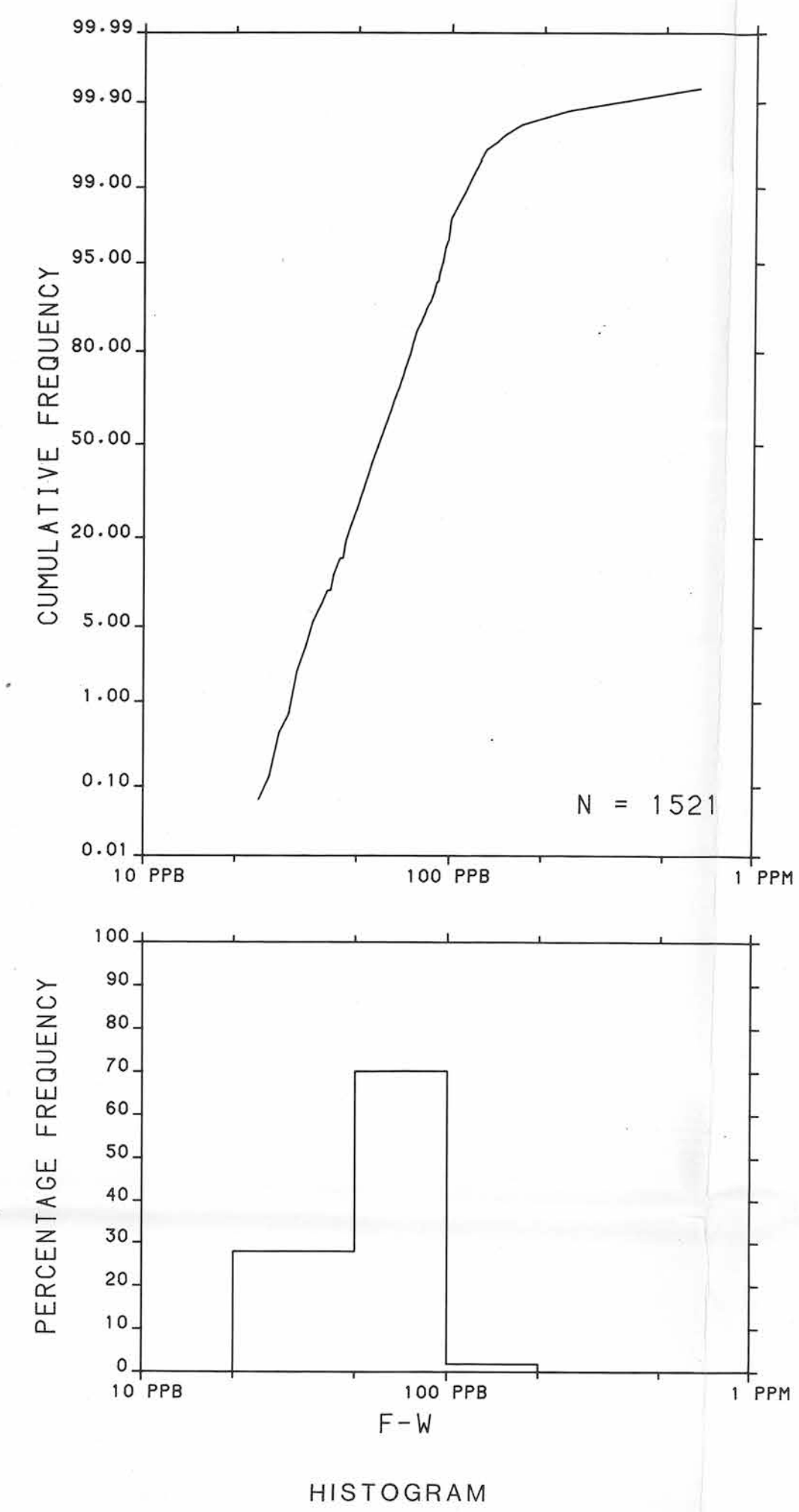
