

DRILL CORE STORAGE PROGRAM

by

C.J. Collins and B. Burt

During the 1980 field season, a program of diamond drill core collection was carried out. The emphasis this season was placed on insular Newfoundland with just two weeks spent in Labrador doing reconnaissance work. Field work consisted mainly of checking the sites of old diamond drilling. Many of these sites were more than twenty years old and did not yield any salvageable core. However, approximately 20,000 metres of core were collected (Table I). Most of this core has been placed in temporary storage facilities at Pasadena.

Construction of the St. John's core library has now been completed. We expect to start moving core into it this winter. The core library is located off Torbay Road near the airport (Figure 1). It has an approximate area of 450 square metres and storage capacity for approximately 60,000 metres of drill core as well as facilities for the storage of representative rock collections from geological mapping programs and mineral deposit suites. It has a laboratory for examining core and equipment for splitting, cutting and polishing samples. There will also be microscopes and photographic equipment for detailed petrographic work. Geoscience files, including drill logs, location plans, sections and indexes will be available for inspection.

These facilities will be available for use by exploration geologists, university researchers, the staff of the Department, and other interested persons.

Plans are also underway for core libraries at Deer Lake (Pasadena) and Goose Bay (Figure 2). A site near the "Dept. of Tourism" building in Pasadena has been chosen for that core library and funds for construction have been approved. It is hoped that construction can be started in the spring of 1981 with occupancy by the fall of 1981. This building will have an area of about 1000 square metres, adequate for the storage of about 200,000 metres of core.

In Goose Bay, it is planned to renovate an existing building on the old air base. A building has been selected and efforts are now being made to acquire the rights to it. This building is particularly suitable for core storage and can be used immediately for temporary storage of Labrador core. It has an area of about 600 square metres. We hope to renovate this building and have it operational as a permanent core library by the end of 1981.

Besides the construction, renovations, and core collection programs, our plans for 1981 include organizing the St. John's core library and developing a computerized diamond drill hole index (or inventory) system. To date, the collection program has accumulated more than 45,000 metres of drill core (Table I). The core is of a variety of sizes from various locations throughout the province (Figure 3). Of the total amount, approximately 15,000 metres are stored in St. John's with the remainder being temporarily stored at Springdale, Pasadena, and Goose Bay.

