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CANADA

CONTRACT DRILLING IN THE MINING INDUSTRY 1952



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry, 50¢
- B — The Gold Mining Industry, 50¢
- C — The Silver-Lead-Zinc Mining Industry, 25¢
- D — The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E — The Miscellaneous Metal Mining Industry, 25¢
- F — The Non-ferrous Smelting and Refining Industry, 25¢
- G — The Coal Mining Industry, \$1.00
- H — The Crude Petroleum and Natural Gas Industry, 25¢
- I — The Asbestos Mining Industry, 25¢
- J — The Feldspar and Quartz Mining Industry, 25¢
- K — The Gypsum Industry, 25¢
- L — The Peat Industry, 25¢
- M — The Salt Industry, 25¢
- N — The Talc and Soapstone Industry, 25¢
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- P — The Cement Manufacturing Industry, 25¢
- Q — The Clay and Clay Products Industry, 25¢
- R — The Lime Industry, 25¢
- S — The Sand and Gravel Industry, 25¢
- T — The Stone Industry, 25¢
- U — Contract Drilling in the Mining Industry, 25¢

CONTRACT DRILLING IN THE MINING INDUSTRY

1952

(Diamond drilling of deposits other than fuels)

During 1952 the footage drilled by contract diamond drilling was 5,180,783 compared with 5,091,514 in 1951. Income received from drilling was \$14,667,847. There were 40 firms reporting their operations in this industry. Drilling was reported in all provinces except Prince Edward Island. The average number of employees was estimated

at 2,345 and the salaries and wages totalled \$7,119,714.

Equipment owned by the operators included 314 air or steam-driven drills and 502 gasoline-driven drills.

TABLE 1. Contract Diamond Drilling Operations, 1943-1952 (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
		\$		\$
1943.....	2,649,708	3,072,481	896	1,493,944
1944.....	3,468,797	4,970,247	1,468	2,461,813
1945.....	5,262,438	8,650,864	2,263	3,906,545
1946.....	6,260,513	11,786,846	2,829	5,285,695
1947.....	4,072,622	6,635,476	1,838	3,179,473
1948.....	4,027,977	5,801,117	1,281	2,723,530
1949.....	4,777,015	7,570,454	1,415	3,423,124
1950.....	6,006,747	9,492,679	1,862	4,532,903
1951				
Newfoundland.....	92,861	402,136	57	159,053
Nova Scotia.....	25,573	115,754	23	33,226
New Brunswick.....	22,132	64,114	34	22,879
Quebec.....	2,250,417	4,804,267	807	2,038,344
Ontario.....	1,946,883	4,862,666	1,131	2,545,608
Manitoba.....	242,240	456,103	91	296,227
Saskatchewan.....	132,341	345,623	72	199,957
Alberta.....	22,750	86,216	27	91,563
British Columbia.....	235,644	875,203	136	452,829
Northwest Territories.....	4,563	308,332	44	145,939
Yukon.....	116,110	36,915	9	10,401
Canada.....	5,091,514	12,357,329	2,431	5,996,026
1952				
Newfoundland.....	69,252	297,699	53	124,882
Nova Scotia.....	43,034	104,266	27	39,771
New Brunswick.....	54,792	187,578	31	75,610
Quebec.....	1,774,428	4,533,190	677	2,065,927
Ontario.....	2,237,431	5,914,306	1,035	2,959,444
Manitoba.....	386,332	1,227,810	198	644,172
Saskatchewan.....	251,150	662,666	81	300,357
Alberta.....	21,175	218,528	38	148,313
British Columbia.....	214,594	1,051,662	138	506,443
Northwest Territories.....	125,289	416,462	43	169,274
Yukon.....	3,306	53,680	24	85,521
Canada.....	5,180,783	14,667,847	2,345	7,119,714

TABLE 2. Value of Stones, Readysset and Castset Bits, Purchased by Contractors, 1943-1952

Year	Value	Year	Value
	\$		\$
1943	637,070	1948	1,599,527
1944	810,085	1949	1,379,793
1945	2,018,768	1950	1,640,194
1946	2,192,615	1951	2,390,351
1947	1,418,831	1952	3,322,289

TABLE 3. Drilling Completed on Auriferous Quartz Deposits (Gold Mines) 1951 and 1952

	Footage drilled	
	1951	1952
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	902,947	879,654
By diamond drilling contractors ¹	1,405,308	1,299,238
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	238,769	804,879
By diamond drilling contractors ¹	378,330	342,951
Drilling by percussion or other machines ²	32,746,954	35,750,544

1. Included in Table 1.

2. Not complete as records are unavailable at certain mines.

Value of diamonds purchased by gold mining companies in 1952 totalled \$407,119 compared with \$235,904 in 1951.

