

LEGEND

- PRECAMBRIAN
BASEMENT COMPLEX
Mafic and ultramafic rocks; includes gabbro, pyrox-
enite, 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°37.2' in the SE corner to
18°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 Carto-
graphy 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.
Chemical analyses by Barringer Research Ltd.

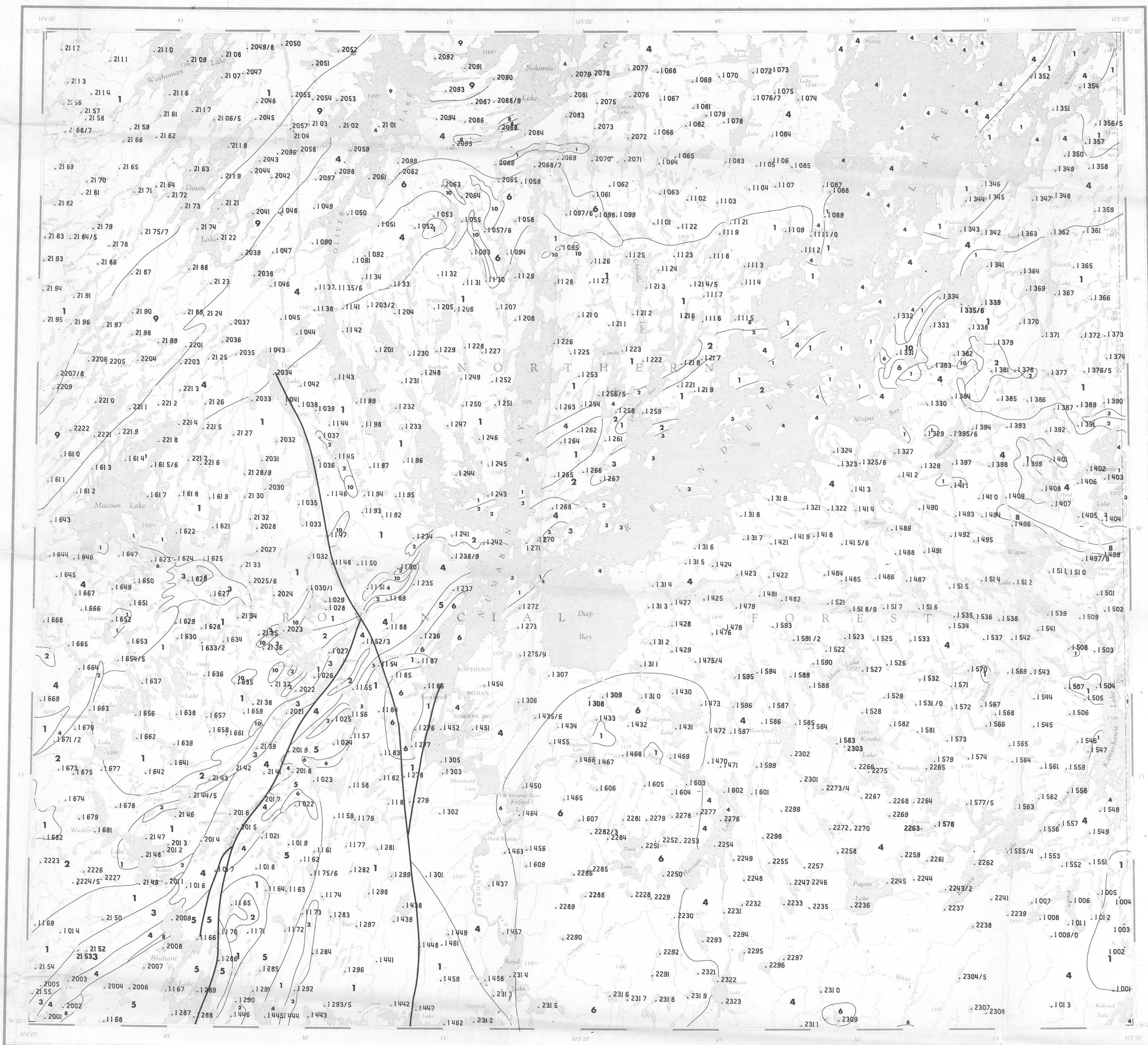
Sample numbers as shown on the map should be prefixed by the
year number, 74, and the 1:250 000 scale NTS map sheet number,
e.g.:

1008 is equivalent to 64D .. 741008

Province of Saskatchewan
Department of Mineral Resources
Saskatchewan Geological Survey

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

64D



INDEX MAP

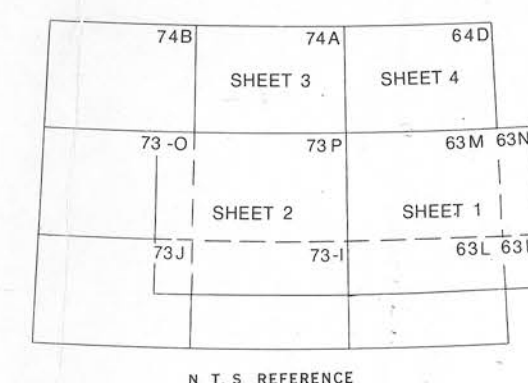
SAMPLE NUMBERS AND LOCATIONS

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
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OPEN FILE 683
SAMPLE LOCATION
NATIONAL GEOCHEMICAL RECONNAISSANCE
SASKATCHEWAN 1974