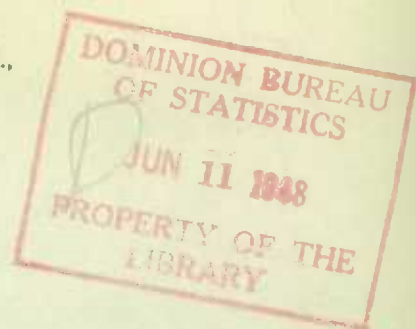


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Minister of Trade and Commerce



**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**

+ + + *Census of Industry* + + +

**MINING, METALLURGICAL & CHEMICAL STATISTICS**

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**CONTRACT DRILLING**  
**IN THE**  
**CANADIAN MINING INDUSTRY**  
**IN**  
**1946**



OTTAWA  
1948

Price 25 cents

100-100000

TABLE 1. The number of persons in the  
armed forces and navy

1910-1911

DEPARTMENT OF THE ARMY AND NAVY

OFFICE OF THE SECRETARY

UNITED STATES OF AMERICA

WASHINGTON, D. C.

1912

CONTRACT DRILLING

IN THE

CANADIAN MINING INDUSTRY

IN

1912



OFFICE OF THE  
SECRETARY

100-100000

Dominion Statistician:	Herbert Marshall
Director - Division of Census of Industry and Merchandising:	W. H. Losee
Chief - Mining, Metallurgical and Chemical Statistics:	H. McLeod

## CONTRACT DRILLING IN THE CANADIAN MINING INDUSTRY, 1946

### Section 1

#### Diamond Drilling of Deposits Other Than Fuels

There were 62 firms engaged in contract diamond drilling of Canadian mineral deposits, other than fuels, during 1946 compared with 74 in 1945. The income received from drilling operations completed by these firms in 1946 totalled \$11,786,846 against \$8,650,864 in the preceding year. The average number of employees in 1946 was estimated at 2,829 compared with 2,263 in 1945, and the amount of salaries and wages distributed during the year under review totalled \$5,285,695 as against \$3,906,545 in 1945.

The footage drilled in the Dominion by contractors during 1946 aggregated 6,260,513 feet, of which 40 per cent was completed in Ontario, 41 per cent in Quebec, 12 per cent in British Columbia, and 4 per cent in the Northwest Territories. Contract drilling was done in all provinces except Prince Edward Island. The footage drilled in 1946 was the greatest to be recorded since the initial compilation, in 1938, of the data on diamond drilling. The value of borts, ballas, carbons, castset bits, etc., purchased in 1946 by diamond drilling contractors totalled \$2,192,615 compared with \$2,018,768 in 1945.

Equipment owned by diamond drilling contractors in 1946 included 312 air or steam-driven drills, 464 gasoline-driven drills and 3 electric drills.

Table 1 - CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1938-1946 (Drilling operations conducted by contractors who employed diamond drills only and which were confined chiefly to the testing of metalliferous deposits)

Year	Footage drilled	Income from drilling	Average number of employees	Total salaries and wages paid
		\$		\$
1938 .....	2,296,773	3,956,564	1,627	1,801,988
1939 .....	2,063,292	3,013,249	2,920	1,615,615
1940 .....	2,422,948	3,021,629	1,350	1,575,786
1941 .....	2,793,420	3,122,487	1,455	1,535,609
1942 .....	2,960,364	3,147,532	1,019	1,597,040
1943 .....	2,649,708	3,072,481	896	1,493,944
1944 .....	3,468,797	4,970,247	1,468	2,461,813
<u>1 9 4 5</u>				
Nova Scotia .....	6,432	9,695	1	2,192
Quebec .....	2,166,682	4,040,776	1,075	1,800,259
Ontario .....	1,676,076	2,817,502	788	1,331,532
Manitoba .....	120,799	196,312	48	81,542
Saskatchewan .....	53,142	80,727	22	38,099
Alberta .....	29,406	138,894	27	63,678
British Columbia .....	900,605	622,788	200	325,675
Yukon .....	3,046	6,521	7	6,139
Northwest Territories	306,250	737,649	95	257,429
CANADA .....	5,262,438	8,650,864	2,263	3,906,545

Note: This report was prepared by A. R. Deir, Mining Statistician.

