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DEPARTMENT OF TRADE AND COMMERCE
 DOMINION BUREAU OF STATISTICS
 MINING, METALLURGICAL AND CHEMICAL BRANCH
 OTTAWA - CANADA

DOMINION BUREAU OF STATISTICS

SEP 2 1944

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CONTRACT DIAMOND DRILLING INDUSTRY, 1943

Firms reporting to the Dominion Bureau of Statistics as having been actively engaged in contract diamond drilling operations in 1943 totalled 27 compared with 28 in 1942. Drilling was conducted in Nova Scotia, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Northwest Territories. The footage drilled in the Dominion in 1943 totalled 2,649,708 compared with 2,960,364 in the preceeding year. Of the 1943 total, 53.5 per cent was completed in Ontario, 32.2 per cent in Quebec and 10.8 per cent in British Columbia. The total income received by the industry from contract drilling operations during the year under review amounted to \$3,072,481. The average number of employees in 1943 totalled 896 and \$1,493,944 were distributed in salaries and wages.

The diamond drilling industry as a whole purchased in 1943, borsts, carbons, readysset and castset bits, etc., valued at \$637,070 as against a value of \$634,233 in 1942. Of the 1943 purchases \$178,249 represented stones in the form of cast or ready-set bits.

Equipment reported by contractors included 312 steam or air driven drills, 264 gas, oil and gasoline drills and 3 electric drills.

Not included in this survey are data relating to the drilling of gas and oil wells and diamond drilling conducted by Canadian mining companies with their own personnel and equipment. Statistics relating to these particular operations are combined with those pertaining to the Canadian mining industry proper. However, this report is including, for the first time, supplemental tables showing separately the footage diamond drilled on metalliferous deposits by both contract diamond drillers and mine operators. From data made available it is estimated that this drilling in 1943 comprised 691,050 feet completed for exploration and testing by mining companies with their own equipment and 1,949,825 feet by contractors. In addition, blast hole diamond drilling on these deposits included 1,294,735 feet by the mining companies and 720,603 feet by contractors.

Table I CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1942 (x)

Province	Footage drilled	Income from drilling	Average number of employees	Total wages paid
		\$		\$
Nova Scotia	11,237	15,140	16	10,285
New Brunswick	25,171	34,056	20	23,392
Quebec	977,295	1,004,674	290	500,624
Ontario	1,536,954	1,554,116	553	815,821
Manitoba	91,999	146,309	29	54,143
Saskatchewan	11,335	11,902	4	9,566
Alberta .....	...	...	...	...
British Columbia	279,152	360,450	100	177,724
Yukon .....	...	...	...	...
Northwest Territories ..	27,221	20,885	7	5,485
CANADA	2,960,364	3,147,532	1,019	1,597,040
Value of stones, readysset and cast set bits purchased, by contractors, 1942				\$634,233

(x) By contractors only and includes diamond drilling for all purposes

Table 2.— CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1943 (x)

Province	Footage drilled	Income from drilling	Average number of employees	Total salaries and wages paid
		\$		\$
Nova Scotia	957	1,795	5	1,664
New Brunswick .....	...	...	...	...
Quebec	852,801	827,742	231	413,453
Ontario	1,417,935	1,763,124	508	820,591
Manitoba	35,844	43,357	18	23,561
Saskatchewan	34,860	40,951	15	20,140
Alberta	7,078	34,497	14	13,757
British Columbia	286,331	344,064	101	194,439
Yukon .....	...	...	...	...
Northwest Territories ..	13,902	16,951	4	6,339
CANADA	2,649,708	3,072,481	896	1,493,944

Value of stones, readysset and castset bits purchased, by contractors, 1943: \$637,070

(x) By contractors only and includes diamond drilling for all purposes.

Table 3.— DRILLING COMPLETED ON AURIFEROUS QUARTZ DEPOSITS (GOLD MINES) IN CANADA 1943

	Footage drilled
<u>Diamond drilling for exploration and testing</u>	
By Mining Companies with their own personnel and equipment	543,062
By diamond drilling contractors	1,321,727(x)
<u>Other Diamond Drilling</u>	
<u>Blast Hole Diamond Drilling:</u>	
By mining companies with their own personnel and equipment	97,298
By diamond drilling contractors	591,598(x)
Drilling by Percussion or other machines	20,014,708(a)

(x) Included in Table II (a) not complete as records are unavailable at certain mines.

Table 4.— DRILLING COMPLETED ON COPPER-GOLD-SILVER AND NICKEL-COPPER DEPOSITS IN CANADA, 1943.

