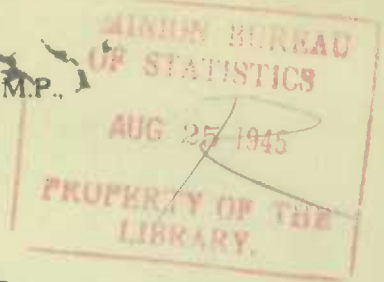


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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**MINING, METALLURGICAL & CHEMICAL BRANCH**

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**CONTRACT DRILLING**  
**IN THE**  
**CANADIAN MINING INDUSTRY**  
**IN**  
**1944**



**OTTAWA**  
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IN THE

CANADIAN MINING INDUSTRY



1914

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## CONTRACT DRILLING IN THE CANADIAN MINING INDUSTRY, 1944

### Section 1

#### Diamond Drilling of Deposits Other Than Fuels

There were 34 firms engaged in contract diamond drilling of Canadian mineral deposits, other than fuels, during 1944 compared with 27 in 1943. The income received from drilling operations completed by these firms in 1944 totalled \$4,970,247 against \$3,072,481 in the preceding year. The average number of employees in 1944 was reported at 1,468 and the amount of salaries and wages distributed totalled \$2,461,813. The footage drilled by contractors in 1944, in the entire Dominion, aggregated 3,468,797 feet, of which approximately 39 per cent was completed in Ontario, 38 per cent in Quebec and 16 per cent in British Columbia. Contract diamond drilling was also conducted in Nova Scotia, Manitoba, Saskatchewan, Alberta and the Northwest Territories. Firms engaged in this type of drilling purchased in 1944 borts, ballas, carbons, readyset bits, etc., amounting in value to \$810,085 compared with \$637,070 in 1943.

Not included in this report are general statistics relating to diamond drilling conducted by Canadian mining companies with their own personnel and equipment; employment data relating to such operations are combined with those pertaining to the Canadian mining industry proper.

#### Drilling Operations Conducted by Contractors Who Employed Diamond Drills Only and Which Were Confined Chiefly to the Testing of Metalliferous Deposits

Table 1 - CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1943 and 1944

Province	Footage drilled	Income from drilling \$	Average number of employees	Total salaries and wages paid \$
<u>1 9 4 3</u>				
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, readyset and castset bits purchased by contractors, 1943 .....				\$637,070

Contract

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Table 1 - CONTRACT DIAMOND DRILLING OPERATIONS IN CANADA, 1943 and 1944 (Concluded)

Province	Footage drilled	Income from drilling	Average number of employees	Total salaries and wages paid
		\$		\$
<u>1 9 4 4</u>				
Nova Scotia .....	2,802	4,660	4	2,539
New Brunswick .....	...	...	...	...
Quebec .....	1,310,156	1,985,927	634	969,082
Ontario .....	1,348,813	2,031,096	680	1,042,491
Manitoba .....	69,006	115,319	38	42,989
Saskatchewan .....	47,926	55,962	24	26,361
Alberta .....	32,922	128,329	25	54,498
British Columbia ....	544,077	392,961	102	220,746
Yukon .....	...	...	...	...
Northwest Territories	113,095	255,993	61	103,107
CANADA .....	3,468,797	4,970,247	1,468	2,461,813
Value of stones, readysset and castset bits purchased by contractors, 1944 .....				\$810,085

Equipment owned by these contractors in 1944 included 240 air or steam-operated drills, 334 gas-driven drills and 3 electric drills.

Table 2 - DRILLING COMPLETED ON AURIFEROUS QUARTZ DEPOSITS (GOLD MINES) IN CANADA, 1943 and 1944

	Footage Drilled	
	1 9 4 3	1 9 4 4
<u>Diamond drilling for exploration and testing -</u>		
By mining companies with their own personnel and equipment .....	543,062	510,262
By diamond drilling contractors (x) .....	1,321,727	1,606,205
<u>Other diamond drilling -</u>		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	97,298	83,672
By diamond drilling contractors (x) .....	591,598	444,859
Drilling by percussion or other machines (✓) ..	20,014,708	17,830,270

(x) Included in Table 1.

