

## CORE-STORAGE PROGRAM, 1994

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### INTRODUCTION

The Department of Natural Resources presently operates six core-storage libraries located at St. John's, Springdale, Buchans, Baie Verte, Pasadena and Goose Bay (Figure 1). As of November 1994, these facilities housed a combined collection of approximately 871 056 m of core samples from mineral-exploration projects in Newfoundland and Labrador. Construction of outdoor core-storage racks is ongoing to accommodate additional core samples.

### 1994 FIELD ACTIVITIES

Most of the 1994 field season was devoted to sorting and reboxing approximately 7920 boxes of drill-core samples that were stored outside the Pasadena core library. These samples were organized on outdoor core racks that were constructed in 1993. Cataloguing of these core samples is ongoing.

An additional 3000 boxes of core samples remain crosspiled on the ground behind the Pasadena facility. These samples will be organized and placed on recently completed outdoor racks during 1995.

A total of 5678 m of core samples from 46 drillholes were added to our collection this year bringing our total collection of core samples in storage up to 871 056 m. In Labrador, 4322 m of core samples from the Falconbridge Limited Florence Lake project were added to our collection and in insular Newfoundland 1356 m of core samples were obtained from the Gander River Minerals Glenwood/Knob prospect.

A catalogue of all core samples in the core libraries is available, free of charge, from the Department of Natural Resources.

### USING THE CORE LIBRARIES

Any person who wishes to visit any of the core libraries for the purpose of examining core samples should provide advance notice to the person in charge of the particular core library. The Pasadena core library is staffed on a full-time basis by one employee and is open to the public during regular government office hours. Advance notice of one day is required in order to properly accommodate visitors to the Pasadena core library. Visitors to the St. John's core library should also provide advance notice of one day, and advance notice of one week is required to properly accommodate

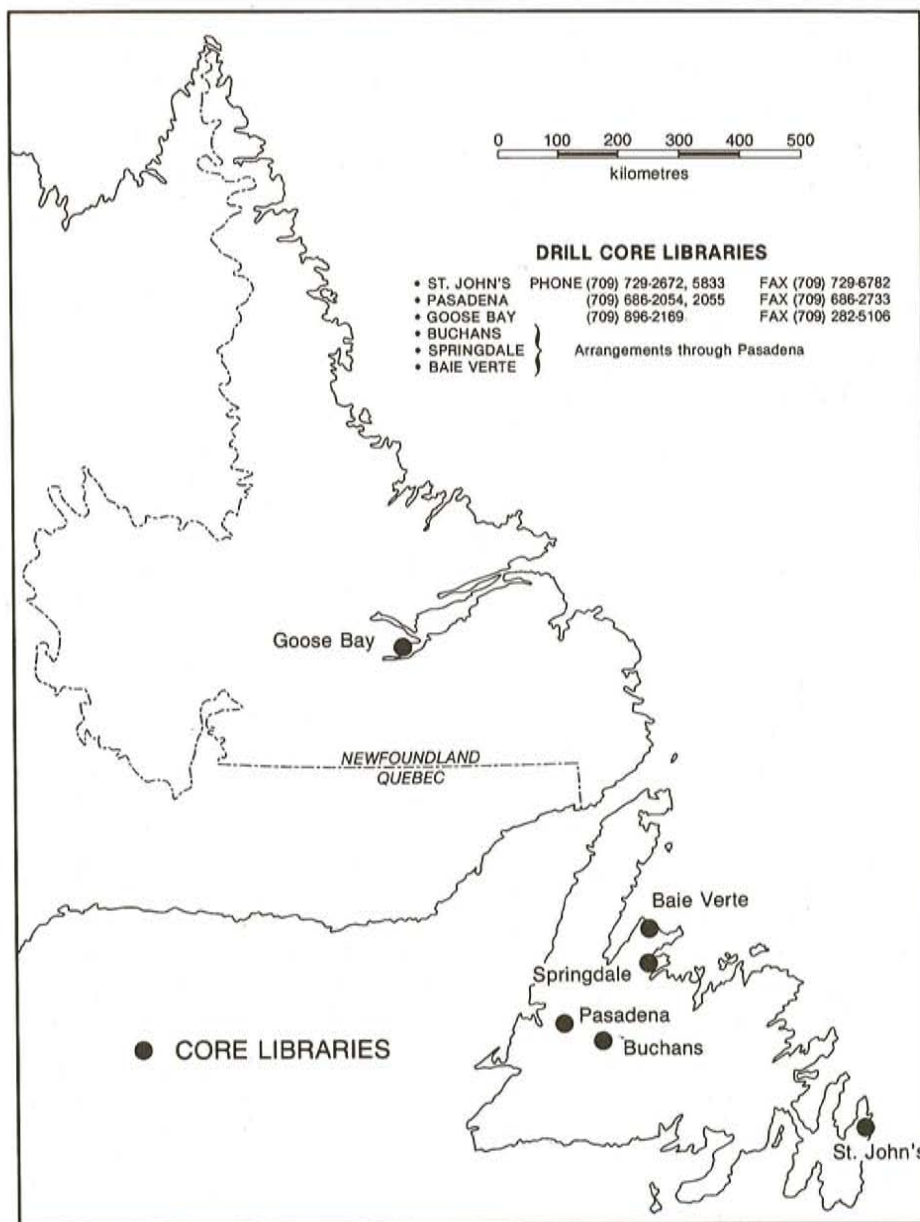
visitors to the Goose Bay core library since it is not staffed on a full-time basis. Visits to the Springdale, Buchans and Baie Verte core libraries require a minimum notice of two days.