TABLE 4. Drilling Completed on Copper-Gold-Silver and Nickel-Copper Deposits, 1951 and 1952

	Footage drilled	
	1951	1952
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	183,894	890,425
By diamond drilling contractors ¹	899,603	296,901
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	2,974,527	2,668,461
By diamond drilling contractors ¹	91,023	38,650
Drilling by percussion or other machines ²	23,863,754	26,568,713

1. Included in Table 1.

2. Not complete as records are unavailable at certain mines.

Value of diamonds purchased by copper-gold-silver and nickel-copper mining companies in 1952 totalled \$1,362,454 compared with \$1,271,196 in 1951.

TABLE 5. Drilling Completed on Silver-Lead-Zinc and Silver-Cobalt Deposits, 1951 and 1952

	Footage drilled	
	1951	1952
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	74,319	161,384
By diamond drilling contractors ¹	722,796	811,148
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	704,753	503,567
By diamond drilling contractors ¹	5,290	20,443
Drilling by percussion or other machines ²	7,599,907	9,218,938

1. Included in Table 1.

2. Not complete as records are unavailable at certain mines.

Value of diamonds purchased by silver-lead-zinc and silver-cobalt companies in 1952 amounted to \$269,263.

TABLE 6. Drilling Completed on Other Metal-Bearing Deposits, 1951 and 1952

	Footage drilled	
	1951	1952
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	46,238	28,424
By diamond drilling contractors ¹	210,301	119,608
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	—	—
By diamond drilling contractors ¹	98,528	35,801
Drilling by percussion or other machines ²	2,449,598	4,082,956

1. Included in Table 1.

2. Includes drilling on iron, chromite and titanium deposits. Does not include drilling on pitchblende deposits.

Value of diamonds purchased by other Metal-Mining Companies in 1952 amounted to \$10,690.

TABLE 7. Drilling Completed on Asbestos Deposits, 1951 and 1952

	Footage drilled	
	1951	1952
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	36,793	56,487
By diamond drilling contractors ¹	150,066	152,510
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	115,476	60,607
By diamond drilling contractors ¹	30,900	865
Drilling by percussion or other machines ²	3,412,332	3,080,983

1. Included in Table 1.

2. Not complete as data are not reported by some firms.

Diamonds purchased by asbestos mining companies in 1952 cost \$92,120 compared with \$81,832 in 1951.

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, 1952

The data for 1952, as shown in Table 1, were compiled from returns made by the following firms:

