

The Canadian Database of Geochemistry

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In 1989, creation of a database to hold all of the GSC Applied Geochemistry group's archived data was begun. The database is being developed using Oracle v7, running under Solaris 2.3. PC users can access it using SQL*Net TCP/IP and any ODBC-compliant software (e.g. MapInfo, SPSS, MS Access and many others). The database design is facilitated by object-role modelling, using Infomodeler.

The database contains virtually all of the NGR lake and stream sediment data collected by the GSC from 1974 to the present - almost 200,000 samples, and several million chemical analyses. Work is under way to incorporate additional datasets from within and outside the GSC. Digital indexes are being created for Windows, using the GSC's Surview software, and will be distributed as GSC open files on CD-ROMs. The compiled NGR data are being released as a series of colour maps (e.g. Open File 2959, Ontario compilation, copper in lake sediment).