

CORE STORAGE PROGRAM, 1984

by

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During 1979, the Newfoundland Department of Mines and Energy started a drill core collection and storage program. The objective is to provide well maintained and representative collections of drill core from as many drilling programs as possible for the future use of the mineral exploration industry, government geoscientists, university geoscientists and other geotechnical people.

DRILL CORE COLLECTION

During the 1984 field season, drill core collection continued in insular Newfoundland, and abandoned drill sites in western Labrador were inspected and core identified for collection in 1985. In insular Newfoundland, 7,566 m of core was collected from thirteen projects and in western Labrador 1,920 m of core from four projects was identified for collection in 1985. To date, the core storage program has collected 149,012 m of drill core, of which 121,099 m is classified as "open" and is available for inspection by interested persons. Figures 1 and 2 show the locations of all sites from which core has been collected and Tables 1 and 2 provide a list of the collected core.

The core storage program is presently storing 27,913 m of core from ten drilling projects on a confidential basis. Requests for confidential storage are treated individually. Conditions and terms of confidential storage are tied to land status and are similar to the terms and conditions of confidentiality which apply to assessment reports.

The Mineral Regulations regarding drill core read as shown in Appendix I. No changes to these Regulations are planned.

DRILL CORE LIBRARIES

The Department of Mines and Energy operates three drill core libraries, located in St. John's, Pasadena and Goose Bay.

The St. John's library is staffed on a full-time basis, except during the field season. It has a capacity of 60,000 m of drill core. Approximately 12,000 m of drill

core has been catalogued and placed on the rack system to date. Most of this core is from eastern Newfoundland, from the St. Lawrence area and the "silica survey" drilling conducted by the provincial government during the 1960's. Drill core logs and location maps have been prepared for catalogued core. The St. John's library also contains rock cutting equipment, core splitters, a stereomicroscope, a magnetic susceptibility meter, a resistivity meter, an ultraviolet light and a McPhar TV-1 scintillometer. This facility and equipment is available for use on approved projects by exploration geologists, university researchers, the staff of the Department of Mines and Energy and other interested persons.

The Pasadena core library is also staffed on a full-time basis. This library has equipment and facilities similar to the St. John's library and has a capacity of 200,000 m of core. It has a ventilated room for storing radioactive core and a humidity-controlled room for storing salt core. There are approximately 121,000 m of core presently stored in the Pasadena library, collected from drilling sites west of Gander.

The Goose Bay core library, which contains core from Labrador, though not staffed full-time, has a capacity of 60,000 m of core, with room for expansion. Approximately 8,600 m of core have been catalogued and placed on the rack system to date.

PLANS

Plans include completion of cataloguing and indexing of all open core in the three libraries by mid-1985 and continuing collection programs, with emphasis on St. John's and Pasadena during the off-season. The production of drill hole location maps for all open core in the three libraries is scheduled for 1985. We encourage explorationists to use our facilities for core storage and related research. There is space available in all three libraries for confidential storage.

An index of all open core in the three libraries is available.