The indexing system in all three core libraries is based on the National Topographic System (NTS). Core samples from each drillhole are assigned a unique master number based on the 1:50 000-scale topographic sheet on which the drillhole collar is located. A manual index card file forms the basis of this system in conjunction with a 1:50 000-scale drillhole location map file, which shows the location of all drillholes from which core samples have been catalogued.

Each core library also contains a file of all available data, i.e., drillhole logs, cross sections, and assay results for all core samples stored. The company drillhole number and the assessment file in which the drilling was reported are referenced on the index card. The manual index card file and the map index are supplemented by a computerized drillhole index that contains all of the information on the previous two indices. The computer drillhole index file functions as a permanent masterfile, from which catalogues of all the departmental drill-core holdings are updated annually and printed for distribution at the department's annual Review of Activities each November. The file is resident on microcomputers in the department's St. John's office and in the Pasadena core library where it is available for production of customized indexes.

All six core libraries have core examination areas that contain or share rock-cutting equipment, a core splitter, a stereomicroscope, a magnetic susceptibility meter, a resistivity meter, an ultraviolet light and a McPhar TV-1 scintillometer.

Sampling is generally permitted where doing so does not destroy any lithological sequence or leave gaps in the drillhole record. The smallest size sample that is useful is taken and the minimum amount of core that must be left in each core box is a one quarter size split of the original core. The user must complete a 'Request To Sample Form' (Appendix I) before sampling is permitted. All core samples, pulps, powders, thin sections, and any other materials generated from the core samples must be returned (along with a copy of the results of any work done on the samples) to the core library within one year from the date the samples were taken. The user shall be responsible for costs incurred in returning samples to the core library.



**Figure 1.** Core libraries in Newfoundland and Labrador.

There are no fees charged for the services provided by the core-storage program, however, patrons making extensive use of the trim saws to sample drill core are required to supply their own blades or replace the blades that are used.

**FURTHER INFORMATION**

Anyone requiring further information on the core-storage program or wishing to visit either of the core libraries should contact the people listed below.

Project Geologist—Core-Storage Unit (Alvin Harris)  
 Department of Natural Resources  
 P.O. Box 8700  
 St. John's, Newfoundland  
 A1C 5T7  
 PHONE: (709) 729-5833 FAX: (709) 729-6782

Core-Storage Geologist (Pasadena) (Stewart Cochrane)  
 Department of Natural Resources  
 Dr. A.K. Snelgrove Core Library  
 Pasadena, Newfoundland  
 A0L 1K0  
 PHONE: (709) 686-2054/2055 FAX: (709) 686-2733



**APPENDIX I**  
CORE-STORAGE UNIT  
Request to Sample Core

USER NAME: \_\_\_\_\_

COMPANY/AFFILIATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

NATURE OF PROJECT: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WORK TO BE CONDUCTED  
ON SAMPLES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DRILLHOLE NOS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SAMPLE INTERVALS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIZE AND SHAPE OF SAMPLES: \_\_\_\_\_  
\_\_\_\_\_

REQUEST DENIED/GRANTED (REASON): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE \_\_\_\_\_ CORE-STORAGE GEOLOGIST \_\_\_\_\_

**NOTE:** All core samples and/or pulps, powders and thin sections, etc., generated from core samples must be returned to the core library at the end of a previously specified period. A copy of all assays and other analytical work conducted on the samples is also required at the end of this period.

RETURN DATE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_