

## CORE-STORAGE PROGRAM, 2004

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### ABSTRACT

*The Department of Natural Resources currently operates six core-storage libraries located at St. John's, Springdale, Buchans, Baie Verte, Pasadena and Goose Bay. Currently, these facilities house in excess of one million metres of core samples collected from mineral exploration projects in Newfoundland and Labrador. This report summarizes activities during 2004 and presents an overview of the operations of the core-storage program.*

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### 2004 FIELD ACTIVITIES

During 2004, our efforts focused primarily on drill-core collection in central Newfoundland and organization of the collected samples in the Buchans core library.

A total of 35 556 m of new core samples (Table 1) were added to the core collection in 2004, bringing the total core-sample collection in storage up to 1 091 915 m.

**Table 1.** New core material added to the core-storage archives

Company	Property	Length(m)
Gallery Resources Ltd.	Katie Property	6,276
Gallery Resources Ltd.	Mystery Pond	882
Celtic Minerals Ltd.	Hungry Hill	8,681
Celtic Minerals Ltd.	Great Burnt Lake	2,195
Celtic Minerals Ltd.	Buchans Junction	2,116
Celtic Minerals Ltd.	Lake Bond	1,795
Celtic Minerals Ltd.	Millertown	478
Celtic Minerals Ltd.	Sutherlands	1,295
Celtic Minerals Ltd.	Victoria Mine	945
Richmont Mines Ltd.	Hammerdown Mine	4,775
Terra Nova Gold	South Quinn	275
Altius Resources Inc.	Lockport	2,858
Corner Brook Pulp & Paper	Hughes Brook	798
Kermode Resources	Jacksons Arm	2,187

All core samples in Department core libraries are available for inspection by interested parties and a catalogue (in paper or digital format) of all core samples in storage is available, by request, from the Mineral Lands Division,

Department of Natural Resources. The drillhole database is now accessible on the Department's website through the "Maps and Databases" button on the home page.

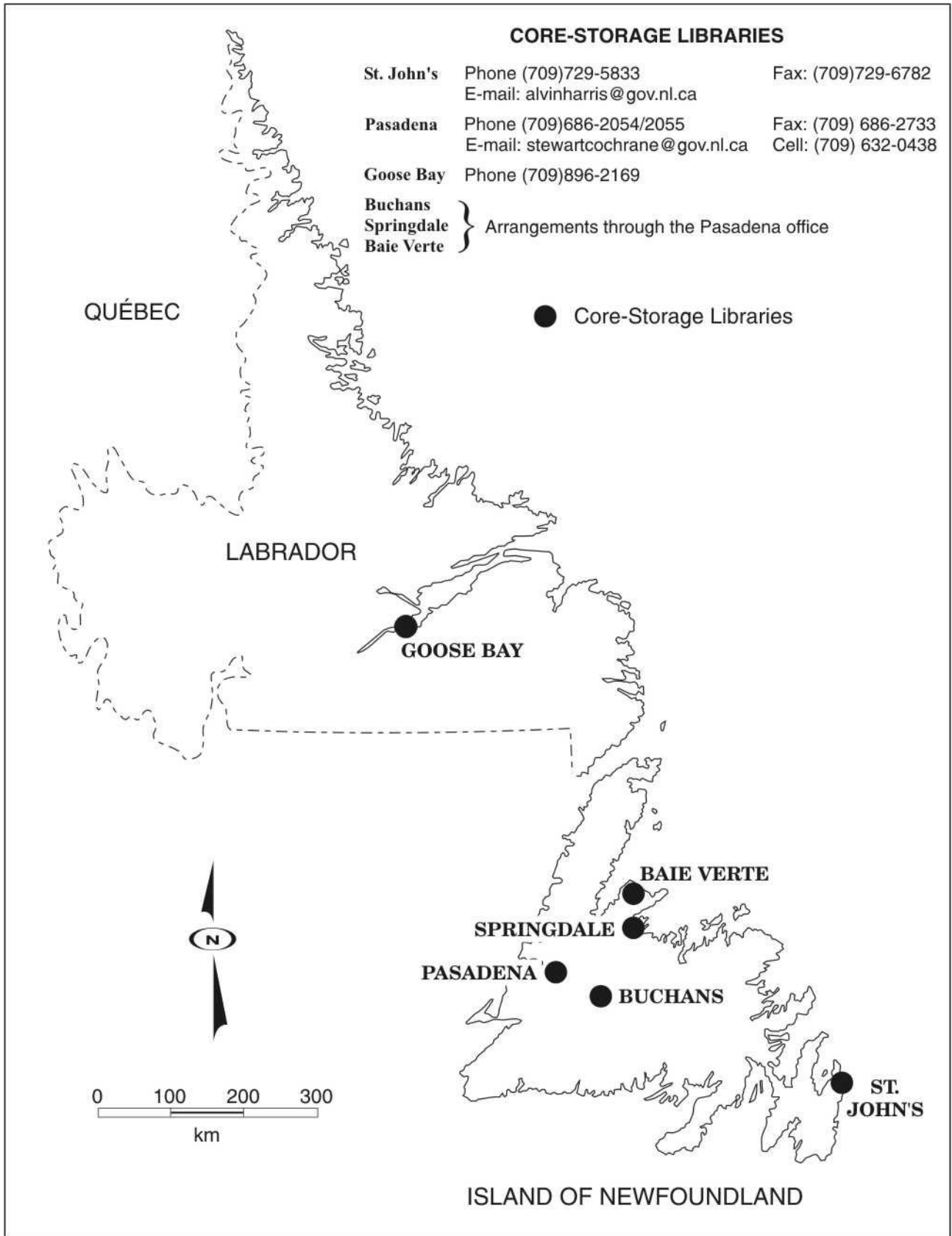
### NEW DEVELOPMENTS

All core libraries in insular Newfoundland, except the Buchans core library, are filled to capacity and new core samples are not being accepted at these facilities. Any company wishing to claim assessment credits for delivering core samples to Department core libraries (in insular Newfoundland) must deliver the samples to the Buchans core library and not to any of the other core libraries on the Island.

### USING THE CORE LIBRARIES

Any person who wishes to visit either 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 because it is not staffed on a full time basis. Visits to the Springdale, Buchans and the Baie Verte core libraries require a minimum notice of two days.

The indexing system for all core samples in the core libraries is based on the National Topographic System (NTS). Each drillhole, for which there are core samples in



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

storage, is assigned a unique master number based on the 1:50 000-scale topographic sheet on which the drillhole collar is located. A digital database containing all relevant data available for core samples in storage can now be accessed on the Department web site. This database has replaced the manual index card and map file system previously used in the core libraries.

Each core library 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.

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 sampling of cores 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.

## PLANS FOR 2005

Plans for 2005 include continuation of the core collection effort to obtain representative core samples (complete drillholes) from drilling projects in Labrador and ongoing core collection in insular Newfoundland as required.

Updates to the drillhole database will be made on a regular basis as new core is added to the core libraries and work continues on summarization of all available assay data for core samples in storage.

Anyone requiring further information on the core-storage program or wishing to visit either of the core libraries should contact the staff 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  
 E-mail: alvinharris@gov.nl.ca

Core-Storage Geologist (Pasadena) (Stewart Cochrane)  
 Department of Natural Resources  
 Dr. A.K. Snelgrove Core Library  
 Pasadena, Newfoundland  
 A0L 1K0  
 Phone:(709) 686-2054 Fax: (709) 686-2733  
 Cell: (709) 632-0438  
 E-mail: stewartcochrane@gov.nl.ca

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