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

Value of diamonds purchased by gold mining companies in 1944 totalled \$128,115.



Contract

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Table 3 - DRILLING COMPLETED ON COPPER-GOLD-SILVER AND NICKEL-COPPER DEPOSITS IN CANADA, 1943 and 1944

	Footage Drilled	
	1 9 4 3	1 9 4 4
<u>Diamond drilling for exploration and testing -</u>		
By mining companies with their own personnel and equipment .....	109,703	99,691
By diamond drilling contractors (x) .....	283,028	285,386
<u>Other diamond drilling -</u>		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	1,197,437	1,088,602
By diamond drilling contractors (x) .....	32,042	130,552
Drilling by percussion or other machines (A) ..	16,300,824	12,731,871

(x) Included in Table 1.

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

Value of diamonds purchased by copper-gold-silver and nickel-copper mining companies in 1944 totalled \$180,388.

Table 4 - DRILLING COMPLETED ON SILVER-LEAD-ZINC AND SILVER-COBALT DEPOSITS IN CANADA, 1943 and 1944

	Footage Drilled	
	1 9 4 3	1 9 4 4
<u>Diamond drilling for exploration and testing -</u>		
By mining companies with their own personnel and equipment .....	7,319	7,353
By diamond drilling contractors (x) .....	64,425	86,466
<u>Other diamond drilling -</u>		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	...	...
By diamond drilling contractors (x) .....	96,963	280,447
Drilling by percussion or other machines (A) ..	1,871,957	2,660,574

(x) Included in Table 1.

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

Table 5 - DRILLING COMPLETED ON OTHER METAL-BEARING DEPOSITS, 1943 and 1944

	Footage Drilled (b)	
	1943	1944
<u>Diamond drilling for exploration and testing -</u>		
By mining companies with their own personnel and equipment .....	32,694	30,864
By diamond drilling contractors (x) .....	280,645	41,976

Table 5 - DRILLING COMPLETED ON OTHER METAL-BEARING DEPOSITS, 1943 and 1944 (Con.)

	Footage Drilled (b)	
	1943	1944
<u>Other diamond drilling -</u>		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment .....	(a)	(a)
By diamond drilling contractors (x) .....	(a)	(a)
Drilling by percussion or other machines .....	(a)	356,697(a)

(x) 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.

Diamonds purchased in 1944 by companies mining these minerals were valued at \$268.

Table 6 - DRILLING COMPLETED ON ASBESTOS DEPOSITS, 1944

	Footage Drilled
<u>Diamond drilling for exploration and testing -</u>	
By mining companies with their own personnel and equipment .....	37,111
By diamond drilling contractors (x) .....	22,019
<u>Other diamond drilling -</u>	
Blast hole diamond drilling:	
By mining companies with their own personnel and equipment .....	...
By diamond drilling contractors .....	...
Drilling by percussion or other machines .....	3,414,969(/)

(x) Included in Table 1.

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

Diamonds purchased by asbestos mining companies in 1944 cost \$5,756.

Note: The total footage of contract drilling recorded in Tables 2, 3, 4, 5 and 6 does not necessarily agree with the corresponding totals shown in Table 1 as drilling data are incomplete or unobtainable from some mining firms.