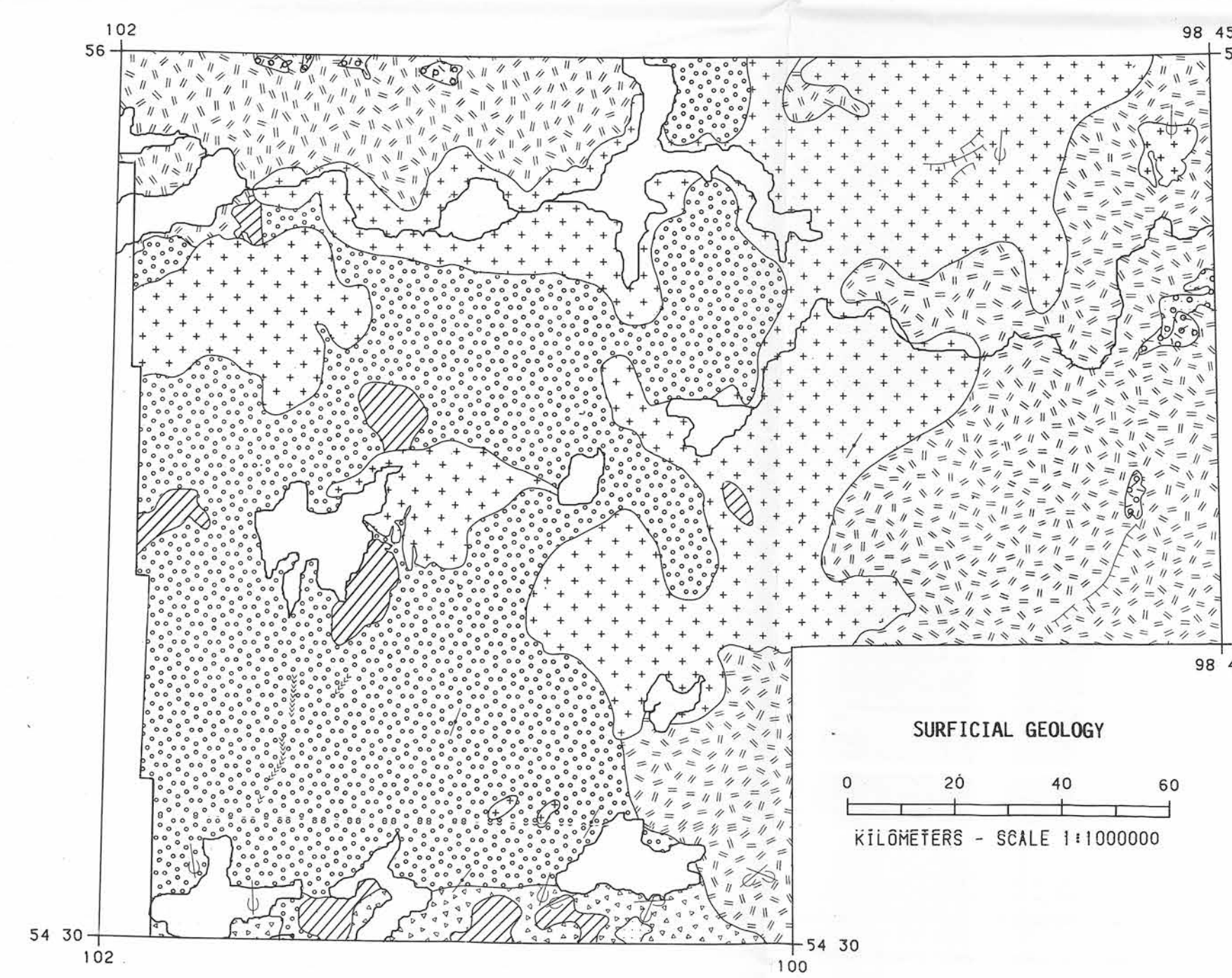