Table 1 - CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1938-1946 (Concluded)

Year	Footage drilled	Income from drilling	Average number of employees	Total salaries and wages paid
		\$		\$
1946				
Nova Scotia .....	10,832	16,427	5	4,840
New Brunswick .....	2,719	7,419	4	2,585
Quebec .....	2,554,611	5,131,049	1,232	2,425,842
Ontario .....	2,541,084	4,809,742	1,162	2,058,747
Manitoba .....	109,547	239,010	58	91,089
Saskatchewan .....	40,989	78,893	24	36,397
Alberta .....	20,419	130,313	25	63,697
British Columbia ....	741,720	766,594	209	380,085
Yukon .....	1,700	13,040	13	10,405
Northwest Territories	236,892	594,359	97	212,008
CANADA .....	6,260,513	11,786,846	2,829	5,285,695

Table 2 - VALUE OF STONES, READYSET AND CASTSET BITS PURCHASED BY CONTRACTORS, 1938-1946

Year	Value	Year	Value
	\$		\$
1938 .....	649,374	1943 .....	637,070
1939 .....	607,806	1944 .....	810,085
1940 .....	881,085	1945 .....	2,018,768
1941 .....	861,253	1946 .....	2,192,615
1942 .....	634,233		

Table 3 - DRILLING COMPLETED ON AURIFEROUS QUARTZ DEPOSITS (GOLD MINES) IN CANADA, 1945 and 1946

	Footage Drilled	
	1945	1946
Diamond drilling for exploration and testing -		
By mining companies with their own personnel and equipment .....	591,243	571,794
By diamond drilling contractors (*) .....	4,011,223	4,412,958
Other diamond drilling -		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	134,555	161,363
By diamond drilling contractors (*) .....	420,519	466,153
Drilling by percussion or other machines (x)	14,649,301	18,156,746

(\*) Included in Table 1.

(x) Not complete as records are unavailable at certain mines.

Value of diamonds purchased by gold mining companies in 1946 totalled \$345,909 compared with \$157,144 in 1945.



Table 4 - DRILLING COMPLETED ON COPPER-GOLD-SILVER AND NICKEL-COPPER DEPOSITS IN CANADA, 1945 and 1946

	Footage Drilled	
	1945	1946
Diamond drilling for exploration and testing -		
By mining companies with their own personnel and equipment .....	76,089	158,434
By diamond drilling contractors (*) .....	475,066	632,857
Other diamond drilling -		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	907,598	857,409
By diamond drilling contractors (*) .....	310,446	...
Drilling by percussion or other machines (x)	11,869,213	9,448,740

(\*) Included in Table 1.

(x) Not complete as records are unavailable at certain mines.

Value of diamonds purchased by copper-gold-silver and nickel-copper mining companies in 1946 totalled \$253,419 compared with \$176,034 in 1945.

Table 5 - DRILLING COMPLETED ON SILVER-LEAD-ZINC AND SILVER-COBALT DEPOSITS IN CANADA, 1945 and 1946

	Footage Drilled	
	1945	1946
Diamond drilling for exploration and testing -		
By mining companies with their own personnel and equipment .....	11,736	20,724
By diamond drilling contractors (*) .....	55,429	87,532
Other diamond drilling -		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	...	381,434
By diamond drilling contractors (*) .....	272,508	6,537
Drilling by percussion or other machines (x)	1,538,711	565,751

(\*) Included in Table 1.

(x) Not complete as records are unavailable at certain mines.

Table 6 - DRILLING COMPLETED ON OTHER METAL-BEARING DEPOSITS, 1945 and 1946

	Footage Drilled (b)	
	1945	1946
Diamond drilling for exploration and testing -		
By mining companies with their own personnel and equipment .....	...	1,587
By diamond drilling contractors (*) .....	3,725	28,465
Other diamond drilling -		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	(a)	49,563
By diamond drilling contractors (*) .....	(a)	...
Drilling by percussion or other machines ...	800	70,185

(\*) Included in Table 1.

(a) Not reported, or not complete as records are unavailable at certain mines.

(b) Includes drilling on iron, chromite, molybdenite and mercury deposits; exclusive of drilling on pitchblende deposits.

Table 7 - DRILLING COMPLETED ON ASBESTOS DEPOSITS, 1945 and 1946

	Footage Drilled	
	1945	1946
Diamond drilling for exploration and testing -		
By mining companies with their own personnel and equipment .....	9,275	845
By diamond drilling contractors (*) .....	28,703	40,880
Other diamond drilling -		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	9,227	40,109
By diamond drilling contractors (*) .....	...	3,650
Drilling by percussion or other machines (x)	3,197,308	3,450,249

(\*) Included in Table 1.