DIRECTORY 1944

The data 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, Que.
Anderson, Anton	20 Patricia Blvd., Timmins, Ont.
Arno Diamond Drilling Co. 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.
Continental Diamond Drilling Co. Ltd.	Rouyn, Que.
Connors, T. Diamond Drilling Co. Ltd.	744 W. Hastings St., Vancouver, B.C.
Consolidated Diamond Drilling Corp.	room 21 .. 33 Melinda St., Toronto, Ont.
Demorest Drilling Limited	Noranda, Que.
Developers of Canada Reg. (A. Barton)	Box 200, Senneterre, Que.
Dependence Diamond Drilling Co.	13 Gov't. Road W., Kirkland Lake, Ont.
Globe Drilling and Exploration Co.	204 .. 4th St. N., Kenora, Ont.
Hawkins, H. (x)	18 Vimy Ave., Timmins, Ont.
Heath and Sherwood	6 Duncan Ave., Kirkland Lake, Ont.
Inspiration Mining & Development Co. Ltd.	619 .. 12 Richmond St. E., Toronto, Ont.
Jones and Bradley Limited	Suite 6, David Bldg., Kirkland Lake, Ont.
Kuntz, Harry J.	Malartic, Que.
La Rocque, T. E.	Box 287, Val d'Or, Que.
Labine Bros.	McKenzie Island, Ont.
McDonald, H. C.	New Denver, B.C.
McIsaac, R. M.	Flin Flon, Man.
Morissette, N. Diamond Drilling Ltd.	Box 440, Haileybury, Ont.
Marks, J. M. (x)	Quyón, Que.
Matheson Drilling & Exploration	Matheson, Ont.
National Diamond Drilling Co. Ltd.	Box 508, Rossland, B.C.
Northern Diamond Drilling Co.	707 McArthur Bldg., Winnipeg, Man.
Ontario Diamond Drilling Co. Ltd.	203 MacKey Bldg., Sudbury, Ont.
Pacific Drilling & Exploration Co. Ltd.	356 Alexander St., Vancouver, B.C.
Roy Bros.	Malartic, Que.
Robinson Contracting Co. Ltd.	804-850 Hastings St. W., Vancouver, B.C.
Smith and Travers Company Ltd.	208 Walnut St., Sudbury, Ont.
Sprague and Henwood Ltd.	188 Douglas St., Sudbury, Ont.
Sudbury Diamond Drilling Co. Ltd.	619 .. 12 Richmond St. E., Toronto, Ont.
Thompson Drilling & Mining Development Co. Ltd.	Cranberry Portage, Man.

(x) Idle in 1944.

Section 11Contract Drilling for Fuels

In 1944, 46 contractors reported drilling for petroleum, natural gas or for other purposes. The footage drilled totalled 583,155 and the income from operations amounted to \$5,353,845; of the footage drilled 230,519 feet were completed by cable drill, 3,000 feet by diamond drill and 349,636 feet by rotary. Employees engaged on this work totalled 533 and salaries and wages paid amounted to \$1,086,878. Drilling done by oil companies with their own equipment are not included in this report. The industry in 1944 purchased diamonds, including readysset bits, etc., aggregating \$500 in value.



Table 7 (b) - DRILLING CONDUCTED DURING 1944 BY CONTRACTORS FOR PETROLEUM, NATURAL GAS, AND FOR OTHER PURPOSES NOT INCLUDED IN SECTION 1 OF THIS REPORT

Province	FOOTAGE DRILLED IN SECTION 1 OF THIS REPORT									Gross income from drilling	Average number of employees	Total salaries and wages paid
	Footage Drilled For Petroleum			Footage Drilled For Gas			Footage Drilled For Other Purposes					
	Type of Drill			Type of Drill			Type of Drill					
	Cable	Diamond	Rotary	Cable	Diamond	Rotary	Cable	Diamond	Rotary			
	(feet)			(feet)			(feet)			\$	No.	\$
Prince Edward Island .....	Drilling done in this province was done by an oil company using their own equipment.											
Nova Scotia .....	3,393	...	...	1,228	...	...	9,136	...	...	86,922	22	28,273
New Brunswick ..	...	...	...	...	...	...	...	...	...	...	...	...
Quebec (a) .....	...	...	...	...	...	...	...	...	...	...	...	...
Ontario .....	4,289	...	...	182,896	...	...	21,849	...	...	397,395	93	123,906
Manitoba (a) ...	...	...	...	...	...	...	...	...	...	...	...	...
Saskatchewan ...	205	...	10,100	...	...	12,306	3,000	...	...	125,381	22	22,298
Alberta .....	4,523	2,000	305,901	...	1,000	21,329	...	...	...	4,744,147	396	912,401
British Columbia	...	...	...	...	...	...	...	...	...	...	...	...
Northwest Territories .....	...	...	...	...	...	...	...	...	...	...	...	...
Yukon .....	...	...	...	...	...	...	...	...	...	...	...	...
CANADA .....	12,410	2,000	316,001	184,124	1,000	33,635	33,985	...	...	5,352,845	533	1,086,878