TABLE 1: SUMMARY OF CORE COLLECTED TO DATE - INSULAR NEWFOUNDLAND

No.	Company	Year	Property	# of Holes	Total Metres	Storage Location
1	Advocate	1967	Rambler	2	1,193.0	P
2	Amax	1976	Fischells Area	2	1,420.3	P
3	Amoco	1978	Burnt Pond	4	609.6	P
4	Beth Canada	1978	Springer's Hill	10	911.7	P
5	Boylen-Cerro		Colchester	18	1,379.2	P
6	Canadian Ref.	1970	Aguathuna	13	850.1	P
7	Chevron	1979	Eddies Cove	11	481.6	P
8	Cominco-Hansa	1973(?)	Bobby's Pond	5	431.6	P
9	Hooker Chemical	1968	Fischells	1	173.4	SJ
10	HBOG	1978	Gt. Rattling Bk.	11	818.6	P
11	HBOG	1978	Reid Lot 223	5	306.3	P
12	HBOG	1978	Reid Lot 225	2	117.0	P
13	HBOG	1978	Top Pond	1	47.1	P
14	Internat. Mogul	1974	Campbellton Area	15	1,394.5	P
15	Internat. Mogul	1975	Gander Area	12	708.7	P
16	Minorex	1978	Atlantic Lake	6	439.5	P
17	Nfld. Mines Br.		Port au Port	?	811.5	P
18	Noranda	1972	Point Leamington	3	265.8	P
19	Noranda	1973	Gullbridge	1	54.9	P
20	Noranda	1975	Leonard's Lake	3	388.6	P
21	Noranda	1975-78	Tally Pond	2	489.2	P
22	Noranda	1978	Burnt Pond	2	165.0	P
08	Noranda	1978	Bobby's Pond	4	320.6	P
23	Shell Can. Res.	1975-76	Main Brook Area	32	1,859.3	P
24	Texas Gulf	1975	Seal Bay	8	1,104.9	P
19	Gullbridge Mines	?	Gullbridge	213	12,473.9	P
25	Consol. Morr.	1976	Lake Bond	2	419.1	P
26	L.M. & E.	?	Lake Ambrose	6	647.7	SJ
27	Kerr Addison	1974-75	Victoria Area	5	655.3	P
28	Shawmont	1977-78	Hinds Brook	28	822.9	P
29	Advocate	?	Priests Showing	8	774.8	P
30	Advocate	?	Nippers Harbour	7	946.1	P
31	Advocate	1976	West Pond	3	144.7	P
32	Advocate	1975	Flatwater Pond	11	907.6	P
33	ALCAN	?	St. Lawrence	?	8,153.4	SJ
34	D.S. Robertson	?	Mt. Margaret Area	?	4,463.8	SJ
35	D.S. Robertson	?	Lawn Area	?		SJ
36	Noranda	?	Round Pond Area	?	?	P
37	RIOCANEX	1976	Cold Spring Pond	1	30.0	SJ
38	Falconbridge	1979	Strickland Property	?	4,427.2	P
39	Falconbridge	1981	Burgeon Road	16	1,059.2	P
40	Long Lac Min.	1968	Strickland Property	18	975.3	P
41	Minorex	1978-80	Deer Lake	25	1,993.3	P
42	U.S. Borax	1979	Hidden Pond	11	237.6	P
43	Nfld. Mines Branch	1960's	Fortune (Silica)	3	199.9	SJ
44	Nfld. Mines Branch	1960's	Long Harbour (Silica)	6	232.5	SJ
45	Nfld. Mines Branch	1960's	Argentia (Silica)	11	731.6	SJ
46	Nfld. Mines Branch	1960's	Thornlea (Silica)	6	230.9	SJ
47	Nfld. Mines Branch	1960's	Bellevue (Silica)	7	187.1	SJ
48	Nfld. Mines Branch	1960's	Long Cove (Silica)	4	164.1	SJ
49	Nfld. Mines Branch	1960's	Grey River (Silica)	6	256.2	SJ
50	Nfld. Mines Branch	1960's	Bonne Bay (Silica)	4	197.2	SJ
51	U.S. Borax	1981	Daniels Harbour	2	804.6	P
52	Minorex	1981	Silverdale	7	203.6	P
53	Minorex	1979-80	Deer Lake	?	109.7	P
54+	Westfield Minerals	1978-81	Deer Lake	130	8,314.9	P
55+	Northgate Expl.	1979	Deer Lake	16	2,511.5	P
56	RIOCANEX	1978-81	Cape Ray	171	20,461.0	P
57	Essex	1981	Watts Bight	4	609.6	P
58	Shell Can. Res.	1980	Codroy Valley	6	890.0	P
59+	Flintkote	1979-80	Flat Bay	?	3,214.0	P
60+	Newmont	1981	Tilt Cove	6	864.1	P
61+	Rambler Mines	?	Ming Mine	64	19,150.0	P

TABLE 1: (Cont'd)

No.	Company	Year	Property	# of Holes	Total Metres	Storage Location	
62	BRINEX	?	Whalesback	235	12,226.0	P	
63	RIOCANEX	1976	Great Burnt Lake	9	1,463.0	P	
64	St. Joe Can.	1982	Big Pond	9	707.0	P	
65	Billiton	1981	Ghost Pond	3	668.0	P	
66+	Esso Minerals	1982	Ackley Granite	5	280.0	SJ	
67	HBOG	1980	Gander Lake South	7	296.1	P	
68	HBOG	1980	New Bay Pond	6	356.8	P	
69	NAREX ORE SEARCH	1983	Round Pond	21	402.3	P	
70	U.S. Borax	1983	Handcamp	7	683.8	P	
71	Falconbridge	1979	Handcamp	9	730.6	P	
72	Eldorado Nuclear	1979	Portland Creek	1	113.1	P	
73	Westfield Minerals	1978	Wigwam Brook	12	576.0	P	
74	Dupont Canada Expl.	1983	Gullbridge	2	312.0	P	
75	Nfld. Mines Branch	1983	Robinson's River	1	343.2	P	
76-80	Confidential Storage	1983-4	Southwest Nfld.	34	4,405.0	P	
					Total	138,769.3	

