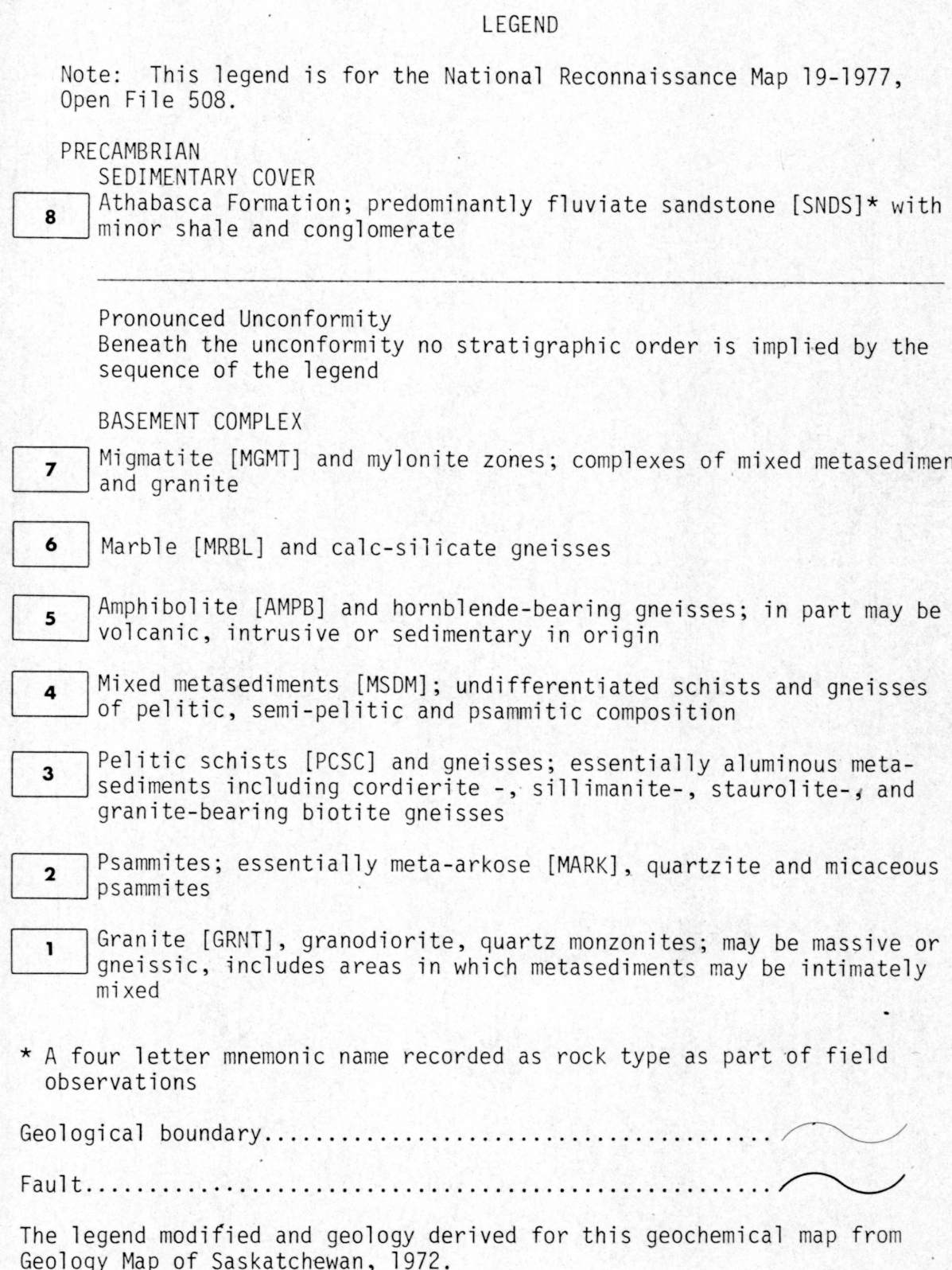


OPEN FILE 508



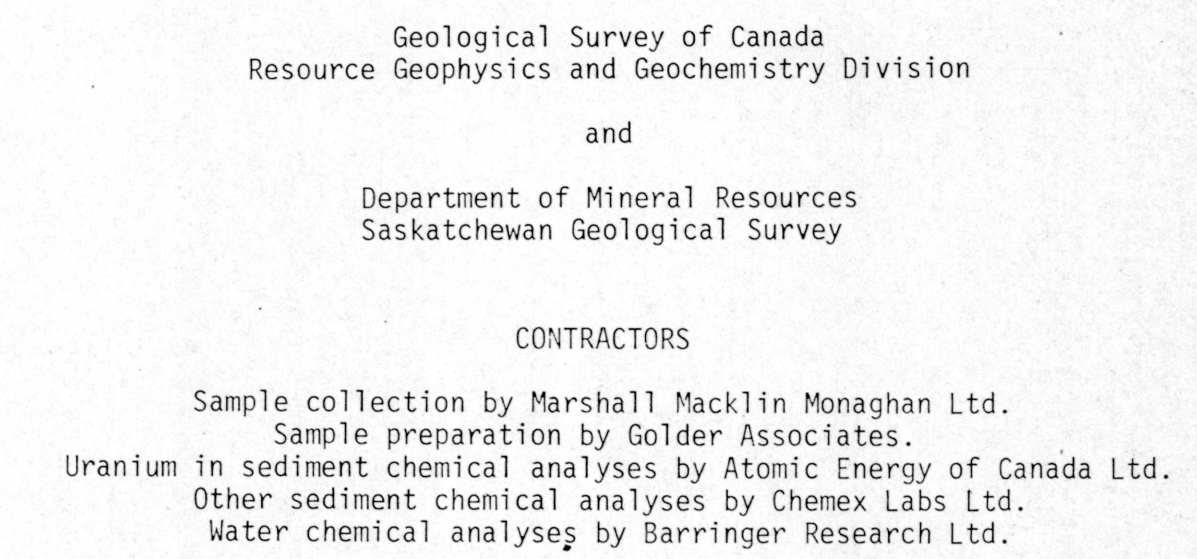
The concentration of an element at a sample site is graphically represented as one of 15 symbols. If a sample was collected but there is no data available a dot is plotted. The symbols are symmetrically arranged so that they first increase in size to the eighth symbol and then increase in blackness to the fifteenth. The two small crosses at the low end of the scale are used to respectively denote concentrations below the analytical limit, or, in the data, values containing less than the detection limit. The scale is logarithmic, scale values being 10, 20, 50, 100 etc. Five decades can be spanned and this arbitrary division has been chosen for the continuing Canada wide series of maps constituting the National Geochemical Reconnaissance.

The choice of symbols and the data groups they represent for any specific element is based on the histogram and cumulative frequency plot for the total survey data from one, or more contiguous, open file sheets covered in one field season (above). The eighth symbol is used for the model group as defined by the histogram. This group usually includes the median of the data as defined by the 0.5 (50%) position in the cumulative frequency plot. The remaining 14 symbols and points in the histogram are chosen so as to achieve an appropriate graphical impact. An example of all 15 symbols is given below.

The symbol maps, being based on the total survey data distributions are unaffected by a availability of ever increasing levels of knowledge in bedrock and surficial geology, and other environmental factors. Therefore, the raw data symbol maps are only intended to assist the rapid