



The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (IDF) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.

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CONTRACTORS

Sample collection by MPH Consulting Ltd., Toronto
 Sample preparation by Golder Associates

Sediment chemical analyses by Barringer Regatta Ltd., Rexdale, Ontario
 Water chemical analyses by Barringer Regatta Laboratories (Alberta) Ltd., Calgary

This map forms one of a series of maps released by the Geological Survey of Canada, Open File 1213. The Open File consists of maps of various geochemical variables: 16 for lake sediment, 3 for lake water and 1 sample site location.

Copies of map material and listings of field observations and analytical data, from which the material was prepared, may be available at users expense by application to:

K.S. Campbell Corporation
 880 Wellington St.
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The data are also available in digital form. For further information please contact:

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Saskatchewan Energy and Mines
 Energy, Mines and Resources Canada

Geological base and legend are derived from: Thomas, M.W. and Stinson, W.L. (1985): Compilation Bedrock Geology, 1:125,000 scale, area 730; Saskatchewan Energy and Mines, Report 246 (1:250,000 scale map with marginal notes).
 Lewis, D.F. and Stinson, W.L. (1985): Compilation Bedrock Geology, Lac La Poudre, NTS Area 739/701; Saskatchewan Energy and Mines, Report 235 (1:250,000 scale map with marginal notes).
 Thomas, M.W. (1983): Compilation Bedrock Geology, Foster Lake, NTS Area 744; Saskatchewan Energy and Mines, Report 228 (1:250,000 scale map with marginal notes).
 Thomas, M.W. (1984): Preliminary Compilation Bedrock Geology, Macdonald, R. and Broughton, P. (1980) Geological Map of Saskatchewan Provisional Edition, North Half, Saskatchewan Mineral Resources, (1:1,000,000 scale map with marginal notes).

Scale 1:250,000
 Universal Transverse Mercator Projection
 Datum: Canadian Geodetic System of 1980

LOSS ON IGNITION (‰)
 GSC OPEN FILE 1213
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 78-1985

CANADA - SASKATCHEWAN
 MINERAL DEVELOPMENT AGREEMENT (1984-89)

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
 NORTH-CENTRAL SASKATCHEWAN, 1985

Elevation in feet above mean sea level

Mean magnetic declination 1985, 17° 29' East, decreasing 20.4' annually. Isogonics vary from 15° 38' East in the SE corner to 20° 02' East in the NW corner of the map area.

Base map assembled by the Geological Survey of Canada from maps published at the same scale by Mapping and Charting Establishment, Department of National Defence and the Survey and Mapping Branch, Department of Energy, Mines and Resources in 1974, 1977, 1982.

This map has been prepared from a digital version of the original map. Reproduction and distribution of data will be as per map.

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LOSS ON IGNITION (‰)
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 NORTH-CENTRAL SASKATCHEWAN, 1985