR	19 ROAD RIVER: black graptolitic shale, chert
CAMBRIAN AND ORDOVICIAN	
8 COP	14 Shale, limestone
7 COR	14 RABBITKETTLE: limestone, siltstone
LOWER CAMBRIAN	
6 ICq	11 Dolomite, salty dolomite, quartzite
5 ICp	11 Quartzite, shale
HADRYNIAN	
4 Hc	07 Crystalline limestone
3 Hp	07 Shale, phyllite
2 Hqp	07 Gritty quartzite, argillite, shale, phyllite
1 Hsn	07 Schist, gneiss, quartzite

*A mnemonic code assigned to rock types and recorded as part of field observations.

Geological boundary
Fault
No analytical results
Field duplicate sample sites

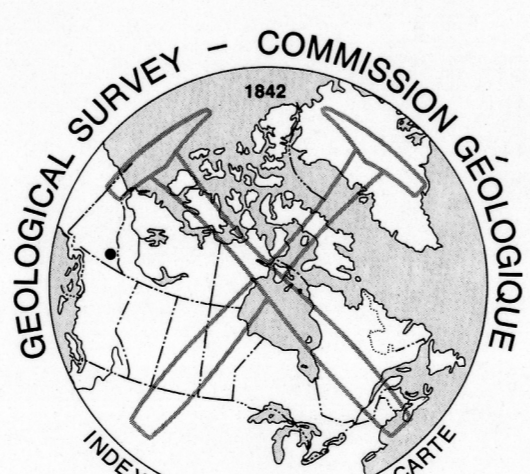
Geology base and legend are derived from:
Gabrielse, H., Tempelman-Kluit, D.J., Blusson, S.L. and Campbell, R.B. (1980) Map 1398A, MacMillan River, Yukon - District of Mackenzie - Alaska, NTS Sheet 105, Geological Survey of Canada, Energy, Mines and Resources Canada. 1:1,000,000 Scale.

Contribution to the Canada/Yukon Subsidiary Agreement on Mineral Resources 1985-1989 under the Canada/Yukon Economic Development Agreement

Contribution à l'Entente auxiliaire Canada/Yukon sur l'exploitation minière 1985-89 dans le cadre de l'Entente Canada/Yukon sur le développement économique.

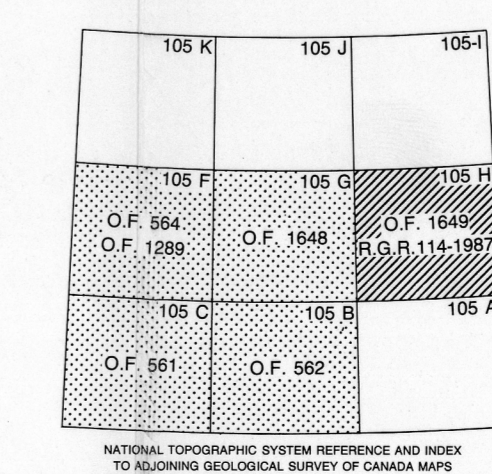


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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 114-87
CANADA - YUKON
MINERAL DEVELOPMENT AGREEMENT (1985 - 1989)
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
EASTERN YUKON, 1987

Scale 1:50 000 - Échelle 1/50 000
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