(x) Not complete as data are not reported by some firms.

Diamonds purchased by asbestos mining companies in 1946 cost \$29,980 compared with \$8,424 in 1945.

NOTE: The total footage of contract drilling recorded in Tables 3 to 7 does not necessarily agree with the corresponding totals shown in Table 1 as drilling data are incomplete or unobtainable from some mining firms.

DIRECTORY, 1946

The data for 1946, as shown in Table 1, were compiled from returns made by the following firms:

<u>Name of Firm</u>	<u>Head Office Address</u>
Allard Bros.	Val d'Or, Quebec
Albert, E.	Box 134, Val d'Or, Quebec
Anderson, Anton	20 Patricia Blvd., Timmins, Ontario
Andercheck, John M.	61 Third Ave., Timmins, Ontario
Arno Diamond Drilling Co. Ltd.	249 Algonquin Blvd. E., Timmins, Ontario
Baderski, Frank & Son	464 Algonquin Blvd. E., Timmins, Ontario
Baker, L. J.	Box 520, Val d'Or, Quebec
Bergeron Diamond Drilling Co.	Box 386, Timmins, Ontario
Biladeau, Chatrand, Girard	Senneterre, Quebec
Boyles Bros. Drilling Co. Ltd.	1291 Parker St., Vancouver, British Columbia
Brochu, W. C.	Room 2, Richardson Bldg., Timmins, Ontario
Bourgeois, Larry	57 Laurier St., Bourlamaque, Quebec
Burphy, Herbert	New Liskeard, Ontario
Burton, Archie S.	352 Howey Crescent, Sudbury, Ontario
Connors, T. Diamond Drilling Co. Ltd.	744 West Hastings St., Vancouver, British Columbia
Continental Diamond Drilling Co. Ltd.	82 Perreault St. W., Rouyn, Quebec
Demorest Drilling Ltd.	Noranda, Quebec
Developers of Canada Reg'd.	Box 78, Val d'Or, Quebec
Eco Exploration Co. Ltd.	711 McArthur Bldg., Winnipeg, Manitoba
Edwards, Jack H.	Red Lake, Ontario
Geraldton Diamond Drilling Co.	Geraldton, Ontario
Globe Drilling & Exploration Co.	Kenora, Ontario
Groleau Bros.	40 Taschereau E., Rouyn, Quebec
Grondin, M.	Box 2013, Val d'Or, Quebec
Heath & Sherwood	6 Duncan Ave., Kirkland Lake, Ontario
Hawkins, H.	11 Pine St. N., Timmins, Ontario
Hudson Diamond Drilling Co. Ltd.	Noranda, Quebec
Houle-Truneau	Bourlamaque, Quebec
Inspiration Mining & Development Co. Ltd.	184 Bay St., Toronto, Ontario
Jones & Bradley Ltd.	Drawer 1050, Noranda, Quebec
Keyes Construction Co. Ltd.	260 Industrial Ave., Vancouver, British Columbia
Kirk, J. B.	Nakina, Ontario
Kuntz, H. J.	Box 300, Malartic, Quebec
Labine Bros.	McKenzie Island, Quebec
LaRocque, T. E.	10 Frontenac St., Val d'Or, Quebec
Lee & Euler	Box 123, Red Lake, Ontario
Lipasti, E.	Larder Lake, Ontario
Matheson Drilling & Exploration	Matheson, Ontario
Mikelait, J. A.	Box 127, Rouyn, Quebec
Morissette Diamond Drilling Ltd.	Box 440, Haileybury, Ontario
McCall Diamond Drilling Co.	Box B, Geraldton, Ontario
Midwest Diamond Drilling Co. Ltd.	Flin Flon, Manitoba
McGinn, J. R.	5 Elgin St., Sudbury, Ontario
National Diamond Drilling Co. Ltd.	Box 508, Rossland, British Columbia
Niemetz Bros.	Red Lake, Ontario



