

CORE-STORAGE PROGRAM, 2006

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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 2006 and presents an overview of the operations of the core-storage program.

2006 FIELD ACTIVITIES

A total of approximately 31,800 m of new core samples (see Tables 1 and 2), were added to the Department's core collection during the period November 2005 to November 2006, bringing the total core-sample collection in storage to 1,138,803 m. All of the core samples listed in Table 1, were delivered to the provincial core libraries by mineral exploration companies.

Table 1. Drill-core acquisitions, insular Newfoundland

Company	Property	Length(m)
Cornerstone Resources	Colchester Property	3,695
Cornerstone Resources	Noel Paul's	1,078
Cornerstone Resources	Bay D'Espoir Properties	7,068
Cornerstone Resources	Red Cliff	1,691
Cornerstone Resources	Princess Prospect	361
Cornerstone Resources	Island Pond	49
Cornerstone Resources	Cape Ray Properties	675
Cornerstone Resources	Long Lake	409
Cornerstone Resources	Island Pond	812
Sino-Pacific	Burton's Pond	1,161
Kermode Resources Ltd	Jackson's Arm	5,008
Rubicon Minerals	Avalon Properties	1,782
Brilliant Mining	Michakamau Property	1,244
Prominex Resources	Tulks Property	4,000
Total		29,033

The Department conducted a two-week core collection effort in northern Labrador during August 2006 with the objective of collecting core samples representative of some of the nickel prospects drilled during the nickel exploration rush between 1995 and 2000. A total of 2,767 m of core samples, primarily the mineralized intersections, from twenty-two drillholes on ten different prospects were collected and

shipped to the Goose Bay core library. The prospects and drillholes from which core samples were collected are listed in Table 2.

All core samples in the Department's 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 wants 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 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 for all core samples in the core libraries is based on the National Topographic System

Table 2. Drill-core acquisitions, Labrador

Company	Property	Hole#	Interval
Absolut Resources	Voiseys's Bay Area 4	A4-95-03	4.4-97.0 m
		A4-95-04	3.0-118.0 m
Canadian States Resources	E Zone	96-24	10.3-272.0 m
		96-25	146.0-180.5 m
	E-Central	96-13B	5.8-35.0 m
Cartaway Resources	LB-J	LBJ-96-01	9.5-254.0 m
		LBJ-96-02	3.8-272.0 m
	LB-N (Cirque)	LBN-96-01	4.5-344 m
		LBN-96-02	4.4-290.0 m
		LBN-96-04	260.7-296.4 m
		LBN-96-05	221.8-233.1 m
		LBN-96-05	268.3-280.0 m
Castle Rock Exploration	Okak	OKG-96-03	195.3-218.0 m
		OKG-96-09	107.0-238.0 m
		OKG-96-10	84.0-249.0 m
		OKG-96-11	191.0-269.0 m
Columbia Yukon Resources	LIC-1506	1506-2	0.0-158.5 m
		1506-5	0.0-91.44 m
	VBE-1	V-97-07	701.4-745.2 m
		V-97-07	753.9-784.4 m
		V-97-07	1361.6-1400.7 m
NDT Ventures	Project 11-3	23-11	0.0-120.0 m
		26-11	470.0-520.0 m
		26-11	600.0-640.0 m
	Project 54	30-54	11.09-91.44 m
		31-54	4.57-94.49 m

(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.

All six core libraries have core examination rooms, which contain or share rock-cutting equipment, a core splitter and a stereomicroscope.

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 2007

Plans for 2007 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.