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d²) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated. However, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.

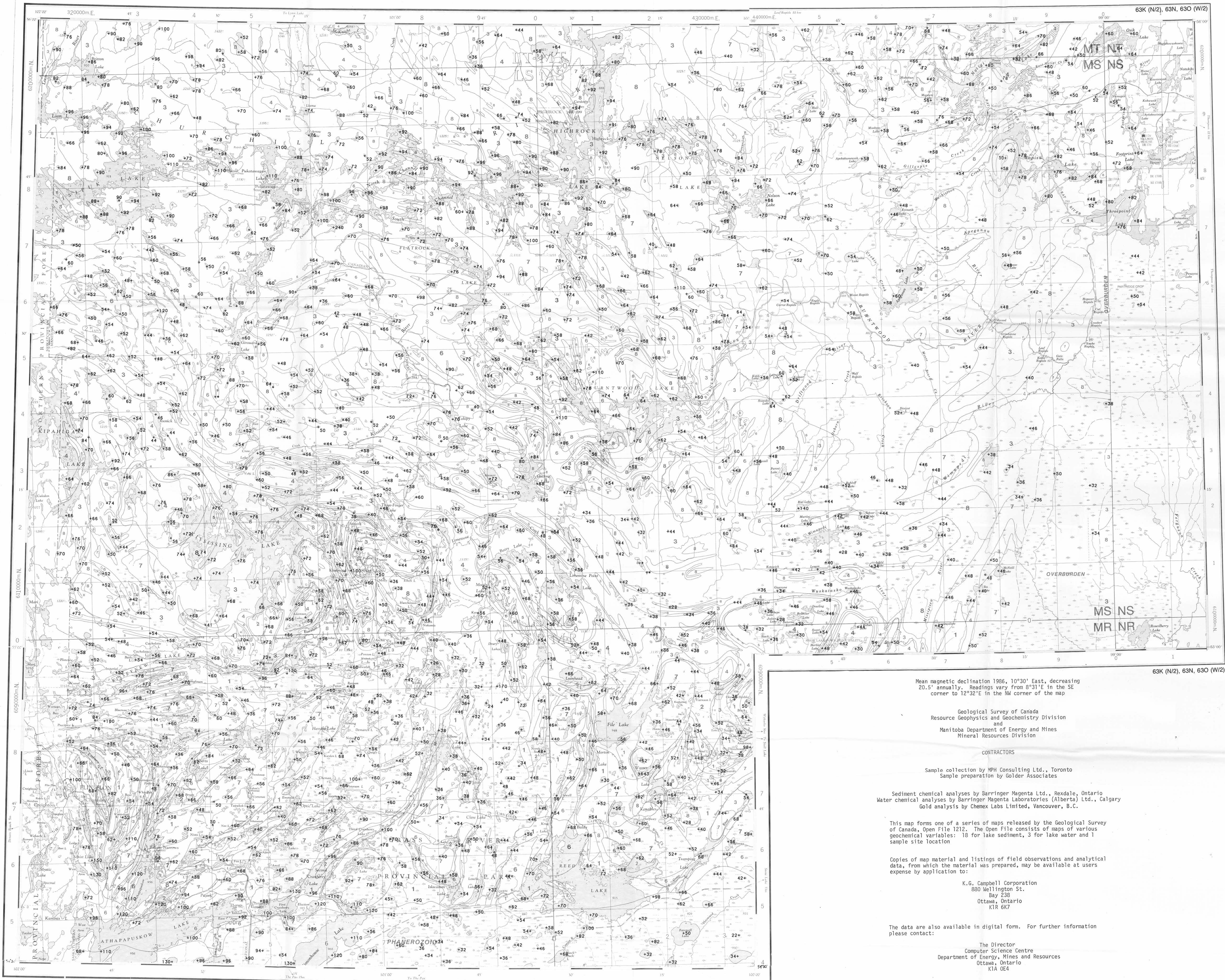


- CENOZOIC**
- 10 OVB 44* Overburden; mainly glacial till and glaciolacustrine deposits
- PALEOZOIC**
- PROTEROZOIC**
- 8 ACIV 04 Felsic to intermediate plutonic rocks
 - 7 IMIV 04 Intermediate plutonic rocks
 - 6 BCIV 04 Mafic to intermediate plutonic rocks. Includes ultramafic rocks
 - 5 AMPB 04 Amphibolite. Includes chert, marble
 - 4 MARK 04 Meta-arkose and quartz-feldspathic gneiss
 - 3 MGCK 04 Meta-greywacke and quartz-biotite gneiss
 - 2 IEKV 04 Intermediate to felsic volcanic rocks
 - 1 BEV 04 Mafic to intermediate volcanic rocks

*A mnemonic code assigned to rock types and recorded as part of field observations

Geological boundary
Surficial deposit boundary
No analytical results

Provisional Synoptic Geological Compilation at 1:250,000 scale, by S. Parker, Geological Services, Manitoba Energy and Mines, 1985



Mean magnetic declination 1985, 10°30' East, decreasing 20.5' annually. Readings vary from 8°31'E in the SE corner to 12°32'E in the NW corner of the map

Geological Survey of Canada
Resource Geophysics and Geochemistry Division
and
Manitoba Department of Energy and Mines
Mineral Resources Division

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
Gold analysis by Chemes Labs Limited, Vancouver, B.C.

This map forms one of a series of maps released by the Geological Survey of Canada, Open File 1212. The Open File consists of maps of various geochemical variables: 18 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.G. Campbell Corporation
880 Wellington St.
Box 238
Ottawa, Ontario
K1R 6G7

The data are also available in digital form. For further information please contact:

The Director
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Contribution to Canada-Manitoba Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada

Manitoba Energy and Mines

Energy, Mines and Resources Canada

Canada

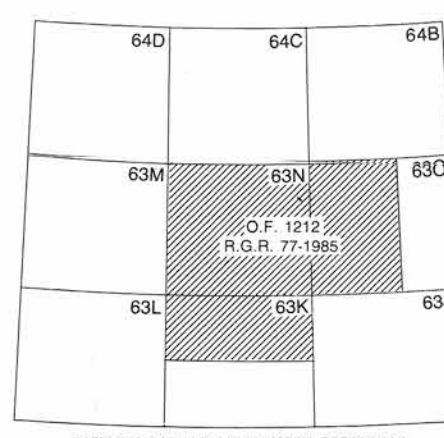
FLUORINE in water (ppb)

GSC OPEN FILE 1212
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 77-1985

CANADA-MANITOBA
MINERAL DEVELOPMENT AGREEMENT (1984-89)
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
WEST-CENTRAL MANITOBA, 1985

Scale 1:250 000

Universal Transverse Mercator Projection
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FLUORINE in water (ppb)

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