## DIRECTORY, 1946 (Concluded)

<u>Name of Firm</u>	<u>Head Office Address</u>
Ontario Diamond Drilling Co. Ltd.	203 Mackey Bldg., Sudbury, Ontario
Pearson, A. H.	369 7th Ave., Noranda, Quebec
Poulson & Newman	26 Rowan Ave., Kirkland Lake, Ontario
Portelance, A.	626 Leslie Ave., Port Arthur, Ontario
Prochick, M. J.	McKenzie Island, Ontario
Robinson Contracting Co. Ltd.	804-850 Hastings St. W., Vancouver, British Columbia
Rowan, Angus	74 $\frac{1}{2}$ Fifth Ave., Timmins, Ontario
Scarboro, George	46 Carlin Ave., Timmins, Ontario
Smith & Travers Co. Ltd.	208 Walnut St., Sudbury, Ontario
Sudbury Diamond Drilling Co. Ltd.	184 Bay St., Toronto, Ontario
Territories Exploration & Drilling	Box 149, Yellowknife, Northwest Territories
Thompson Drilling & Mining Development Co. Ltd.	4 North Ave., Flin Flon, Manitoba
Timmins Diamond Drilling Development Co. Ltd.	174 Maple St. N., Timmins, Ontario
Traynor Diamond Drilling Co. Ltd.	15 Toronto St., Toronto, Ontario
Tremblay, Paul E.	Rouyn, Quebec
Wilson, A.	Box 270, Noranda, Quebec
Zagozewski, Joseph	McKenzie Island, Ontario

Section IIContract Drilling for Fuels

In 1946 there were 56 contractors who reported drilling for petroleum, natural gas or for other purposes. The footage drilled totalled 570,948 and the income from operations amounted to \$2,536,175 compared, respectively, with 733,721 feet and \$4,095,211 in 1945. Of the footage drilled during the year, there were 274,348 feet by cable type drills, 4,500 feet by diamond drills, and 292,100 feet by rotary drills. Employees engaged in this work in 1946 numbered 485, to whom the salaries and wages paid amounted to \$819,819. Drilling done by oil companies with their own equipment is not included in this report.



Table 8 - DRILLING CONDUCTED DURING 1945 and 1946 BY CONTRACTORS FOR PETROLEUM, NATURAL GAS, AND FOR OTHER PURPOSES NOT INCLUDED IN SECTION I OF THIS REPORT

Province	Footage Drilled			Footage Drilled			Footage Drilled			Gross income	Average number	Total salaries
	For Petroleum			For Gas			For Other Purposes			from	of em-	and wages
	Type of Drill			Type of Drill			Type of Drill			drilling	ployees	paid
	Cable	Diamond	Rotary	Cable	Diamond	Rotary	Cable	Diamond	Rotary	\$	No.	\$
	(feet)			(feet)			(feet)					
1945												
Nova Scotia .....	...	...	...	...	...	...	7,607	...	...	35,420	10	15,507
New Brunswick ..	...	...	...	...	...	...	...	...	...	...	...	...
Quebec .....	2,119	...	...	...	...	...	...	...	...	69,588	20	13,681
Ontario .....	7,597	...	...	166,851	...	...	22,194	...	...	432,392	102	119,335
Manitoba .....	...	...	...	1,886	...	...	...	...	...	16,907	3	4,043
Saskatchewan ...	219	...	73,189	...	...	7,512	7,584	...	...	651,683	96	220,828
Alberta .....	4,550	...	397,723	2,782	...	30,266	1,114	...	528	2,889,221	458	851,419
British Columbia	...	...	...	...	...	...	...	...	...	...	...	...
Northwest Terri-	...	...	...	...	...	...	...	...	...	...	...	...
tories .....	...	...	...	...	...	...	...	...	...	...	...	...
Yukon .....	...	...	...	...	...	...	...	...	...	...	...	...
CANADA .....	14,485	...	470,912	171,519	...	37,778	38,499	...	528	4,095,211	689	1,224,813
1946												
Nova Scotia .....	...	...	...	...	...	...	10,911	...	...	56,981	12	13,147
New Brunswick ..	...	...	...	...	...	...	...	...	...	...	...	...
Quebec (*) .....	...	...	...	...	...	...	...	...	...	...	...	...
Ontario .....	18,233	...	...	212,609	...	...	16,033	...	...	469,080	114	154,432
Manitoba .....	...	...	...	1,306	...	...	...	...	...	11,282	2	2,741
Saskatchewan ...	...	...	80,929	...	...	18,295	9,570	...	...	234,929	70	95,544
Alberta .....	469	...	174,431	2,925	4,500	17,545	2,293	...	900	1,763,903	287	553,955
British Columbia	...	...	...	...	...	...	...	...	...	...	...	...
Northwest Terri-	...	...	...	...	...	...	...	...	...	...	...	...
tories .....	...	...	...	...	...	...	...	...	...	...	...	...
CANADA .....	18,701	...	255,360	216,840	4,500	35,840	38,807	...	900	2,536,175	485	819,819

(\*) Included with Nova Scotia.

