Province of Saskatchewan
Department of Mineral Resources
Saskatchewan Geological Survey

Canada
Department of Energy, Mines and Resources
Geological Survey of Canada

64D

LEGEND

PRECAMBRIAN
BASEMENT COMPLEX

10	Mafic and ultramafic rocks; includes gabbro, pyroxenite, diorite, quartz diorite and basalt
9	Migmatite and mylonite zones; complexes of mixed metasediment and granite
8	Marble and calc-silicate gneisses
7	Conglomerate
6	Amphibolite and hornblende-bearing gneisses; in part may be volcanic, intrusive or sedimentary in origin, contains hypersthene-bearing amphibolite gneisses west of Virgin River
5	Mixed metasediments; undifferentiated schists and gneisses of pelitic, semi-pelitic and psammitic composition
4	Pelitic schists and gneisses; essentially aluminous metasediments including cordierite-, sillimanite-, staurolite-, and garnet-bearing biotite gneisses (many rocks mapped as "biotite gneisses" are psammitic); north of Lake Athabasca grade into migmatites
3	Psammites; essentially meta-arkose, quartzite and micaceous psammites
2	Metavolcanic rocks and meta-greywackes; includes basalt, andesite, rhyolite, volcanic breccia, tuff, agglomerate, subordinate meta-greywacke, chlorite schist and hornblende schist
1	Granite, granodiorite, quartz monzonites; may be massive or gneissic, includes areas in which meta-sediments may be intimately mixed

Geological contact .....

Fault .....

Geology derived from the 1:1,267,200
Geological Map of Saskatchewan

Geological cartography by the Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map assembled by the Geological Cartography Unit from maps published at the same scale by the Army Survey Establishment, R.C.E. in 1960, 1961, 1964, 1965, 1966

Copies of the topographical maps covering this map-area may be obtained from the Canada Map Office

Mean magnetic declination 1975, 16°58.2' East, decreasing 5.8' annually. Readings vary from 15°39.3' in the SE corner to 16°22.8' in the NW corner of the map-area

Elevations in feet above mean sea-level

Geological Survey of Canada

Geochemistry and Federal-Provincial coordination by
E.H.W. Hornbrook
Analytical chemistry by J.J. Lynch
Data monitoring and compilation by R.G. Garrett and
N.G. Lund
Cartography and base compilation by Geological Cartography Section

Saskatchewan Geological Survey

Federal-Provincial coordination by L.S. Beck
Geological compilation by D.E. Pearson

Contractors

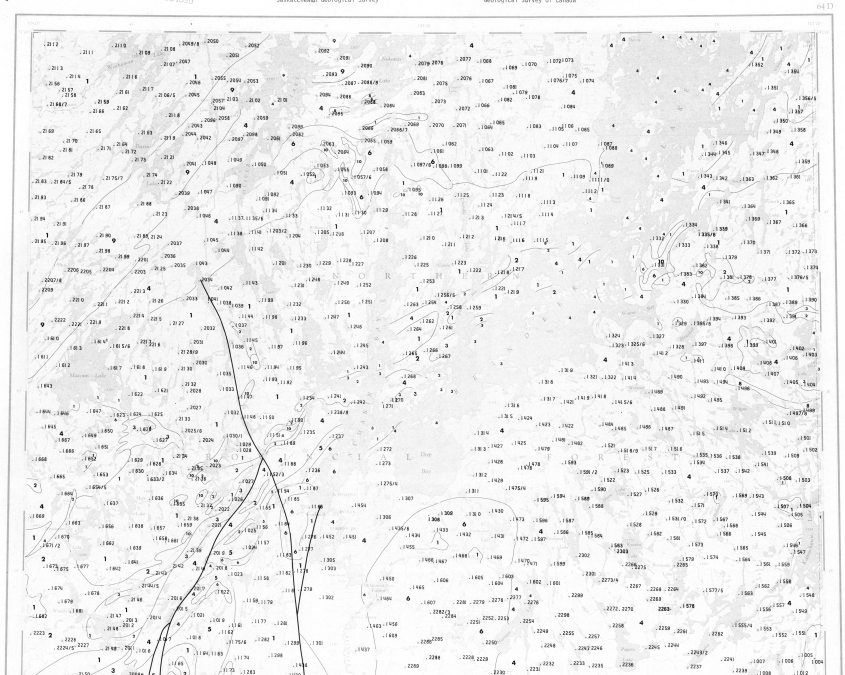
Sample collection by Trigg, Woollett & Associates Ltd.

Sample numbers as shown on the map should be prefixed by the year number, 74, and the 1:250 000 scale NTS map sheet number, e.g.:

1008 is equivalent to 640 .. 74100B

The data is also available in digital form from the Computer Science Centre of the Department of Energy, Mines and Resources. For further information please contact:

The Director,
Computer Science Centre,
Department of Energy, Mines and Resources,
Ottawa, Ontario K1A 0E4.



SHEET 4
SAMPLE NUMBERS AND LOCATIONS

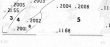
CANADA-SASKATCHEWAN AGREEMENT ON MINERAL EXPLORATION AND DEVELOPMENT IN NORTHERN SASKATCHEWAN

NATIONAL GEOCHEMICAL RECONNAISSANCE

Scale 1:250,000

Kilometres 6 0 6 12 18 Kilometres
Miles 4 0 4 8 Miles

Universal Transverse Mercator Projection



OPEN FILE 488
SHEET 4 - SAMPLE LOCATION
NATIONAL GEOCHEMICAL RECONNAISSANCE
SASKATCHEWAN 1974