

GEOFILE AND TECHNICAL LIBRARY COLLECTIONS AND DATABASES AT THE GEOLOGICAL SURVEY, NEWFOUNDLAND

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COLLECTIONS

There are two main collections in the Publications and Information Section of the Geological Survey—the Geofiles and the Technical Library collections. Other collections include the photo collection and the field-notes collection; both of which are in a preliminary state of development and are not discussed here.

GEOFILES

The Geofiles collection includes over 11 000 mineral-assessment reports, published reports and maps, open-file reports and maps, university theses, unpublished reports and maps, including speeches and sketch maps pertaining to the geoscience of Newfoundland and Labrador and the immediate offshore region.

In the early 1980s, due to lack of space in our Bonaventure Avenue offices, a project was begun to microfiche the Geofiles and to store offsite the original paper copies of Geofiles for which there were readable microfiche. The original paper and/or transparencies for approximately 60 percent of the Geofiles is stored offsite. Eventually, all of the Geofiles will be microfiched; however, at present only approximately 65 percent exists on microfiche duplicates. Visitors to the offices of the Geological Survey may examine microfiche and in some cases original paper of the Geofiles.

As part of the microfiche project, in the early 1980s, sets of some Geofiles on microfiche duplicates were compiled and offered for sale. All of the sets for the Island and 3 of the 7 sets for Labrador were placed at the Pasadena Core Storage for the use of visitors. This summer, 713 more Geofiles on microfiche duplicates were added to this offsite collection. As well, the ACOA/Enterprise Network Telecentre at Baie Verte agreed to maintain a small microfiche collection of Geofiles referring to the Baie Verte Peninsula. This fall, 226 Geofiles on microfiche duplicates were sent to Baie Verte. Additional Geofiles on microfiche duplicates will be sent to both offsite locations as funds become available to microfiche original documents and to make microfiche duplicates.

The Geofiles are both a historical and up-to-date collection of geoscientific documents for the province and therefore, are a valuable research and exploration tool.

TECHNICAL LIBRARY

A companion collection to the Geofiles is the Technical Library, which contains mainly geoscientific documents referring to areas other than this Province. The documents include over 2300 Geological Survey of Canada bound publications and maps, over 6000 U.S. Geological Survey bound publications and maps (mostly published since 1970), many publications from other international and provincial geological surveys, current and/or back issues for over 80 journal titles and over 800 geoscientific technical books.

Both collections are used daily by our staff and visitors. Since February 1992, we have begun to loan documents offsite to visitors but we do not have the resources to set-up a mail-out lending service. Even with these limitations, over 200 documents have been borrowed offsite since the service began.

As both collections grow continuously, new acquisitions lists are produced, which are available upon request. Since November 1993, over 500 new documents have been added to each collection.

DATABASES

Descriptions of the documents in the Geofiles collection are accessible by several in-house databases on CDS/ISIS software. Within each database, many of the information fields are inverted into one large index so a novice can search for information in any of these fast-access information fields by typing the first few letters of a word. A demonstration of the databases is available upon request. Representatives of the mineral-exploration industry and the general public visit and/or call the Publications and Information Section daily, to request searches and/or to use indexes produced from the databases. The number of requested searches on the databases has steadily increased.

GEOSCAN-NFLD

This database contains records (or descriptions) for almost 90 percent of the documents in the Geofiles. It contains 17 500 records downloaded from the national GEOSCAN database, which itself contains 194 529 records (November 1994) of geoscientific documents pertaining to the Canadian landmass and/or offshore regions and/or that are Canadian produced. There are records for both monographic

documents, e.g., *Current Research* and analytical documents, e.g., each article within a *Current Research*. Records are indexed into this national database by 15 federal, provincial, academic and professional geoscience organizations including our provincial Geological Survey. The Canadian Geoscience Information Centre (formerly the Geological Survey of Canada Library), in Ottawa, coordinates indexing activities and provides computer resources to support the national

As well as the in-house subset GEOSCAN-NFLD database, information on documents pertaining to the geoscience of this province is also available from various printed Newfoundland and Labrador GEOSCAN indexes. Computer searches are also available on the 194 125 non-confidential records in the national GEOSCAN database either at the Publications and Information Section, Geological Survey in St. John's, at the Canadian Geoscience Information

Table 1. GEOSCAN-NFLD database information fields

Note: Those preceded by * are fast-access.