Name of firm	Head office address
Acme Diamond Drilling Ltd.	112 Yonge St., Toronto, Ontario
Allard Bros.	1120 2nd Ave., Val d'Or, Quebec
Anderson Diamond Drill	306 Patricia Blvd., Timmins, Ontario
Andercheck, John M.	127 Third Ave., Timmins, Ontario
Arno Diamond Drilling Co. Ltd.	Box 426, Timmins, Ontario
Atkin, Percy L.	Box 3, Madsen, Ontario
Baderski, Frank, & Son	464 Algonquin Blvd. E., Timmins, Ontario
Baker, L.J.	Box 218, Val d'Or, Quebec
Boyles Bros. Drilling (Alberta) Ltd.	10210-111 Street, Edmonton, Alberta
Boyles Bros. Drilling Co. Ltd.	1291 Parker St., Vancouver, British Columbia
Boyles Bros. Drilling (Eastern) Ltd.	c/o 1291 Parker St., Vancouver, British Columbia
Bradley Bros. Ltd.	Noranda, Quebec
Bradville Drilling & Exploration Ltd.	12 Government Rd. W., Kirkland Lake, Ontario
Bourgeois Diamond Drill Reg'd.	Box 133, Bourlamaque, Quebec
Canadian Longyear Ltd.	1111 Main St. W., North Bay, 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
Chenette Drilling	Coleraine, Quebec
Demorest Drilling Ltd.	Box 190, Noranda, Quebec
Douville Drilling Inc.	991A Notre St. N., Thetford Mines, Quebec
Edwards, Jack H.	Box 369, Kenora, Ontario
Eco Exploration Co. Ltd.	705 Childs Building, Winnipeg, Manitoba
Ford, Leonard W.	Madsen, Ontario
Geraldton Diamond Drilling Co.	Box 137, Geraldton, Ontario
Goyette Diamond Drilling Reg'd.	Val d'Or, Quebec
Groleau Bros.	44 Taschereau E., Rouyn, Quebec
Griffith Bros. Diamond Drilling	Bissett, Manitoba
Heath & Sherwood	6 Duncan Ave., Kirkland Lake, Ontario
Hudson Diamond Drilling Co. Ltd.	209 First Ave., Noranda, Quebec
Inspiration Mining & Development Co. Ltd.	170 Regina St., North Bay, Ontario
Kendrick & Duggan	Sioux Lookout, Ontario
Labine Bros.	Cochénour, Ontario
Larson, B.E.	Bathurst Mines, N.B.
La Rocque, T.E.	10 Frontenac St., Val d'Or, Quebec
Mikelait, J.A.	Evain, 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.	98 Cedar St., Sudbury, Ontario
McIsaac, R.M.	35 Church St., Flin Flon, Manitoba
National Diamond Drilling Co. Ltd.	Box 508, Rossland, British Columbia
Pacific Diamond Drilling Co. Ltd.	260 Industrial Ave., Vancouver, British Columbia
Paulson, John	26 Rowan Ave., Kirkland Lake, Ontario
Portelance Diamond Drilling	262 Murdock Ave., Noranda, Quebec
Patricia Diamond Drilling Co. Ltd.	McKenzie Island, Ontario
Plants Diamond Drilling Co.	129 Powell Ave., South Porcupine
Parmac Diamond Drilling & Exploration	Box 727, Flin Flon, Manitoba
Renaud Diamond Drilling Reg'd.	252 Murdock Ave., Noranda, Quebec
Rowan, Angus	99 Elm St. N., Timmins, Ontario
Smith & Travers Co. Ltd.	208 Walnut St., Sudbury, Ontario
Subterra Exploration Co. Ltd.	Box 233, Ferris, Ontario
Sprague & Henwood, Inc.	Box 446, Scranton, Pa., U.S.A.
Wilson, A.	Box 270, Noranda, Quebec

SECTION II

Contract Drilling for Fuels

Drilling for petroleum or natural gas direct or exploratory drilling for these minerals was reported by 143 contractors. The total reported footage was 8,454,269 feet and the income from operations amounted to \$51,216,235 compared respectively to 6,237,230 feet and \$42,988,013 in 1951. Rotary drilling amounted to 8,102,599 feet and 351,670 feet was done by cable drills. The firms owned 243 rotary drills and 89 cable drills.

Supplies purchased during the year included 6,776 tons of Bentonite, Rembina clay, etc. valued at \$411,389; 82 tons of barite valued at \$4,572 and 35,394 gallons of acid valued at \$28,117.

Drilling done by oil companies with their own equipment is not included in this report.

TABLE 8. Drilling Conducted During 1951 and 1952, by Contractors, for Petroleum, Natural Gas and Other Purposes not Included in Section 1 of this Report