	Footage drilled
<u>Diamond Drilling for Exploration and Testing</u>	
By Mining Companies with their own personnel and equipment	109,703
By Diamond drilling contractors	283,028(x)
<u>Other Diamond Drilling</u>	
<u>Blast Hole diamond drilling:</u>	
By mining companies with their own personnel and equipment	1,197,437
By Diamond drilling contractors	32,042(x)
Drilling by Percussion or other machines	16,300,824(a)

(x) Included in table II (a) Not complete as records are unavailable at certain mines.

Table 5.— DRILLING COMPLETED ON SILVER & LEAD DEPOSITS IN CANADA, 1943

	Footage drilled
<u>Diamond Drilling for Exploration and Testing</u>	
By mining companies with their own personnel and equipment	5,591
By Diamond drilling contractors	64,425(x)
<u>Other Diamond Drilling</u>	
<u>Blast Hole diamond drilling:</u>	
By mining companies with their own personnel and equipment	....
By diamond drilling contractors	96,963(x)
Drilling by Percussion or other machines	1,871,957(a)

(x) Included in Table II (a) Not complete as records are unavailable at certain mines.

Canadian asbestos mining companies reported that 11,307 feet of diamond drilling for exploration and 33,755 feet by the mining companies with their own personnel. No blast hole drilling was recorded and partial returns showed 3,021,001 feet of drilling by machines other than diamond drills.

In addition to the diamond drilling recorded in tables 3, 4, and 5, there were 280,645 feet of diamond drilling completed in 1943, on iron ores and other metal-bearing formations by diamond drilling contractors and 32,694 feet by mine operators using their own equipment. Reports received from these properties do not reveal if any blast hole drillings was included in the totals recorded.

As an aid in the development of approved mica properties, the Department of Mines and Resources, Ottawa, leased drilling equipment to several operators in 1943. Complete data pertaining to this drilling are not yet available at the Bureau of Statistics.

The data shown in Table II were compiled from returns made by the following firms:

<u>Name of Firm</u>	<u>Head Office Address</u>
Anderson, Anton Arnc Diamond Drilling Co. Ltd.	20 Patricia Blvd., Timmins, Ont. 16½ Pine St. North, Timmins, Ont.
Baderski, F. & Son Boyles Bros. Drilling Co. Ltd. Boyles Bros. Drilling (Eastern) Ltd. Burton, Archie L.	Schumacker Road, Timmins, Ont. 1291 Parker St., Vancouver, B.C. 1291 Parker St., Vancouver, B.C. 352 Howey Crescent, Sudbury, Ont.
Connors, T. Diamond Drilling Co. Ltd. Continental Diamond Drilling Co. Ltd.	744 W. Hastings St., Vancouver, B.C. Rouyn, Que.
Demorest Drilling Ltd.	Noranda, Que.
Globe Drilling & Exploration Co. (x) Gregory, G.F. and Son	204 - 4th St, N., Kenora, Ont. Petrolia, Ont.
Hawkins, H. (x) Heath and Sherwood	18 Vimy Ave., Timmins, Ont. 6 Duncan Ave., Kirkland Lake, Ont.
Inspiration Mining and Development Co. Ltd.	Box 640, Amos, Que.
Kuntz, Harry J.	McKenzie Island, Ont.
Labine Bros. La Rocque, T.E.	McKenzie Island, Ont. 10 Frontenac St., Val D'Or, Que.
Marks and Erikson (x) Matheson Drilling and Exploration McDonald, H.C. McIsaac, R.M. Morissette, N. Diamond Drilling Ltd.	Quyón, Que. Matheson, Ont. New Denver, B.C. Flin Flon, Man. Haileybury, Ont.
National Diamond Drilling Co. Ltd.	Box 508, Rossland, B.C.
Ontario Diamond Drilling Co. Ltd.	203 Mackey Bldg., Sudbury, Ont.
Robinson Contracting Co. Ltd.	rm. 804 - 850 Hastings St. W., Vancouver, B.C.
Ryan Diamond Drilling Co. Ltd.	217 Spruce St. S., Timmins, Ont.
Smith and Travers Co. Ltd. Sprague and Henwood Ltd. Sudbury Diamond Drilling Co. Ltd. Thompson Drilling & Mining Dev. Co. Ltd.	208 Walnut St., Sudbury, Ont. 188 Douglas St., Sudbury, Ont. 4 Regina St., North Bay, Ont. Cranberry Portage, Man.

(x) Idle during 1943.



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