

## CORE-STORAGE PROGRAM, 1999

A. Harris and S. Cochrane  
Mineral Lands Division  
Mines Branch

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### ABSTRACT

*The Department of Mines and Energy currently operates six core-storage libraries located in St. John's, Springdale, Buchans, Baie Verte, Pasadena and Goose Bay. Currently, these facilities house just under a million metres of core samples collected from mineral exploration projects in Newfoundland and Labrador. This report summarizes activities during 1999 and presents an overview of the operations of the core-storage program.*

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### 1999 FIELD ACTIVITIES

During 1999, the core-collection effort focused primarily on collecting core samples made available by Noranda Exploration Co. Ltd. from its drilling projects in central Newfoundland and transporting them to the Buchans core library. Collection of the Noranda core samples will be completed during the 2000 field season. A total of 38 349 m of core samples (Table 1) were added to the core collection in 1999, bringing the total core-sample collection in storage up to approximately 977 766 m.

**Table 1.** New core sample acquisitions for 1999

Company	Property	Length (m)
Granges Exploration Inc.	Lanes Pond	786
Phelps Dodge Corp.	Buchans	3332
First Labrador Acquisitions	Lake Bond	3575
Fort Knox Gold	Avalon Project	668
Noranda Exploration	Glitter Advance	666
Noranda Exploration	Jacks Pond	808
Noranda Exploration	Long Lake	9662
Noranda Exploration	Victoria Project	3820
Noranda Exploration	West Tally Pond	816
Noveder Inc	Baie Verte Area	12 308
Newfoundland Slate Inc.	Nut Cove/ Long Harbour	1908

All core samples in 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 Mines and Energy.

### USING THE CORE LIBRARIES

Any person who wishes to visit any of the core libraries (Figure 1) 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 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, which 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 the

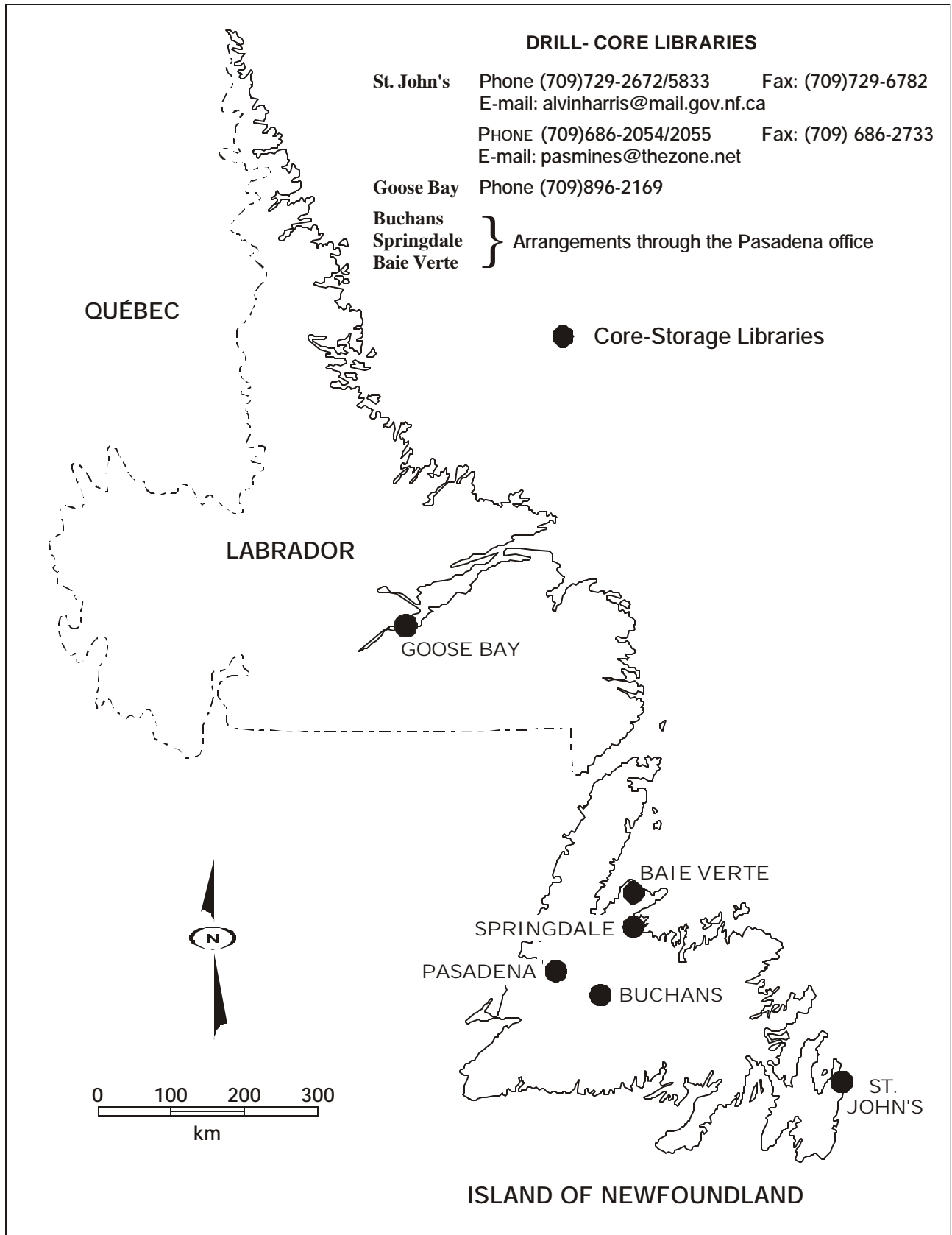


Figure 1. Core libraries in Newfoundland and Labrador.

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.

All six core libraries have core examination areas that contain or share, rock cutting equipment, a core splitter and a stereomicroscope, 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 1) 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 exten-

sive 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 Mines and Energy  
 P.O. Box 8700  
 St. John's, Newfoundland  
 A1C 5T7  
 Phone: (709) 729-5833 Fax: (709) 729-6782  
 Cell: (709) 685-4502  
 E-mail: alvinharris@mail.gov.nf.ca

Core-Storage Geologist (Pasadena) (Stewart Cochrane)  
 Department of Mines and Energy  
 Dr. A.K. Snelgrove Core Library  
 Pasadena, Newfoundland  
 A0L 1K0  
 Phone: (709) 686-2054, 2055 Fax: (709) 686-2733  
 Cell: (709) 682-6439  
 E-mail: pasmines@thezone.net

**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: \_\_\_\_\_