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GEOCHEMICAL SURVEY OF THE HERMAN LAKE AREA

Data from the Herman Lake Regional Geochemical Survey contains a portion of the data base on which the Herman Lake geochemical broadsheet for the survey is based. The correct title for the broadsheet is :

Fortescue J.A.C. and Vida E. (1990) Geochemical Survey, Herman Lake Area; Ontario Geological Survey, Map No. 80 804.

Tabulating the entire geochemical data base on the map sheet is impractical due to the large size of the data set. Consequently, only highlights of the geochemical analyses are summarized on the map sheet.

The data files have been prepared in two formats:

1. Files with the extension ".wk1" are LOTUS 123 (V. 2.01) files. Blank cells or the code -999 represents missing values.

2. Files with the extension ".txt" are standard ASCII files. The blank cell or the code "-999" depicts missing values. Use a general text editor to manipulate the files for individual requirements.

File names begining with "lakename" constitutes a portion of the complete data base. Such a combined file includes lake codes, coordinates, secchi depth, water depth, water pH, water Ca, water Mg, geology, loss on ignition, and a 35 element analysis for pre-Ambrosia lake sediment samples. Simple statistics for each analyses are listed below the data set.

Each file name contains a number, HERMAN*, ie. HERMAN3.txt.

The number delineates the order for combining files. All files include the complete number of samples for the respective analysis.

Originally, a standard material was sequenced within the batch of the original lake sediment samples. The standards were removed and placed into a "STDHER*.txt" file after the analyses were completed for all sample sites and standards. The " * " delineates the combining order for the standards' files.

The global (provincial) table is included as "GLOBHER*.txt". The order for combination is delineated by the number in the place of the star(*).

Because of the space problem on the map sheet, Tables 2, 3, 4, and 5 are on the data base disk. Each large table file will contain a letter after the table number in the location shown by the star (*), TABLE-2*.txt. The combination order is apparent using the letter, i.e., TABLE-2A.txt, TABLE-2B.txt etc.