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

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DIAMOND DRILLING INDUSTRY, 1942

Firms reported as actively engaged in the contract diamond drilling of Canadian mining properties in 1942 totalled 28. Operations were conducted in Nova Scotia, Quebec, Ontario, Manitoba, Saskatchewan, British Columbia and the Northwest Territories. The total income received by the entire industry from contract drilling operations completed during the year under review amounted to \$3,147,532 compared with \$5,122,437 in 1941. The average number of employees in 1942 totalled 1,019 as against 1,455 in the preceding year. Salaries and wages paid in 1942 amounted to \$1,597,040. The total footage drilled throughout the Dominion during 1942 aggregated 2,960,364, of which 52 per cent was conducted in Ontario, 33 per cent in Quebec and 9 per cent in British Columbia.

The industry as a whole purchased, in 1942, borts, ballas, carbons, readysset and castset bits, etc. valued at \$634,233 compared with \$861,253 in 1941. Of the 1942 purchases, \$144,366 represented stones in the form of cast or readysset bits.

Equipment reported by the industry included 273 steam or air driven drills, 290 gas, oil and gasoline driven drills, and 2 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. In this regard, it is interesting to note that the use of diamond drills in stoping and other rock breaking operations in Canada has increased rapidly during recent years. Data on such operations in 1942 are not complete; however, partial returns show a total footage of 764,682 diamond drilled by mining operators proper.

According to particulars received by the Mining Journal, London, it was learned that electrically driven diamond drills operating in particularly hard formations in South Africa have developed penetration speeds up to 5 inches per minute where Jackhammers and drifters attained a maximum speed of 2.3 inches per minute. More recently, the program has been expanded to include the copper mines of Northern Rhodesia and the Belgian Congo, where the diamond drill is stated to have become well established for the breaking down of ore.

With the speeding up of the huge armament programs of the Allied Nations, manufacturers of diamond tools are working to capacity. Not the least encouraging aspect of the present position is that the Allied Nations are able to call on the combined resources of the three most important producers of industrial diamonds in the world--the Union of South Africa, the Congo, and Brazil. The enemy countries, in comparison, are in an extremely bad position regarding industrial diamonds.

CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1942

Province	Footage drilled	Income from drilling	Average number of employees	Total wages paid
Nova Scotia	11,237	15,140	16	10,265
New Brunswick	25,171	34,056	20	23,392
Quebec	977,295	1,004,674	290	500,624
Ontario	1,536,854	1,554,116	553	815,921
Manitoba	91,999	146,809	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	5,147,532	1,019	1,557,040
Value of stones, readysset and cast set bits purchased, 1942				\$634,233

CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1941

Province	Footage drilled	Income from drilling	Number of employees	Total salaries and wages paid
Nova Scotia	4,640	8,351	7	4,021
New Brunswick .....	...	...	...	...
Quebec	759,506	895,169	365	400,870
Ontario	1,653,075	1,736,464	866	913,373
Manitoba	19,400	23,606	36	9,039
Saskatchewan	25,543	24,805	14	8,270
Alberta	3,233	3,017	1	458
British Columbia	298,273	387,677	144	181,765
Yukon .....	...	...	...	...
Northwest Territories	29,685	43,338	22	16,563
CANADA	2,793,420	3,122,487	1,455(x)	1,535,609
Value of stones, readysset and cast set bits purchased, 1941				\$361,253

(x) Includes part-time employees.

THE FOREGOING COMPILATION FOR 1942 WAS MADE FROM RETURNS RECEIVED
FROM THE FOLLOWING ACTIVE FIRMS

Name of Firm	Head Office Address
Anderson, Anton	20 Patricia Blvd., Timmins, Ont.
Arno Diamond Drilling Company Ltd.	16½ Pine St. N., Timmins, Ont.
Baderski, Frank and Son	Schumacher Road, Timmins, Ont.
Boyles Bros. Drilling Co. Ltd.	1291 Parker St., Vancouver, B.C.
Boyles Bros. Drilling (Eastern) Ltd.	1291 Parker St., Vancouver, B.C.
Burton, Archie S.	352 Howey Crescent, Sudbury, Ont.
Continental Diamond Drilling Co. Ltd.	Rouyn, Que.
Connors, T., Diamond Drilling Co. Ltd.	744 West Hastings St., Vancouver, B.C.
Demorest Drilling Limited	Noranda, Que.
Dubenski Diamond Drilling	19 Regina Ave., Kenora, Ont.
Hawkins, H.	18 Vimy Ave., Timmins, Ont.
Heath & Sherwood	6 Duncan Ave., Kirkland Lake, Ont.
Inspiration Mining & Development Co. Ltd.	Amos, Que.
Kuntz, Harry J.	McKenzie Island, Ont.
Labine Bros.	McKenzie Island, Ont.
Lantz Diamond Drilling Co. Ltd.	Red Lake, Ont.
Larocque, T. E.	10 Frontenac St., Val d'Or, Que.
Marks & Erikson	Quyon, Que.
Morissette, N., Diamond Drilling Ltd.	Box 440, Haileybury, Ont.
McIsaac, R. M.	Box 556, Flin Flon, Man.
McDonald, E. C.	New Denver, B.C.
Ontario Diamond Drilling Co. Ltd.	203 Mackey Bldg., Sudbury, Ont.
Robinson Contracting Co. Ltd.	850 Hastings St. W., Vancouver, B.C.
Ryan Diamond Drilling Company Ltd.	217 Spruce St. S., Timmins, Ont.
Smith & Travers Company Ltd.	208 Walnut St., Sudbury, Ont.
Sprague & Henwood Ltd.	188 Douglas St., Sudbury, Ont.
Sudbury Diamond Drilling Co. Ltd.	North Bay, Ont.
Thompson Bros.	Cranberry Portage, Man.
Vancouver Island Drilling & Exploration Co. Ltd.	604 Bank of Toronto Bldg., Victoria, B.C.

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