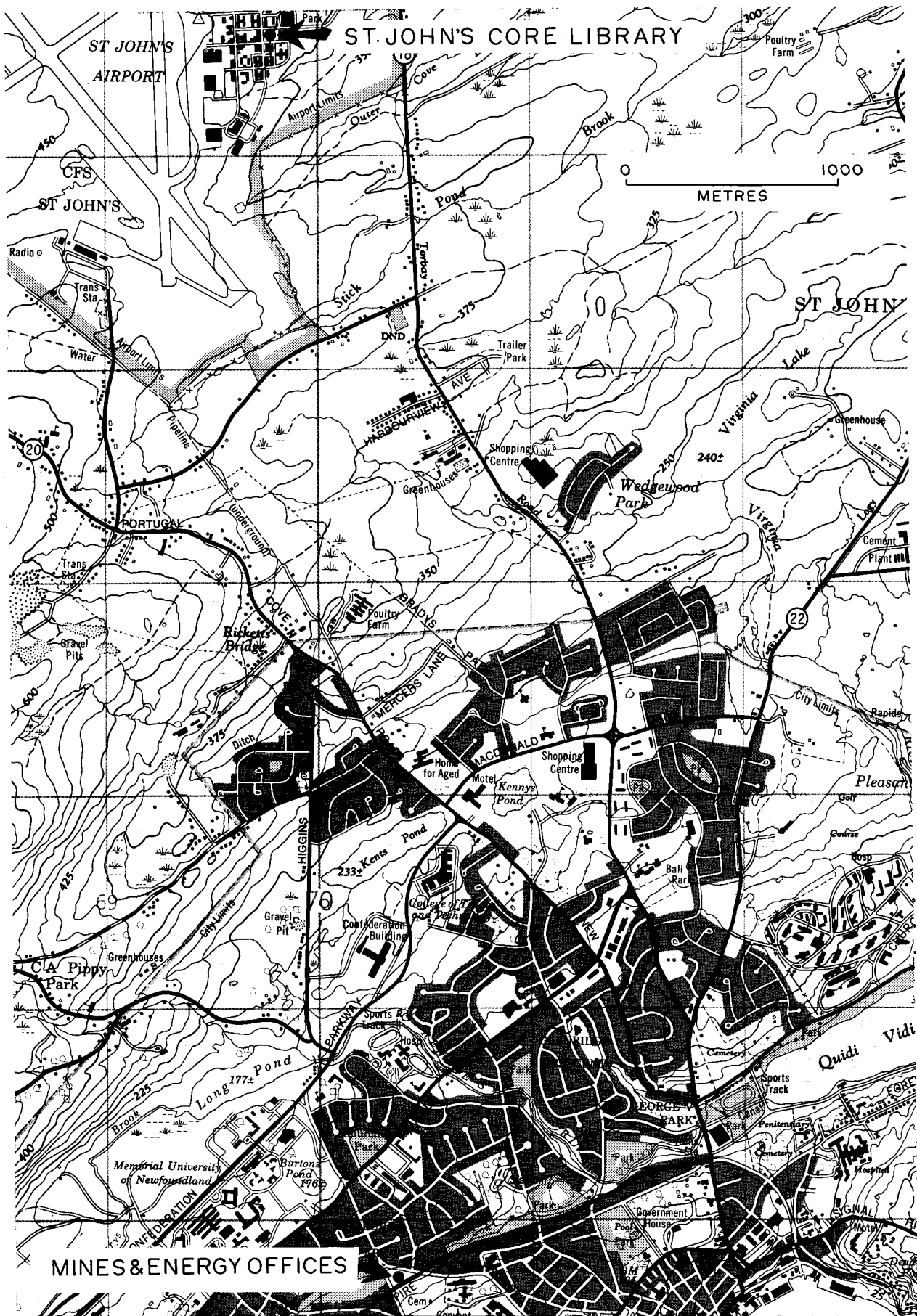