Key

- P - Pasadena Core Library
- SJ - St. John's Core Library
- + - Temporary Confidential Storage

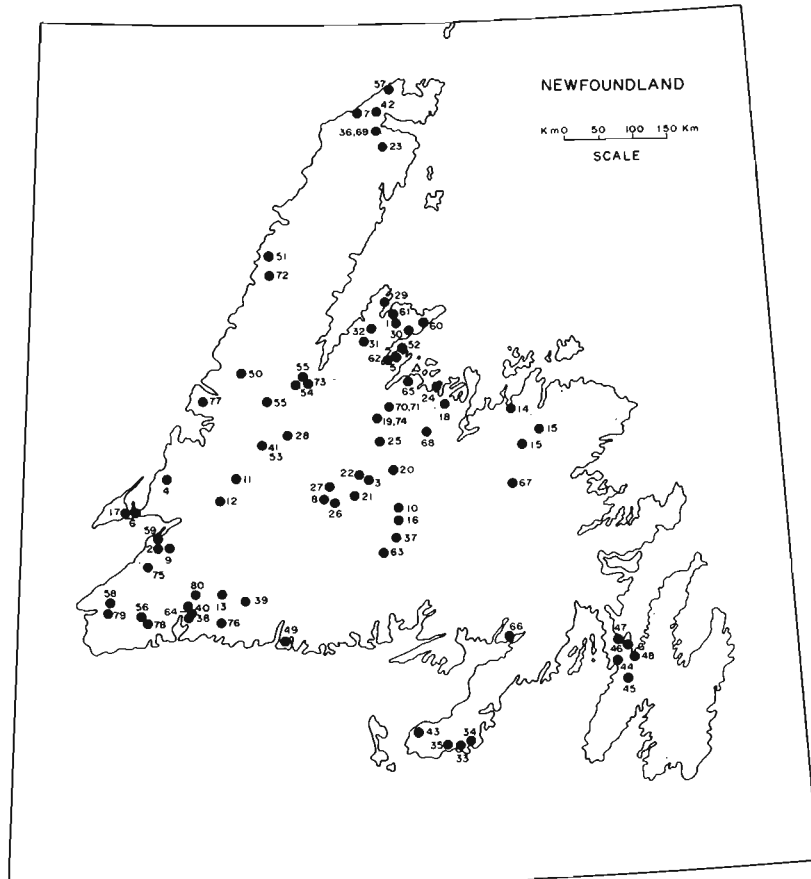


Figure 1: Core collection sites, insular Newfoundland

TABLE 2: SUMMARY OF CORE COLLECTED TO DATE - LABRADOR

No.	Company	Year	Property	# of Holes	Total Metres	Storage Location
1	American Metal Co.	1954	Green Pond	3	16.7	GB
2	BRINEX	1972	Seal Lake	19	1,333.5	GB
3	Canadian Nickel Co.	1978-80	Moran Lake	30	2,103.1	GB
4	Mokta Can. Ltd.	1965	Moran Lake	8	220.9	GB
5	Northgate Explor. Ltd.	1980	Lake Melville	8	652.2	GB
6	Placer Devel. Ltd.	1980-81	Banana Lake	11	655.3	GB
7	RIOCANEX	1961	Ten Mile Lake	4	197.5	P
8	Shell Can. Res.	1977-79	Moran Lake	61	3,822.2	GB
9	Shell Can. Res.	1977	Sylvia Lake	3	99.4	GB
10	Shell Can. Res.	1977	Madsen Lake	2	114.8	GB
11	Nfld. and Lab. Hydro	?	Gull Island		1,037.8	GB

