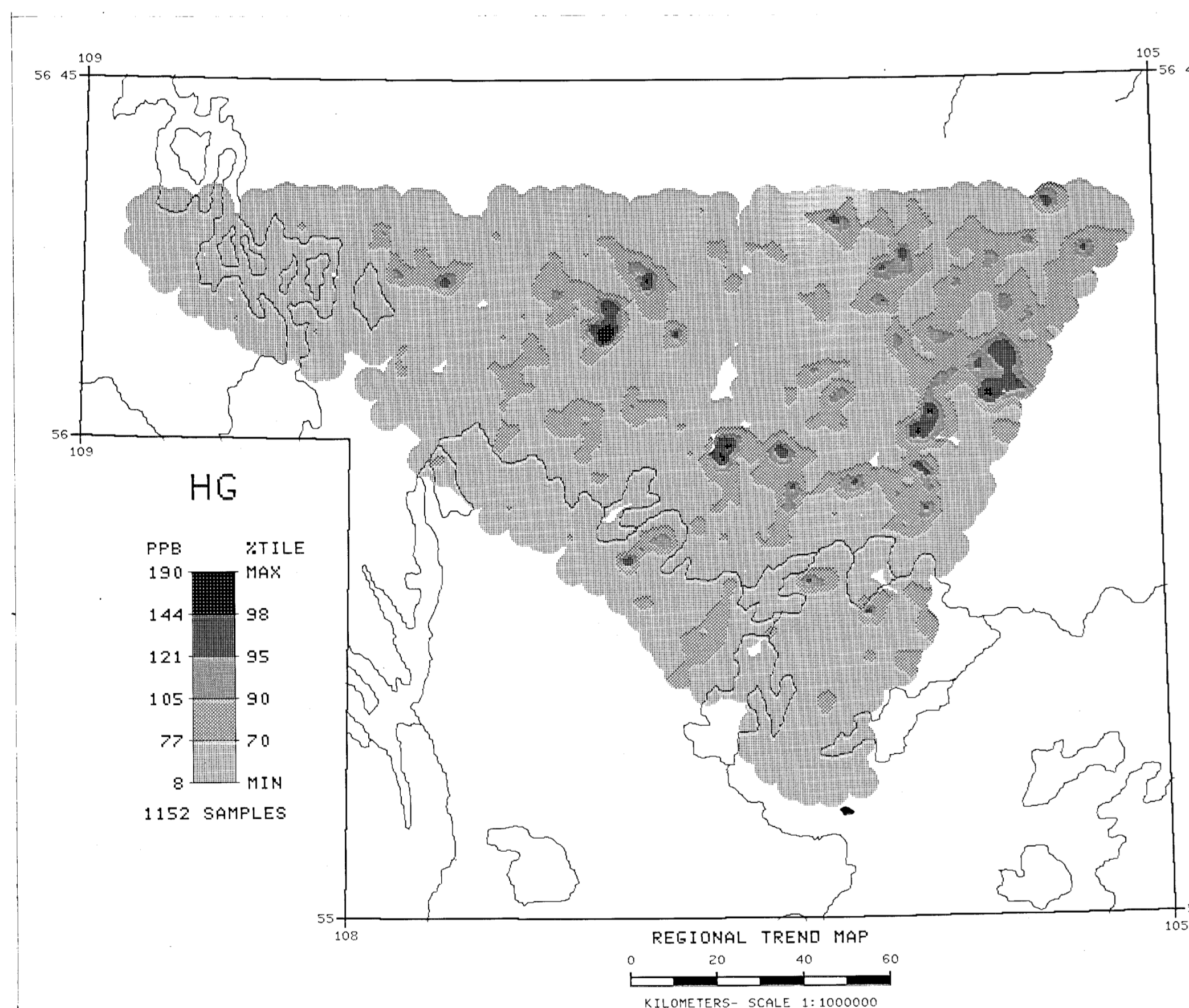


Complexes: where two or more classes of terrain are interposed in a mosaic or repeating pattern the proportion of each component in the combination is given in a three-position designation set off by slashes denoting arbitrary percentage limits. For example, 'MvO/Oa' means that at least 50% of the area is underlain by thin till, with up to 40% boggy areas, and less than 10% scattered rock outcrops. 'Mv/R' indicates more than 60% bedrock concealed by vegetation and less than 10% outcrop. 'Mv/R' indicates at least 60% moraine veneer and up to 40% bedrock exposures.

GLACIAL FEATURE SYMBOLS

Boundary of overburden unit
 Drumlin, drumlinoid ridge, fluting
 Striation, groove (ice direction inferred)
 End moraine
 Esker, crevasse filling

Surficial geology modified from:
 Schreiner, R.T. (1984) Quaternary Geology of the Precambrian Shield, Map 221A (1:1,000,000 scale), to accompany Report 221, Saskatchewan Energy and Mines.



The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/r²) 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.