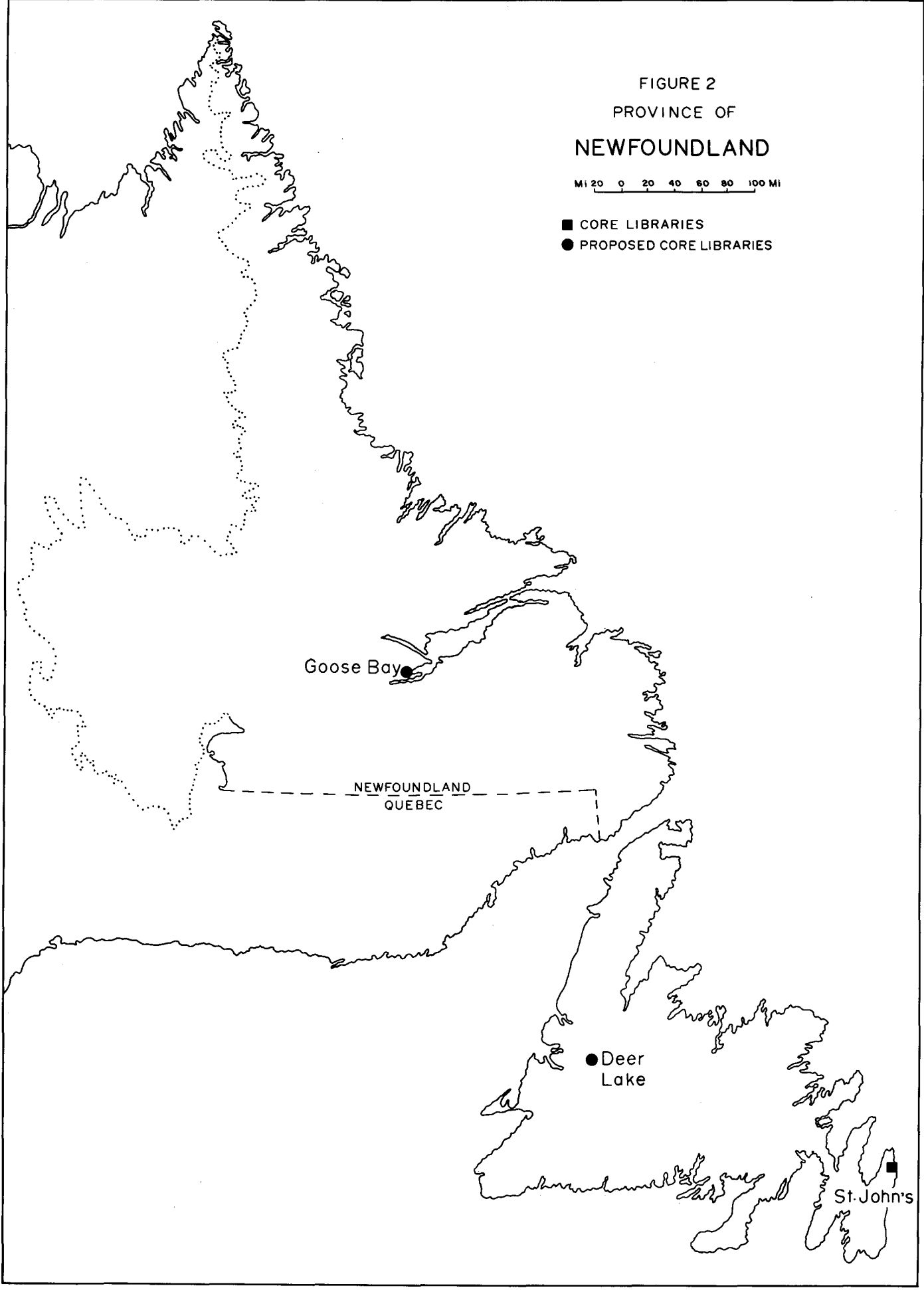