accession no.	* corp. author—collect.	* map present	series designation
agency code	* corp. author—monograph.	media	* series
agency, English	country	* mining/petroleum co.	short title
agency, French	date added	* Nfld. co. name	sponsor. program
* agency	date modified	Nfld. lands info.	status
aquisition code	date—other	Nfld. transparency map no.	* subject category—code
aquisition—English expansion	degree level	Nfld. work period	subject code
aquisition—French expansion	* descriptor terms	* NTS	subject—English
* author—analytic	* document type	number of references	subject—French
author—analytic—print	edition	p weight term	summary lang.
author—collect.—print	file code	page numbers	text lang.
* author—collection	geog. ctrl.	PEI coordinates	* title—analytic
* author—monograph.	* geographic descriptions	price	title—collection
author—monograph.—print	* geol. age code	province code	* title—monograph.
availability—detail	geological age code	province—English	tp/range
availability info.	geological age—English	province—French	* unisist info.
availability/purchase point	geological age—French	* province/region code	unisist notes
availability	* GSC local file	* publication date	univ. country
claim id.	illustrations	publisher	univ. code
coden	ISSN	purchase point, address	univ. country
COGLA number	issue id.	purchase point code	univ. English
collation monograph.	issue—other id.	purchase point	univ. French
collation non serial collect'n	lat/long	related reference	univ. location
conf. date	* local file	release date	* university code
conf. location	(Geol. Surv. Geofile no.)	report no.	university
conference info.	long title	* secondary series	volume id.
content descr.	map description	serial code	work description
* corp. author—analytic			

database. Periodically, records pertaining to this province and offshore regions are downloaded and installed to update the in-house subset GEOSCAN-NFLD database.

The GEOSCAN-NFLD database provides in-house access to the records for both the monographic and analytical documents in the Geofiles through searching over 100 different bibliographic, geographic and geological information fields, 35 of which, are fast-access fields (Table 1).

Mineral-assessment reports make up about 50 percent of the Geofiles. In the sample non-confidential mineral-assessment report record (Screen 1) from the in-house subset GEOSCAN-NFLD database, note that the subjects and geological ages appear twice—abbreviated in their specific fields and non-abbreviated in the keywords field. Only some of the over 100 information fields in Table 1 are presented in the sample.

Centre in Ottawa, or at other indexing agencies across Canada.

As of July 1, 1994, the non-confidential records in the national GEOSCAN database are accessible via modem to anyone on the CAN/OLE commercial online system.

An indexing backlog, consisting of approximately 1000 published series documents, internal documents and pre-1984 mineral-assessment reports, need to be indexed into GEOSCAN. As well, the existing records for these document types need to be reviewed and upgraded. This is being done concurrent with the bibliographic and geographic indexing of new Geological Survey publications and open-files, university theses, books, periodicals and with the full indexing of new mineral-assessment reports as they are all added to the Geofiles collection.

MFN:	171472
Title:	EIGHTH AND TENTH YEAR ASSESSMENT REPORT ON GEOLOGICAL AND DIAMOND DRILLING EXPLORATION FOR LICENCE 2359E ON CLAIM BLOCKS 12290-12292, 12322-12323, 12837-12840 AND 2032 AND LICENCE 2553E ON CLAIM BLOCKS 12871, 2048, 2405 AND 2431 IN THE DUCK POND AND TALLY POND AREAS, CENTRAL NEWFOUNDLAND, 4 REPORTS
Authors:	SQUIRES, G; MACNEIL, J; MCGAUGHEY, J; DOYLE, J F
Source:	NF. & LABRADOR MINER. DEV. DIV., ASSESS. FILE 012A/0566, 339 pages, 1990
Subject:	STRAT; REGION; METMIN; ECON; STRUCT; GEOCHM; GEOPHY
Geol.Surv#:	012A/0566
Geol. Age:	CAMB; ORD
NTS:	012A/09; 012A/10
Keywords:	DRILLHOLES; EXPLORATION HISTORY; RESERVES; ALTERATION; FAULTS, THRUST; PYRITE; MINERALIZATION; CHALCO-PYRITE; SPHALERITE; MINERAL DEPOSITS; GALENA; LITHOLOGY; DEFORMATION; FAULTS; VOLCANOGENIC DEPOSITS; METALLOGENY; ORE GRADES; COPPER GEOCHEMISTRY; LEAD GEOCHEMISTRY; ZINC GEOCHEMISTRY; SILVER GEOCHEMISTRY; GOLD GEOCHEMISTRY; ALTERATION HALOS; CONDUCTORS; ICE MOVEMENT DIRECTIONS; TALLY POND VOLCANICS, NFLD; VICTORIA LAKE GP; DUCK POND DEPOSIT, NFLD; BOUNDARY DEPOSIT, NFLD; SLEEPER ZONES, NFLD; LOWER DUCK DEPOSIT, NFLD; E M SURVEYS, DOWNHOLE; SEISMIC SURVEYS, DOWNHOLE; DRILL CORE GEOCHEMISTRY; SEISMIC TOMOGRAPHY SURVEYS; CAMBRIAN; ORDOVICIAN; STRATIGRAPHY; REGIONAL GEOLOGY; METALLIC MINERALS; ECONOMIC GEOLOGY; STRUCTURAL GEOLOGY; GEOCHEMISTRY; GEOPHYSICS; NEWFOUNDLAND
Areas:	TALLY POND, NFLD; DUCK POND, NFLD
Companies:	NORANDA EXPLORATION COMPANY LIMITED; CRONE GEOPHYSICS LIMITED; BHP ENGINEERING; CHEMEX LABS LIMITED; X-RAY ASSAY LABORATORIES LIMITED; BP RESOURCES CANADA LIMITED
Work Performed:	26 DDH 11,291.6 M
Illustrations:	TOMOGRAMS; DRILLHOLE LOGS; E M PROFILES; DRILLHOLE SECTIONS
Mineral Lands:	Nature of property holding: LICENCE Type of property holding: EXTENDED Number: LICENCE 002359E; LICENCE 002553E Total number of claims 101 Other information 8TH [2553E] AND 10TH [2359E] YR ASSESS

