

CORE-STORAGE PROGRAM, 2008

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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. 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 2008 and presents an overview of the operations of the core-storage program.

2008 FIELD ACTIVITIES

A total of 40 332 m of new core samples (Table 1) were added to the core collection during 2008, bringing the total core-sample collection in storage up to 1 215 070 m.

Table 1. New core samples added in 2008

Company	Property	Length(m)
Consolidated Abbadon Resources	Sims Ridge	586
North Range Resources	Briana Prospect	1 476
Crosshair Resources	Moran Lake	2 924
Celtic Minerals Ltd.	Budgell's Harbour	1 956
Mountain Lake Resources	Bobby's Pond	13 563
Prominex Resources	Tulks Hill	2 208
Playfair Mining Ltd.	Granite Lake	879
Bayswater Uranium Corp.	Whisker Valley	1 489
Atlantic Minerals Ltd.	Port au Port	4 170
Royal Roads Corp.	Daniels Pond	5 873
Royal Roads Corp.	Buchans	5 208

All new core-sample acquisitions in insular Newfoundland, excluding the samples from the Whisker Valley project, were delivered to the Buchans core-storage library by the exploration companies who conducted the drilling.

The core-collection effort in Labrador was limited to core samples collected from the Briana and Sims Ridge properties listed in Table 1. Crosshair Resources delivered 2924 m of core samples to the Goose Bay core library from its Moran Lake property drilling.

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 now 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 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 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 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

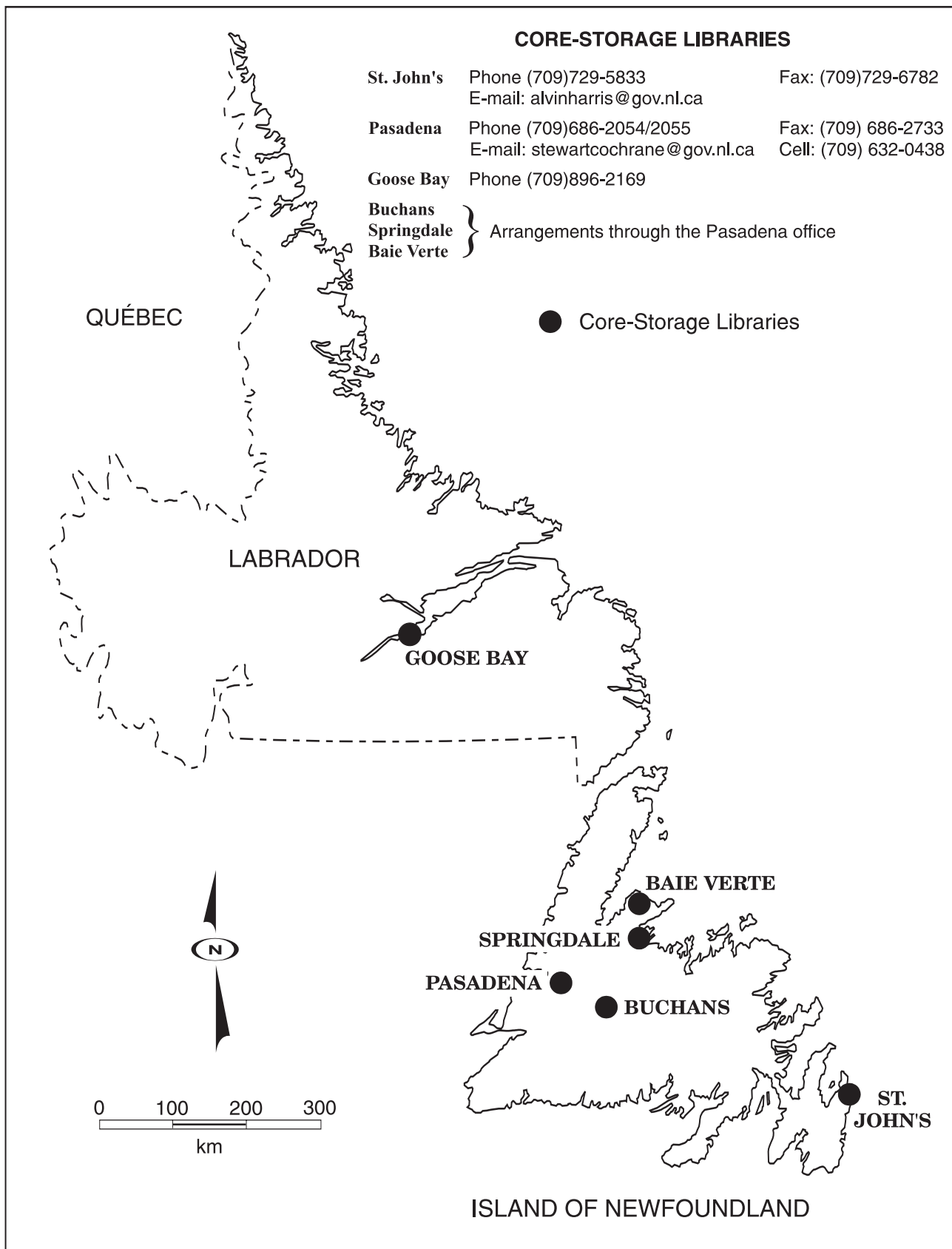


Figure 1. Core libraries in Newfoundland and Labrador.

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.

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.

PLANS FOR 2009

Plans for 2009 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.

Updates to the drillhole database will be made on a regular basis as new core is added to the core libraries; a summary of all available assay data for core samples in storage will be posted on the Department website during 2009.

The St. John's, Springdale, Baie Verte and Pasadena core libraries are full 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.

Compilation of guidelines to govern reduction of the size of the core collection in the core libraries is near completion and core-reduction activities are anticipated to begin in 2009, pending consultation with the client user group.

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

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Core-Storage Geologist (Pasadena) (Stewart Cochrane)
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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: _____