FIGURE I. MAP SHOWING LOCATION OF ST. JOHN'S CORE LIBRARY AND MINES & ENERGY OFFICES.

FIGURE 2
PROVINCE OF
NEWFOUNDLAND

Mi 20 0 20 40 60 80 100 Mi

- CORE LIBRARIES
- PROPOSED CORE LIBRARIES



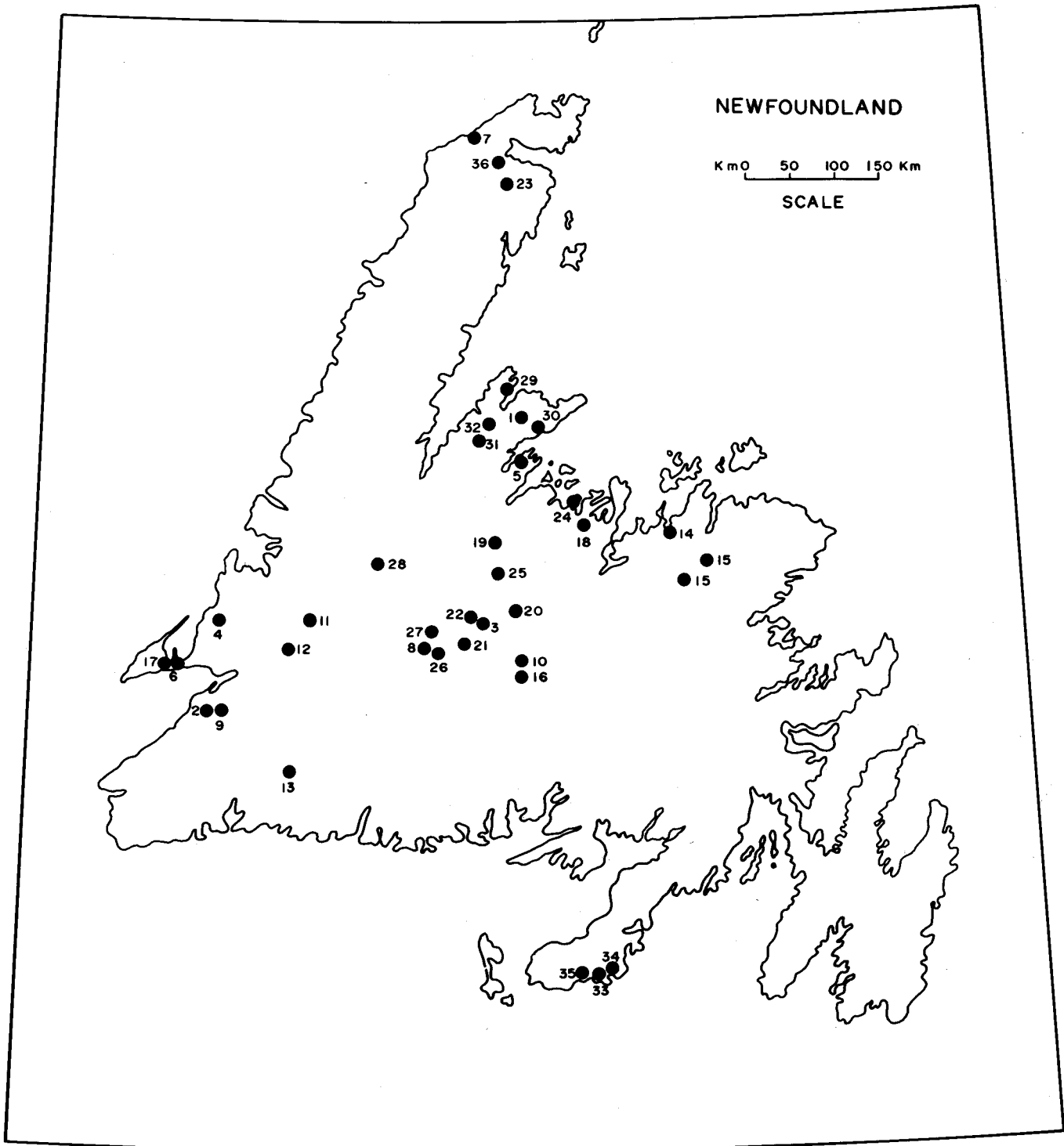


FIGURE 3. CORE COLLECTION SITES

TABLE I
SUMMARY OF CORE COLLECTED TO DATE

No.	Company	Year	Property	# of Holes	Total Metres
1	Advocate	1967	Rambler	2	1, 193.0
2	Amax	1976	Fischells Area	2	1, 420.3
3	Amoco	1978	Burnt Pond	4	609.6
4	Beth Canada	1978	Springer's Hill	10	911.7
5	Boylen-Cerro		Colchester	18	1, 379.2
6	Canadian Refractories	1970	Aguathuna	13	850.1
7	Chevron	1979	Eddies Cove	11	481.6
8	Cominco-Hansa	1973(?)	Bobby's Pond	5	431.6
9	Hooker Chemical	1968	Fischells	1	173.4
10	HBOG	1978	Gt. Rattling Bk.	11	818.6
11	HBOG	1978	Reid Lot 223	5	306.3
12	HBOG	1978	Reid Lot 225	2	117.0
13	HBOG	1978	Top Pond	1	47.1
14	International Mogul	1974	Campbellton Area	15	1, 394.5
15	International Mogul	1975	Gander Area	12	708.7
16	Minorex	1978	Atlantic Lake	6	439.5
17	Nfld. Dept. of Mines		Port au Port	?	811.5
18	Noranda	1972	Point Leamington	3	265.8
19	Noranda	1973	Gullbridge	1	54.9
20	Noranda	1975	Leonard's Lake	3	388.6
21	Noranda	1975-78	Tally Pond	4	489.2
22	Noranda	1978	Burnt Pond	2	165.0
08	Noranda	1978	Bobby's Pond	4	320.6
23	Shell	1975-76	Main Brook Area	32	1, 859.3
24	Texas Gulf	1975	Seal Bay	8	1, 104.9
19*	Gullbridge Mines	?	Gullbridge	213	12, 473.9
25*	Consolidated Morrison	1976	Lake Bond	2	419.1
26*	L.M. & E.	?	Lake Ambrose	6	647.7
27*	Kerr Addison	1974-75	Victoria Area	5	655.3
28*	Shawmont	1977-78	Hinds Brook	28	822.9
29*	Advocate	?	Priests Showing	8	774.8
30*	Advocate	?	Nippers Harbour	7	946.1
31*	Advocate	1976	West Pond	3	144.7
32*	Advocate	1975	Flatwater Pond	11	907.6
33	ALCAN	?	St. Lawrence	?	8, 153.4
34	David S. Robertson	?	Mt. Margaret Area	?	4, 463.8
35	David S. Robertson	?	Lawn Area	?	
36	Noranda	?	Round Pond Area	?	?
TOTAL.				47	151.3 m

* collected in 1980