

SAMPLE LOCATION

GSC OPEN FILE 1642

NORTHWESTERN SASKATCHEWAN 1978/1987

LEGEND

MESOZOIC

CRETACEOUS

8 (SMRK) Mannville Group: interbedded fine to coarse sand, silt and clay.

PALEOZOIC

DEVONIAN

7 (LMOM) Methy Formation: limestone and dolomite

PRECAMBRIAN

SEDIMENTARY COVER

6 (SNDS) Athabasca Formation: predominantly fluvialite sandstone with minor shale and conglomerate.

Pronounced Unconformity
Beneath this unconformity no stratigraphic order is implied by the sequence of the legend.

BASEMENT COMPLEX

- 5 (MGMT) Migmatite and mylonite zones
- 4 (APBG) Amphibolite and hornblende-bearing gneisses
- 3 Mixed metasediments
- 2 (PCSC) Pelitic schists and gneisses
- 1 (GRNT) Granites, granodiorite, quartz-monzonites

A four letter mnemonic name recorded as rock type as part of field observations.

Geological boundary.....

Fault.....

No analytical result.....

Field site duplicate

This legend was modified and the geology derived for this geochemical map from Geology Map of Saskatchewan, 1972

Geological Survey of Canada
Mineral Resources Division
Exploration Geochemistry Subdivision
and
Saskatchewan Department of Energy and Mines
Saskatchewan Geological Survey

CONTRACTORS

Sample collection by Marshall Macklin Monaghan Ltd., Toronto
Sample preparation by Golder Associates, Ottawa

Sediment chemical re-analyses by Bondar-Clegg and Co. Ltd., Ottawa (1987)
Uranium in sediment chemical analyses by Atomic Energy of Canada Ltd. (1984)
Other sediment chemical analyses by Chemex Labs Ltd., Vancouver (1984)
Water chemical analyses by Barringer Magenta Ltd., Rexdale (1984)

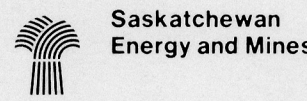
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To purchase copies of map material and listings of field observations and analytical data, from which the material was prepared, or copies of analytical data on IBM microcomputer compatible diskette, please direct inquiries to:

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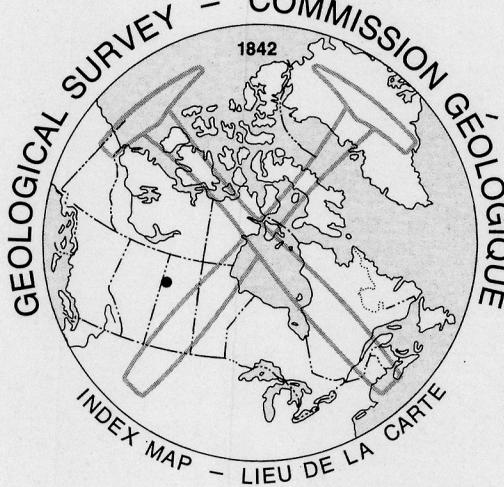
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Elevation in feet above mean sea level

Mean magnetic declination 1988, 20°05' East, decreasing 12.9' annually. Readings vary from 18°50'E in the SE corner to 21°20'E in the NW corner of the map

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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 107-1987

CANADA - SASKATCHEWAN
MINERAL DEVELOPMENT AGREEMENT (1984-89)
AND
URANIUM RECONNAISSANCE PROGRAM (1978)

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTHWESTERN SASKATCHEWAN 1978/1987

Scale 1:250 000 - Échelle 1:250 000

Kilometers 0 5 10 15 20 Kilomètres
Universal Transverse Mercator Projection
Projection transverse universelle de Mercator
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Base-map assembled by the Geological Cartography Unit from maps published at the same scale by the Surveys and Mapping Branch in 1960