Province	Footage drilled							Gross income from drilling	Average number of employees	Total salaries and wages paid
	For petroleum			For gas		For other purposes				
	Type of drill			Type of drill		Type of drill				
	Cable	Diamond	Rotary	Cable	Rotary	Cable	Rotary			
1951								\$		\$
Nova Scotia	—	—	—	—	—	9,308	—	65,544	11	23,219
Quebec	6,540	—	—	—	—	—	—	30,379	6	6,631
Ontario	32,978	—	—	237,238	—	10,280	—	749,075	108	248,379
Manitoba	—	—	12,287	—	—	1,869	—	124,838	21	56,056
Saskatchewan	—	446	226,766	92,082	4,737	4,221	—	2,301,176	330	792,969
Alberta	—	—	4,261,432	491,932	159,422	1,595	306,768	38,224,928	3,036	11,531,511
British Columbia	—	—	30,125	30,005	—	—	313,282	1,429,382	106	385,483
Northwest Territories	—	—	3,917	—	—	—	—	62,691	2	6,000
Canada	39,518	446	4,534,527	851,257	164,159	27,273	620,050	42,988,013	3,620	13,050,248
1952										
Newfoundland	—	—	—	—	—	1,177	—	10,638	2	3,399
Nova Scotia	—	—	—	—	—	24,011	—	75,079	22	37,245
Quebec	6,456	—	—	—	—	—	—	119,293	20	49,486
Ontario	51,048	—	—	256,847	—	7,746	—	932,022	132	316,369
Manitoba	—	—	110,686	—	—	1,329	—	1,112,622	141	397,548
Saskatchewan	—	—	1,012,815	—	123,520	2,833	100,360	10,274,570	801	2,891,665
Alberta	223	—	5,555,852	—	114,105	—	932,722	45,443,949	3,335	13,624,031
British Columbia	—	—	49,313	—	85,795	—	12,500	3,028,062	212	789,510
Northwest Territories	—	—	4,931	—	—	—	—	220,000	14	22,689
Canada	57,727	—	6,733,597	256,847	323,420	37,096	1,045,582	61,216,235	4,679	18,131,942

List of Contract Drillers, 1932

Name of firm	Head office address
Nova Scotia:	
Kennedy, O.V.	Bridgetown, Nova Scotia
Trask Will Drilling Co.	Stellarton, Nova Scotia
Quebec:	
Bédard, Albert	St-Rémi de Napierville, Quebec
Gloss, Vern M.	c/o Elliot Slaght, Gaspé, Québec
Shields, E.M.	c/o Elliot Slaght, Gaspé, Québec
Ontario:	
Ashton, J.L.	550 King St. W., Chatham
Carter, C.M.	Wallaceburg
Culver, Marvin, & Son	R.R.2, Selkirk
Culver, Orley	Stevensville
Davidson, Fred. L.	Wingham
Demaray & Nichols	Kerwood
Donald, T.	Hagersville
Ehde & Meier	Thamesville
Emerson & Rose	Wainfleet
Emerson, H.L.	R.R.1, Dunnville
Garringer, Wm.	161 Forest St. E., Dunnville
Heal, A.A.	Box 264, Watford
Held, Karl F. & Son	Fort Erie
House, C.C.	Stevensville
Hussey, W.J.	Petrolia
Irving, Donald	64 Culver St., Simcoe
Kiser, Wayne G. & Son	111 Victoria Ave., Chatham
Lymburner Bros. & Webber	Dunnville
Lyons, S., & Son	R.R.5, Simcoe
Mandley, Roy, & Son	Dunnville
McKillop, Wm.	389 Charlton Ave. W., Hamilton
McMaster, Robert, & Sons	Caledonia
McPherson, R.L.	851 Tuscarora St., Windsor
Nauman, H.V.	Fisherville
Nauman, J.R.	Fisherville
Patterson & Culver	Dunnville
Rawlings, George H.	19 Beatty St., Chatham
Rennick, S.	Bright
Roth, Harvey	R.R.9, Dunnville
Shank, Ernest	R.R.2, Selkirk
Stewart, Elgin	R.R.3, Jarvis
Stubble & Stubble	Merlin
Stubble, H.H.	225 Grand Ave., Chatham
Warren, Gordon	Box 187, Tillsonburg
Werner, David	Fisherville
Wilson Sullivan Development Co.	112 S. Christina St., Samia
Manitoba:	
Coyle, D.J.	796 McDermott Ave., Winnipeg
Owen Drilling Company	Overton, Texas, U.S.A.
Saskatchewan:	
Bilbo-Redding Drilling Company	Box 203, Houston, Texas, U.S.A.
Border Drilling Co. Ltd.	Lloydminster
Creelman, R.E., & Sons	1113 Ave. "B" North, Saskatoon
Gold Star Drilling Company	Box 544, Regina
Hawke Drilling Co. Ltd, The	101 McCallum-Hill Bldg., Regina
Palmer Drilling Co.	1921 South Railway St., Regina
Alberta:	
Althen Drilling Co. Ltd.	402-3 Maclean Block, Calgary
American Northland Oil Co. Ltd.	8035-102nd St., Edmonton
Arrow Drilling Co.	301 Leeson-Lineham Bldg., Calgary
Big Horn Drilling Ltd.	104 LaFleche Bldg., Edmonton
Brinkeroff Drilling Co. Ltd.	1001 Barron Bldg., Calgary
Burggren Exploration & Drilling Ltd.	11146-86th St., Edmonton