(a) Included with Nova Scotia.

(b) Subject to revision.

The value of stones, readysset or castset diamond bits purchased by contractors in 1944 amounted to \$500.



DIRECTORY 1944

The data shown in Table 7 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>	
McMaster, W. R.	Box 455, Caledonia, Ont.
<u>Ontario -</u>	
Ashton, J. L.	550 King St. W., Chatham
Culver, Marvin & Son	R.R. 2, Selkirk
Davidson, F. L. & Son	Box 137, Wingham
Demaray, Clarence	Kerwood
Dennis, G.	R.R. 2, Selkirk
Elk Development Syndicate	South Cayuga
Emerson, H. L.	R.R. 1, Dunnville
Evans, H.	Box 743, Tillsonburg
Heal, Andrew A.	Box 264, Watford
Holmes, E. B.	Bothwell
House, C. C.	Stevensville
Hussey, W. J.	Petrolia
Jackson, P. L. & Co.	Dunnville
Kiser Bros.	5 Sixth St., Chatham
Lymburner Bros. & Webber	Dunnville
McCrie & Stanley	18 Toronto St., Toronto
McCutcheon, T. J.	225 Broad St. E., Dunnville
McKillop, Wm.	Box 102, Hamilton
McLister, J. J.	Dunnville
McMaster, W. R.	Box 455, Caledonia
Patterson & Culver	Dunnville
Patterson, W. C.	Jamestown, N.Y., U.S.A.
Perkins, J. E.	Dunnville
Renwick, S.	Bright
Roth, F. & H.	R.R. 9, Dunnville
Shank Bros.	Rainham Centre
Smith & Ehde	R.R. 1, Lowbanks
Stubble, H. H.	225 Grand Ave. E., Chatham
Swent, Wm.	Rainham Centre
<u>Manitoba -</u>	
Coyle, D. J.	796 McDermott Ave., Winnipeg
<u>Saskatchewan -</u>	
Creelman, R. E.	821 Ave. "C" North, Saskatoon
Northern Development Co. Ltd. (N.P.L.)	Lloydminster
Withers, C. H. Drilling Co. Ltd.	Lloydminster
<u>Alberta -</u>	
Alberta Drilling & Development Co.	1 Central Bldg., Calgary
Bush, O. D.	15 Board of Trade Bldg., Calgary
Can-Tex Drilling Co. Ltd.	815 Lancaster Bldg., Calgary

Directory 1944 (Concluded)

Name of Firm	Head Office Address
<u>Alberta (Con.) -</u>	
Drilling Contractors Ltd.	902 Lancaster Bldg., Calgary
General Petroleums Ltd.	204 Lancaster Bldg., Calgary
K d'K Drilling Co.	Vermilion
Machinery Depot Ltd.	1029 - 10th Ave. W., Calgary
Newell & Chandler Ltd.	337-8th Ave. W., Calgary
Regent Drilling Co. Ltd.	Vermilion
Snyder, Head & Associates	258 Scarboro Ave., Calgary
Union Drilling & Development Co.	403 Lancaster Bldg., Calgary
Williamson, M. J.	Vermilion



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