inspection of the data for gross regional features. To fulfill the need of a more specific and thorough interpretation, the raw symbol maps should be modified using the field and analytical data provided in the data listings and any other knowledge available.

The data listings contain notes on survey and analytical methods, raw data listing with legend and statistics for total data as well as for data grouped on the basis of rock type.

To comprehensively study an area, all available geological, environmental and recorded data should be utilized. The data separation by bedrock type can often be improved by constructing new data subsets and deriving local threshold levels based on the most detailed and up-to-date knowledge available.



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:

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

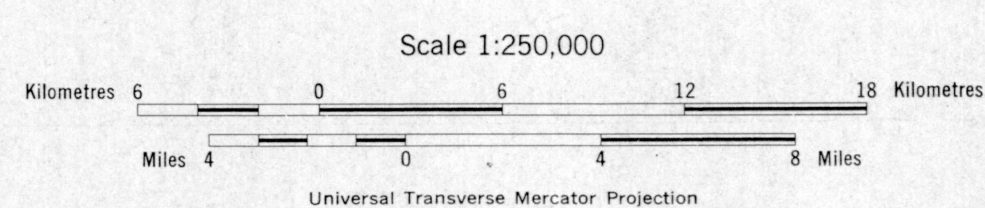
The Director
Computer Science Centre
Department of Energy, Mines and Resources
Ottawa, Ontario
K1A 0E4

OPEN FILE 508
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 19-1977
URANIUM RECONNAISSANCE PROGRAM

Mean magnetic declination 1978, 18°11.4' East.

Mean magnetic declination 1978, 18°11.4' East,
decreasing 6.3' annually. Readings vary
from 16°20.0' in the SE corner to
20°11.4' in the NW corner of

Base-map assembled by the Geological Cartographic Unit from maps published at the same scale by the Surveys and Mapping Branch in 1962, 1963



This map forms one of a series of 14 sheets released under the Geological Survey of Canada, Open File 508. The Open File consists of maps of 11 elements, each for lake sediments, 2 elements for lake waters and sample site location.

OPEN FILE 503

NORTHEASTERN SASKATCHEWAN, 1977