List of Contract Drillers, 1952 - Concluded

Name of firm	Head office address
Alberta - concluded:	
Canadian Drilling Company Limited	407-8 Alexander Bldg., Edmonton
Canbridge Corporation Limited	205 Alberta Block, Calgary
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary
Carroll Drilling Co. Ltd.	Lloydminster
Cascade Drilling Company Limited	531-8th Ave. W., Calgary
Central Leduc Drilling Co. Limited	224 Ninth Ave. W., Calgary
Combination Drilling Contractors	Forestburg
Commonwealth Drilling Co. Ltd.	122 Eight Ave. W., Calgary
Culbert Drillers Limited	Black Diamond
Devon Drilling Company Limited	213-6th Avenue W. Calgary
Double A Drilling Co. Ltd.	307 Rawleigh Bldg., Edmonton
Earthworm Drilling Company Limited	413-10th St. N. W., Calgary
Eason, T.T., & Company	10318-82nd Ave., Edmonton
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton
Futurity Oils Limited	200 Greyhound Bldg., Calgary
General Petroleum of Canada Limited	224 Ninth Ave. W., Calgary
Glenwood Drilling Ltd.	203 Rawleigh Bldg., Edmonton
Gustavson Drilling Co. Ltd.	8621-109th St., Edmonton
Hon Drilling Limited	1004 Barron Bldg., Calgary
Lea Park Drillers Limited	302-1st Ave. N., Saskatoon, Sask.
Lee, R.E. Drilling Co. Ltd.	808 Lancaster Bldg., Calgary
Lloyd Petroleum Drillers Ltd.	152-1st Ave. S., Saskatoon, Sask.
Lodestar Drilling Co. Ltd.	208 Alberta Block, Calgary
Loffland Brothers Company of Canada	Box 1649, Tulsa, Oklahoma, U.S.A.
Loggie Drilling Ltd.	10439-82nd Ave., Edmonton
Malta Drilling Co. Ltd.	10570-96th St., Edmonton
Marta Drilling & Development Co. Ltd.	8534-109th St., Edmonton
McIntyre & Webster Limited	500 Agency Bldg., Edmonton
Melvor Drilling Company Ltd.	400 Lancaster Bldg., Calgary
Medhurst, R.P., & Sons.	133A-6th Ave. E., Calgary
Merlin Drilling Ltd.	203 Rawleigh Bldg., Edmonton
Mountain Drilling Co. Ltd.	818-8th Ave. W., Calgary
Mowat, R.D. Limited	10454-82nd Ave., Edmonton
National Petroleum Corporation Limited	401 Leeson-Lineham Bldg., Calgary
Northway Drilling Limited	11146-86th St., Edmonton
Northwest Seismic Surveys Limited	413-10th St. N.W., Calgary
Parker Drilling Co. of Canada Limited	308-8th Ave. W., Calgary
Paul Guthrie Development Ltd.	10460-111th St., Edmonton
Petrolia Drilling Co. Ltd.	830-Eighth Ave. W., Calgary
Pic Development Company Limited	340-7th Ave. W., Calgary
Precision Drilling Co. Ltd.	133A-Sixth Ave. E., Calgary
Reading and Bates Drilling Co. Ltd.	1502 Philtower Bldg., Tulsa, Oklahoma, U.S.A.
Regent Drilling Co. Ltd.	Box 421, Edmonton
Scandie Drilling Co. Ltd.	905A-8th Ave. W., Calgary
Stewart Drilling Co. Limited	101 Alberta Block, Edmonton
Trident Drilling Co. Ltd.	803-8th St. W., Calgary
Trinidad Leaseholds (Canada) Limited	20 Alberta Block., Calgary
Trinity Canadian Drilling Company	214A-8th Ave. E., Calgary
Wakefield, Carl F.	307 Union National Bank Bldg., Wichita, Kansas, U.S.A.
Widney Oil Well Drilling & Service Corp. Ltd.	405A-8th Ave. W., Calgary
Wilderman Drilling Ltd.	620-8th Ave. W., Calgary
Young Drilling Company Limited	906 Lancaster Bldg., Calgary

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