Geological Survey of Canada
 Resource Geophysics and Geochemistry Division
 Department of Mineral Resources
 Saskatchewan Geological Survey

CONTRACTORS

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

Sediment chemical analyses by Barringer Magenta Ltd., Rexdale, Ontario
 Water chemical analyses by Barringer Magenta 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 sediments, 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:

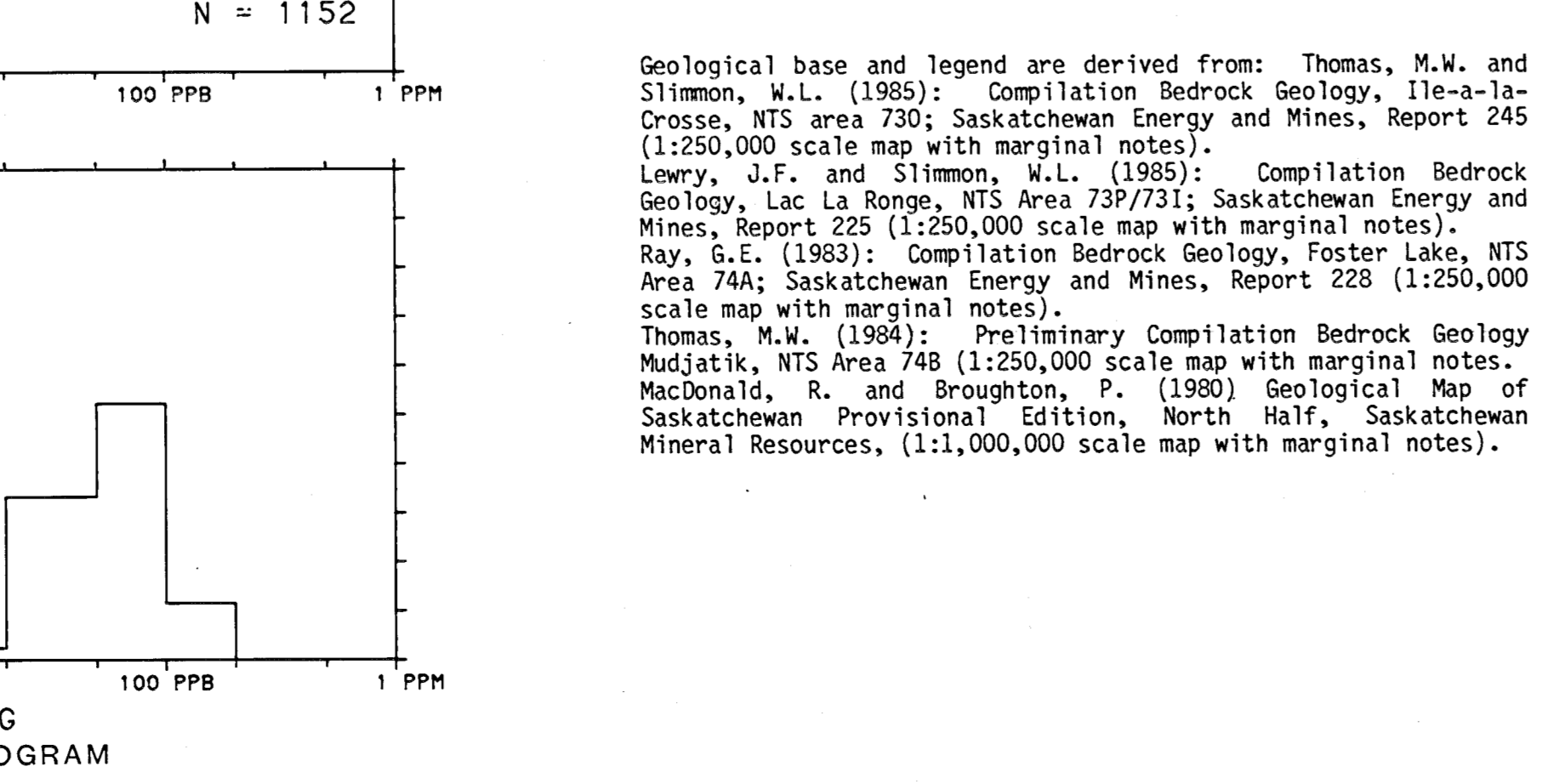
K.S. Campbell Corporation
 880 Wellington St.
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The data are also available in digital form. For further information please contact:

The Director
 Computer Science Centre
 Department of Energy, Mines and Resources
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Contribution to Canada-Saskatchewan Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

Saskatchewan Energy and Mines
 Energy, Mines and Resources Canada



Geological base and legend are derived from: Thomas, M.W. and Stimson, W.L. (1985): Compilation Bedrock Geology, Ile-a-la-Croix, NTS Area 7202, Saskatchewan Energy and Mines, Report 945 (1:250,000 scale map with marginal notes).
 Lavery, J.F. and Stimson, W.L. (1985): Compilation Bedrock Geology, Lac La Bonge, NTS Area 739/731, Saskatchewan Energy and Mines, Report 225 (1:250,000 scale map with marginal notes).
 Ray, G.E. (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, NTS Area 746 (1:250,000 scale map with marginal notes).
 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).

MERCURY (ppb)
 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

Scale 1:250,000

Elevation in feet above mean sea level

Mean magnetic declination 1985, 17°50' East, decreasing 20.4' annually. Readings 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.

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