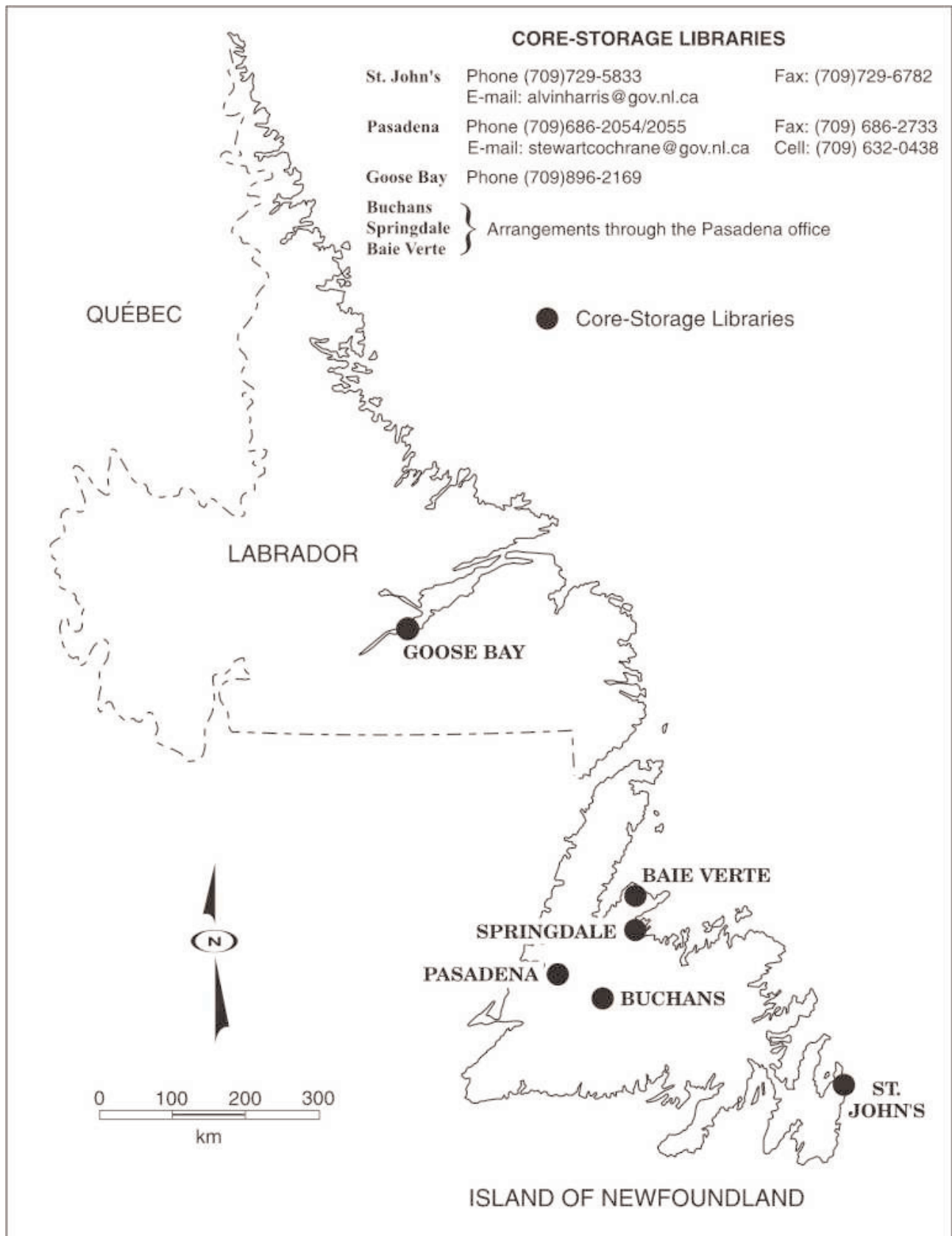


Figure 1. Core libraries in Newfoundland and Labrador.

Updates to the drillhole database will be made on a regular basis as new core is added to the core libraries and a summary of all available assay data for core samples in storage will be posted on the Department's website during 2007.

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 that would like 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.

During 2007, pending consultation with the client user group, measures to reduce the size of the core collections in the core libraries that are now full will be taken.

Anyone requiring further information on the core-storage program or who would like to visit any of the core libraries should initially contact one of the staff listed below.

Project Geologist – Core-Storage Unit (Alvin Harris)
Department of Natural Resources
P.O. Box 8700
St. John's, NL
A1C 5T7
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
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A0L 1K0
Phone: (709) 686-2054, 2055 Fax: (709) 686-2733
Cell: (709) 632-0438
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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: _____