Total 10,253.4 m

Key

GB - Goose Bay Library
 P - Pasadena Library

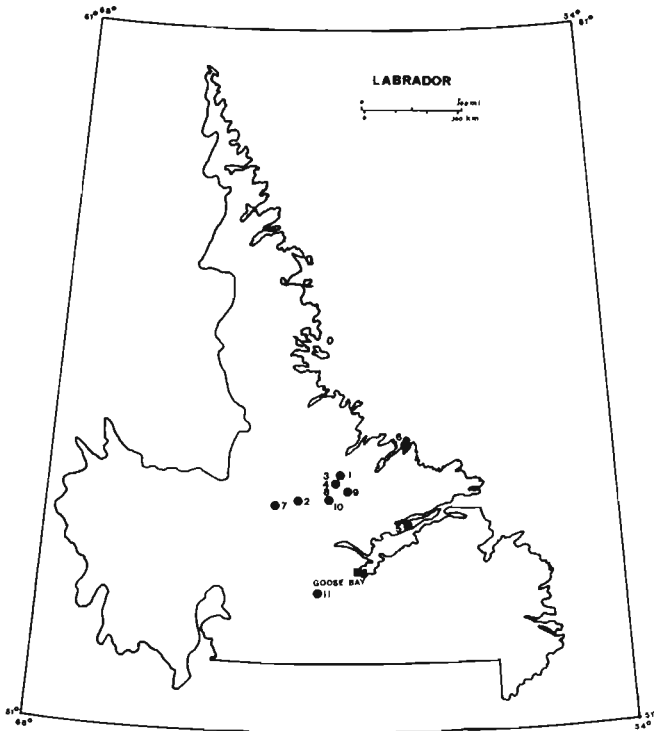


Figure 2: Core collection sites, Labrador

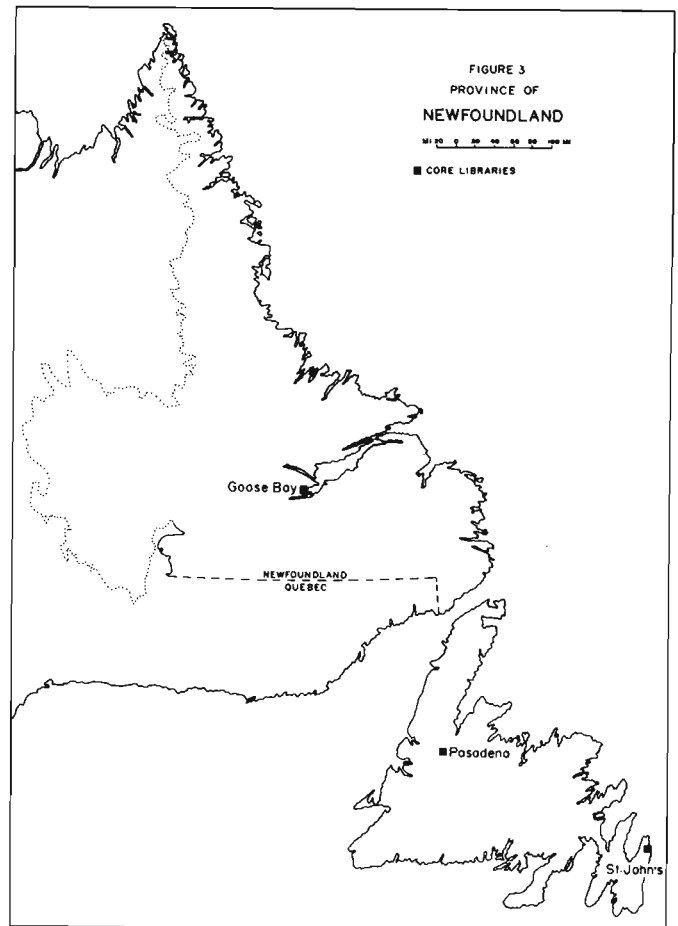


Figure 3: Core libraries in the province of Newfoundland and Labrador

APPENDIX I

MINERAL REGULATIONS RE: DRILL CORE

Preservation
of diamond
drill core

64. No person, whether a holder of mineral rights issued under this Act or these Regulations or not, shall intentionally abandon, discard, dump, destroy or otherwise reduce the original technical value of any diamond drill core or rotary drill cuttings obtained for information purposes within the Province or remove same from the Province, except for those sections submitted for assaying, testing, microscopic, metallurgical and beneficiation studies, without the permission of the Minister.

Minister may
allow disposal
or obtain core
for Crown

65.(1) All persons proposing to dispose of any diamond drill core in their possession or lodged with them for safekeeping, shall notify the Minister of their desire to do so and upon receipt of such notification the Minister

- (a) shall provide such persons with permission in accordance with regulation 64 or
- (b) may direct his authorized representative to take possession of such drill core for the Crown and take such other action as he may deem necessary.

(2) The actions directed by the Minister under paragraph (1) shall be undertaken at the expense of the Crown.