

## **CORE-STORAGE PROGRAM, 1995**

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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 1995, these facilities housed a combined collection of approximately 903 727 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.

This report summarizes activities during 1995 and presents an overview of the operations of the core-storage program.

### **1995 FIELD ACTIVITIES**

The 1995 field season was divided between sorting and reboxing approximately 3000 boxes of drill-core samples remaining on the ground outside the Pasadena core library and conducting core collection in various parts of the province. All core samples at the Pasadena facility have now been placed on core racks and catalogued.

A total of 32 671 m of core samples from 388 drillholes were added to our collection during 1995.

In Labrador, the Iron Ore Company of Canada delivered approximately 11 228 m of core samples from its Strange Lake property for long-term storage at the Goose Bay core library and 1079 m of core were collected from the 1993 Kennecott Canada drill program at Fraser Lake. In insular Newfoundland, approximately 16 000 m of core samples were obtained from the 1988-89 drilling by the Rambler Joint Venture on the Ming West and Main Mine properties and 1152 m of core samples were obtained from the 1995 drill program carried out by Celtic Minerals in the Indian Bay area. Approximately 3212 m of core samples were obtained from three drill projects conducted by Avalon Mines Limited during 1995 on the Avalon Peninsula.

All core samples in the Department core libraries are available for inspection by interested parties and a catalogue of all core samples is available free of charge from the Department of Natural Resources.

### **USING THE CORE LIBRARIES**

Any person who wishes to visit either 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 because 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 that 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 indexes. The computer drillhole index file functions as a permanent master file from which catalogues of all of our drill-core holdings are updated yearly 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.

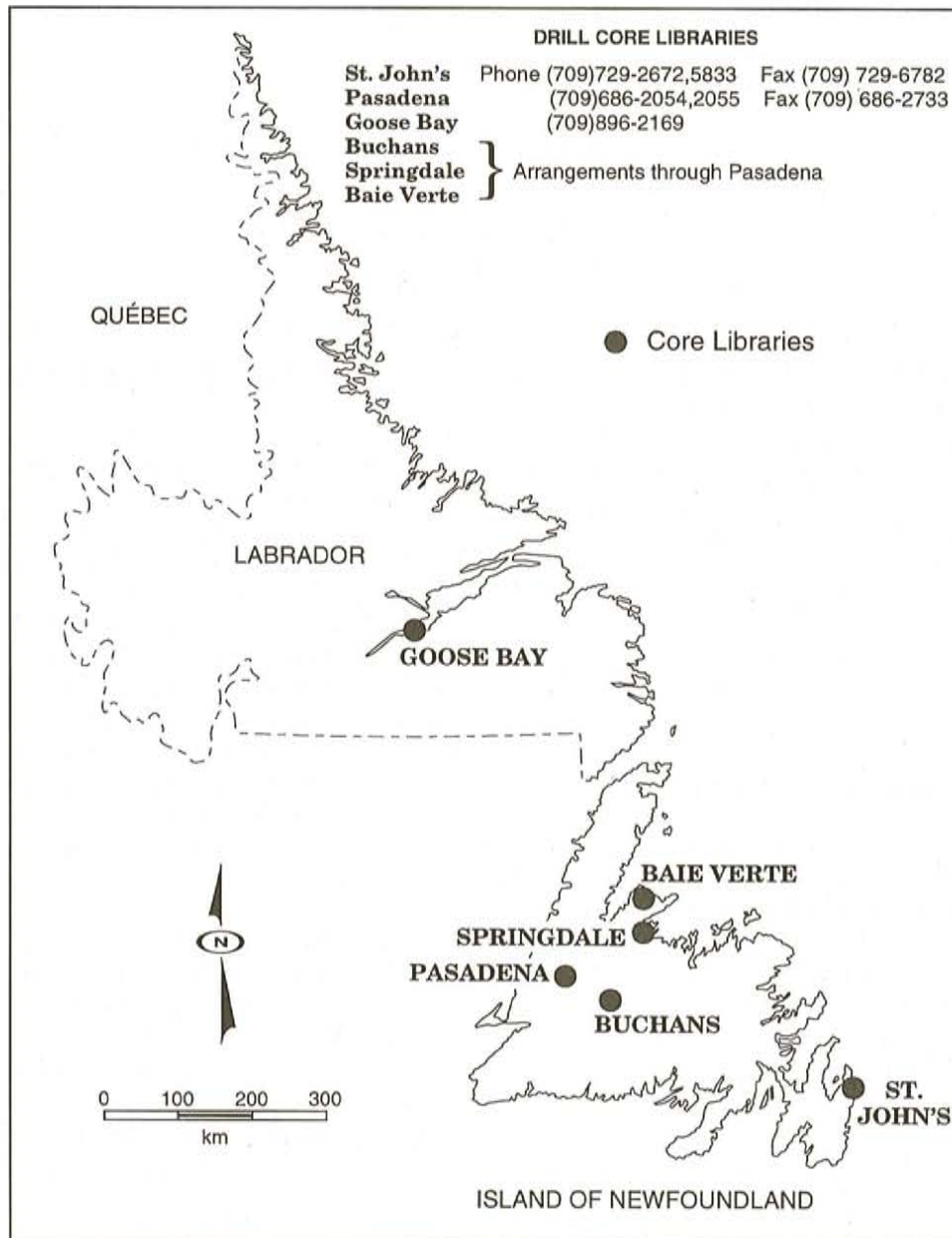


Figure 1. Core libraries in Newfoundland and Labrador.

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

The taking of samples 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.

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  
A1B 4J6  
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 1**  
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: \_\_\_\_\_