Screen 1. A mineral-assessment report record from the GEOSCAN-NFLD database.

DRILL

Begun in 1988, the DRILL database contains 21 974 records (November 1994) for drillholes from non-confidential Geofiles. Newer records contain more information fields. In 1989, approximately 2000 records were downloaded from the Newfoundland Drill-Core Database (see Harris and Cochrane, *this volume*). Searching is possible on over 40 information fields, 19 of which are fast-access fields (Table 2).

Table 2. DRILL database information fields

Note: Those preceded by * are fast-access; those preceded by + are only in records downloaded from the Newfoundland Drill Core Database.

+ azimuth	length (meters)
* company	+ longitude
date added	+ mineral occurrence no.
date modified	* mineral lands information
date proofread and initials	notes
+ depth to overburden	* NTS
+ dip	* presentation-
* downhole geophysics type	geochemical analyses
+ drill core no. of boxes stored	* presentation- log
+ drill core date stored	* presentation- map
+ drill core diameter size	* presentation- section
+ drill core I.D. no.	* presentation- text only
+ drill core library	* property term
+ drill core percent stored	*+ property term- drill core
+ drill core rack location	database
drillhole no.- alternate	* province/region code
* drillhole no.- by company	* release date
* drillhole no.- sorting	* type of drilling
+ elevation	+ UTM easting
* geographic area	+ UTM northing
* Geol. Surv. Geofile no.	+ UTM zone
+ latitude	* year of drilling
length (feet)	

The information in the DRILL database record is *specific* to an individual drillhole and supplements the information on drillholes in the GEOSCAN database records. Compare a sample DRILL database record (Screen 2) to the related non-confidential mineral-assessment report record (Screen 1) from the GEOSCAN-NFLD database. In the GEOSCAN-NFLD database record, note that the title mentions drilling, that the keywords include terms such as drillholes and drillhole geochemistry and that the work-performed field indicates the total number of drillholes and total length of drillholes reported in the mineral-assessment report. In the DRILL database record presented in Screen 2, just one of the 26 drillholes noted in the work-performed field in the GEOSCAN-NFLD database record is described in detail, e.g., length of specific drillhole, all the Geological Survey Geofiles in which the drillhole is described. The GEOSCAN-NFLD database record indicates if there are drillhole sections in the Geofile described in the record; the DRILL database record indicates if there is a drillhole section for a specific drillhole.

There are another 25 records in the DRILL database for each of the other drillholes mentioned in the GEOSCAN-NFLD database record for the mineral-assessment report in Screen 1.

In the DRILL database, there is complete coverage for information from post-1984 non-confidential mineral-assessment reports. The database is continuously updated as older drillholes are reviewed and/or as newer drillholes are released from confidential status. About 65 percent of the Geofiles with drillhole information have been reviewed to date.

MFN	015382
NTS	012A/09; 012A/10
Drillhole no. -by company	DP-88-153
Drillhole no. -for sorting	DP-88-153
Presentation	SECTION
Presentation	LOG
Presentation	ANALYSES
Downhole geophysics type	DOWNHOLE GEOPHYSICAL SURVEY
Length in meters	979.6 M
Year of drilling	1988
Geol. Surv. Geofile no.	012A/0484; 012A/0524; 012A/0566
Geographic area	DUCK POND
Property term	DUCK DEPOSIT
Mineral Lands information	LICENCE 2359E
Notes	DEEPENED 355.7 (DP-88-153A)
Province/region code	NFLD

Screen 2. A DRILL database record.