DIRECTORY, 1946

The data shown in Table 8 were compiled from returns made by the following firms:

<u>Name of Firm</u>	<u>Head Office Address</u>
<u>Nova Scotia -</u>	
Kennedy, O. V.	Bridgetown
<u>Quebec -</u>	
Roileau, E.	1080 Osborne St. Montreal
<u>Ontario -</u>	
Ashton, J. L.	550 King St. W., Chatham
Culver, Marvin & Son	R.R. 2, Selkirk
Culver & Havill	Stevensville
Davidson, Fred L.	Wingham
Demaray, C.	Kerrwood
Dennis, G.	R.R. 2, Selkirk
Dolphin Bros.	Saulsbury St., Strathroy
Dominion Petroleum Co. Ltd.	Glencoe
Elk Development Syndicate	Box 82, Bradford, Pa., U.S.A.
Emerson, H. L.	R.R. 1, Dunnville
Emerson & Rose	Wainfleet
Evans, Harry	Tillsonburg
Garringer, W.	Dunnville
Harris, W.	Welland
Heal, A. A.	Box 264, Watford
Hodgson, Roy	Cayuga
Hoover & Donald	Hagersville
House, C. C.	Stevensville
Irving, D.	509 Queen St., Dunnville
Jackson, P. L. & Co.	211 George St., Dunnville
Kiser Bros.	Hicks Bldg., Chatham
Lymburner Bros. & Webber	Dunnville
Mandley, R.	Dunnville
McKillop, Wm. & Son	Box 102, Hamilton
McLister, J. J.	Dunnville
Nagel, Elmer	Stevensville
Nauman Bros.	Fisherville
Patterson & Culver	Box 93, Dunnville
Patterson Gas Co. Ltd.	Jamestown, N.Y., U.S.A.
Perkins, J. E.	Dunnville
Renwick, S.	Bright
Ricker, Arthur	Canboro
Shank Bros.	R.R. 2, Selkirk
Stewart, E.	R.R. 3, Jarvis
Stubble, H. H.	225 Grand Ave. E., Chatham
Swayze & Nauman	R.R. 5, Simcoe
Swent, W. N.	Selkirk
Warren, G.	R.R. 1, Canboro
Werner, D. E.	Fisherville
Wilson-Sullivan Development Co.	112 S. Christina St., Sarnia
Windover, Wm.	R.R. 2, Sarnia

## DIRECTORY, 1946

(Concluded)

Name of Firm	Head Office Address
<u>Manitoba -</u>	
Coyle, D. J.	796 McDermot Ave., Winnipeg
<u>Saskatchewan -</u>	
Clark Drilling Co.	Waterous
Creelman, R. E. & Son	1113 Ave. B. North, Saskatoon
Northern Development Co. Ltd. (N.P.L.)	Lloydminster
<u>Alberta -</u>	
Bush, O. D.	231 8th Ave. West, Calgary
Canokla Drillers Ltd.	1010 Security Bldg., Windsor, Ontario
Can-Tex Drilling Co. Ltd.	617 Lancaster Bldg., Calgary
Commonwealth Drilling Co. Ltd.	4 Clarence Block, Calgary
Culbert & Hayden	Black Diamond
Drilling Contractors Ltd.	902 Lancaster Bldg., Calgary
G & C Drilling Co.	Millarville
General Petroleums Ltd.	509 8th Ave. West, Calgary
Kartmeyer, F.	Black Diamond
Machinery Depot Ltd.	1029 10th Ave. West, Calgary
McAllister, R. W.	527 1st Ave. West, Calgary
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary
Newell & Chandler Ltd.	203 Wilson Electric Bldg., Calgary
Regent Drilling Co. Ltd.	Vermillion
Roxana Oils Co. Ltd.	408 Lancaster Bldg., Calgary
Union Drilling & Development Co. Ltd.	403 Lancaster Bldg., Calgary



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