

## CORE-STORAGE PROGRAM, 2010

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### ABSTRACT

*The Department of Natural Resources operates six core-storage libraries located in St. John's, Springdale, Buchans, Baie Verte, Pasadena, and Goose Bay, Labrador. Currently, these facilities house more than one million metres of core samples collected from mineral exploration projects in Newfoundland and Labrador. This report summarizes activities during 2010 and presents an overview of the operations of the core-storage program.*

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### 2010 FIELD ACTIVITIES

A total of 26 912 m of new core samples (Table 1) were added to the core collection during 2010, bringing the total core-sample collection in storage up to 1 252 405 m.

**Table 1.** New core samples added in 2010

Company	Property	Length(m)
Altius Resources Inc.	Boxey	1323
Northern Abitibi	Taylor's Brook	2636
Paragon Minerals	Huxter Lane	5037
Rubicon Minerals	Golden Bullet	1724
Crosshair Resources	Wings Point	1559
Rubicon Minerals	Glenwood	645
Triple Nine Resources	Four Corners	955
Puddle Pond Resources	Horn-Mesher	584
Puddle Pond Resources	Moly Peak	369
Crosshair Resources	Moran Lake	2842
Dept. of Natural Resources	Julienne Lake	9238

Efforts to preserve core samples stored outside the various core libraries for long-term storage were continued in 2010. At the Baie Verte core library, more than 950 boxes of core samples were re-boxed, relabelled and restacked for continued outdoor storage and at the St. John's core library, more than 1000 boxes of core samples were secured for long-term outdoor storage. At the Buchans core library, 11 300 boxes of core samples were secured for long-term storage and a security fence was constructed around the storage compound.

All core samples in Department core libraries are available for inspection by interested parties and a catalogue (in

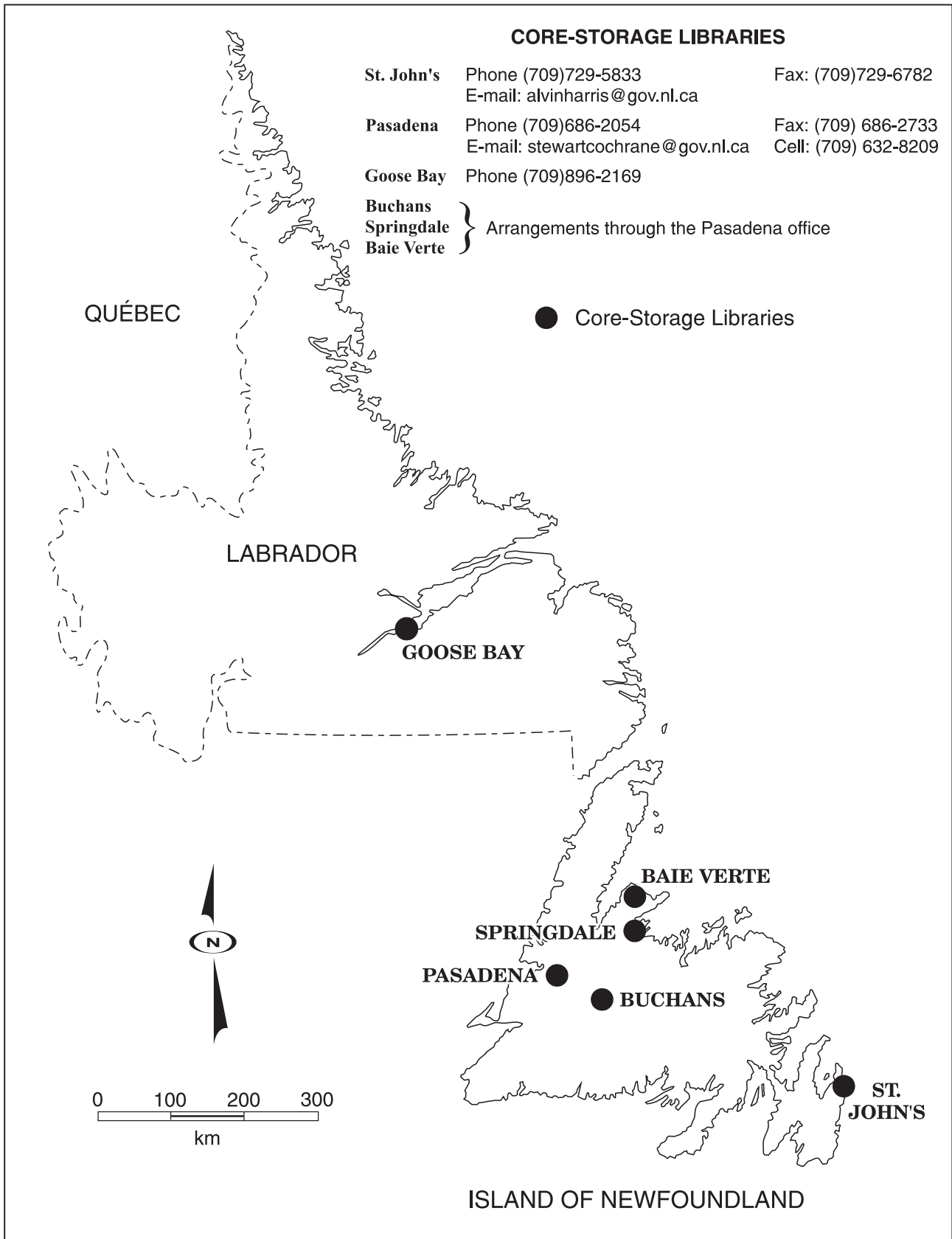
paper or digital format) of all core samples in storage is available, by request, from the Department of Natural Resources.

A digital database containing all relevant data available for core samples in storage can be accessed on the Department website through the Geoscience Resource Atlas at <http://gis.geosurv.gov.nl.ca/>.

### USING THE CORE LIBRARIES

Any person who wants to visit any of the core libraries (Figure 1) for the purpose of examining core samples must provide advance notice to the person in charge of that 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 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 two days is required to properly accommodate visitors to the Goose Bay, Labrador, core library because it is not staffed full time. Visits to the Springdale, Buchans and 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 storage, is assigned a unique master number based on the 1:50 000-scale topographic sheet on which the drillhole collar is located. 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 in the digital drillhole database.



**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 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 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 2011

Plans for 2011 include continuation of the core-collection effort to obtain representative core samples from selected drilling projects in Labrador, and ongoing core collection in insular Newfoundland, as required. The ongoing effort to preserve core samples that have been stored outdoors at the various core libraries will continue at the Baie Verte and Pasadena libraries

Updates to the drillhole database will be made on a regular basis as new core is added to the core libraries.

The St. John's, Springdale, Baie Verte and Pasadena core libraries 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. In Labrador, core samples may be delivered to the Goose Bay core library.

Anyone who requires further information on the core-storage program or would like to visit either of the core libraries must contact the staff 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  
 E-mail: [alvinharris@gov.nl.ca](mailto: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, 2055 Fax: (709) 686-2733  
 Cell: (709) 632-8209  
 E-mail: [stewartcochrane@gov.nl.ca](mailto: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: \_\_\_\_\_