MINLAND

Begun in 1988, the MINLAND database contains Mineral Lands information from mineral-assessment reports in the Geofiles. There is complete coverage for post-1984 confidential and non-confidential mineral-assessment reports. The current 5058 short records (November 1994) are *specific* to a licence, fee simple grant, lot, concession or other Mineral Rights property name and/or number. The Mines Branch Mineral Rights database has more information per licence but does not have pre-1980 information or Geological Survey Geofile numbers for mineral-assessment reports describing the properties. The MINLAND database is updated continuously as new mineral-assessment reports are received. It provides the most up-to-date access to mineral-assessment reports in the Geofiles by searching on any of 6 fast-access information fields (Table 3).

Table 3. MINLAND database information fields

Note: Those preceded by * are fast-access.

* claim and claim block no.	mining properties
* date added	notes
* geographic area	* NTS
* Geol. Surv. Geofile no.	* ownership
* mineral rights title name or number	

Compare a sample MINLAND database record (Screen 3) to the sample non-confidential mineral-assessment report

record (Screen 1) from the GEOSCAN-NFLD database. In the GEOSCAN-NFLD database record, note that the title contains Mineral Lands information and that there is also a Mineral Lands field. In the MINLAND database record that follows, just one of the Mineral Lands properties mentioned in the GEOSCAN-NFLD database record is described. The GEOSCAN-NFLD database record mentions all the Mineral Rights properties described in a mineral-assessment report; the MINLAND database record has information on just one property but indicates what other mineral-assessment reports describe the same property, and whether this property was replaced, regrouped, etc.

LICENCE 02359, EXTENDED	CB 2032; CL 12290-12292; CL 12322-12323; CL 12837-12840
Geofile Number(s)	
	12A/09/0368[4th yr]
	12A/09/0410[5th yr]
	12A/09/0501[8th yr]
	12A/0524[9th yr]
	12A/0566[10th yr]
Geographic Area(s)	
	DUCK POND
	GILLS HILL
	STEADY POND
	TALLY POND
	TROUT POND
NTS	
	12A/09
Ownership	
	NORANDA EXPLORATION COMPANY LIMITED
Notes	
	REPLACES LICENCE 12021; MINING LEASE APPLIED FOR
MFN: 0602	

Screen 3. A MINLAND database record.

GEOLIB

This bibliographic database contains 8668 short records (November, 1994) for 40 percent of the monographic documents in the Geological Survey Technical Library, as well as short records describing the latest documents added to the Geofiles. Most of the library documents received since 1987 are represented in the database; records for the earlier documents are being added as time permits.

The database provides searching access through over 40 information fields listed in Table 4.

The Geolib database is used to produce acquisition reports for newly received documents, to perform searches on the documents in the Geological Survey Technical Library and to perform searches on the latest documents added to the Geofiles before records for these Geofiles are added to the national GEOSCAN database and then downloaded to update the GEOSCAN-NFLD subset database. The Geolib database is currently installed on the InMagic, Version 7.2 software and is updated continuously. A sample record follows in Screen 4.

Table 4. Geolib database information fields

Note: Those preceded by * are fast-access.

* acronym	* IDPrint
* author-analytic	* in GEOSCAN indicator
* author-corporate	* ISBN
* author-monographic	* ISSN
* call number	* mineral licence
* conference	* literature type
* confidential status	* location
* corporate source	* notes
* country of publication	* NTS
cross reference—see-also	* number of copies
cross reference—see	physical description
* date-added	publisher place
* date-confidential release	* publisher
* date-publication	* secondary series code
* degree level	* secondary series title and number
* descriptors	* series title and number
* document type	* series code
* edition statement	* title-analytic
* hanging map number	* title-monographic
* holdings information	* title-subtitle
* ID	

Contacts

For further information on collections and databases at the Publications and Information Section, Geological Survey contact:

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To purchase copies of non-confidential Geofiles contact:

Norman Mercer: Telephone (709) 729-6193; Fax (709) 729-3493; email nlm@zeppo.geosurv.gov.nf.ca

REFERENCE

Harris, A. and Cochrane, S.

This volume: Core-storage program, 1994.

LOCN	LIBRARY
ID/I	940
DT	July 1994
DOC	Book
ISBN	0-88757-122-0
TI	Rising to the Surface: Emerging groundwater Policy Trends in Canada
AU	Karvinen, W. O.; McAllister, M. L.
AUC	Centre for Resource Studies
CP	CAN Ontario
CL	333.91'04'09713 KAR 1994
PUB	Queen's University
PL	Ontario
DE	Groundwater—Government Policy—Canada ; Groundwater—Law and Legislation—Canada
PD	Bibliographic references
PRE	October 14, 1994

Screen 4. A geolib database record.