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CONTRACT DRILLING IN THE MINING INDUSTRY

1950



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NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada — mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

The following reports constitute the complete volume 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, 25¢
- B The Gold Mining Industry, 50¢.
- C The Silver-Lead-Zinc Mining Industry, 30¢.
- D The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E The Miscellaneous Metal Mining Industry, 30¢.
- F The Non-ferrous Smelting and Refining Industry, 25¢.
- G The Coal Mining Industry, 75¢.
- H The Natural Gas and Crude Petroleum 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¢.
- O The Miscellaneous Non-Metal Mining Industry, 30¢.
- 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, 35¢.
- U Contract Drilling in the Mining Industry, 25¢.

CONTRACT DRILLING IN THE MINING INDUSTRY

1950

(Diamond drilling of deposits other than fuels)

Drilling activity during 1950 was greater than in 1949. There were 53 firms engaged in contract diamond drilling of Canadian mineral deposits, other than fuels, compared with 41 operators in 1949. Income received from drilling totalled \$9,492,679, an increase of 25 per cent from the income of \$7,570,454 in the preceding year. The average number of employees was estimated at 1,862, com-

pared with 1,415 in 1949, and the salaries and wages paid was \$4,532,903, compared with \$3,423,124 in the preceding year.

Equipment owned by the operators included 356 air or steam-driven drills, 406 gasoline-driven drills and 3 electric drills.

TABLE 1. Contract Diamond Drilling Operations, 1941 - 1950 (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 |
|----------------------------|------------------|----------------------|-----------------------------|-------------------------------|
| | | \$ | | \$ |
| 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 | 2,481,813 |
| 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 | | | | |
| Newfoundland..... | 52,990 | 247,631 | 37 | 90,885 |
| Nova Scotia..... | 17,645 | 38,663 | 15 | 10,380 |
| New Brunswick..... | 1,380 | 17,754 | 8 | 6,561 |
| Quebec..... | 1,369,852 | 2,154,980 | 390 | 950,454 |
| Ontario..... | 1,650,338 | 2,734,168 | 553 | 1,262,688 |
| Manitoba..... | 232,366 | 538,564 | 110 | 260,733 |
| Saskatchewan..... | 102,305 | 211,786 | 53 | 87,628 |
| Alberta..... | 58,321 | 349,680 | 66 | 177,869 |
| British Columbia..... | 1,104,007 | 891,378 | 111 | 352,773 |
| Yukon..... | — | — | — | — |
| Northwest Territories..... | 187,811 | 385,850 | 72 | 223,753 |
| Canada..... | 4,777,015 | 7,570,454 | 1,415 | 3,423,124 |
| 1950 | | | | |
| Newfoundland..... | 27,939 | 133,460 | 40 | 67,700 |
| Nova Scotia..... | — | — | — | — |
| New Brunswick..... | 7,191 | 12,190 | 5 | 5,011 |
| Quebec..... | 2,004,111 | 3,346,598 | 583 | 1,482,823 |
| Ontario..... | 1,975,301 | 3,909,931 | 872 | 2,029,791 |
| Manitoba..... | 174,044 | 394,156 | 80 | 211,479 |
| Saskatchewan..... | 114,929 | 227,928 | 47 | 96,281 |
| Alberta..... | 32,537 | 131,145 | 37 | 106,201 |
| British Columbia..... | 1,468,348 | 853,041 | 115 | 296,094 |
| Northwest Territories..... | 202,347 | 484,230 | 83 | 237,543 |
| Canada..... | 6,006,747 | 9,492,679 | 1,862 | 4,532,903 |

TABLE 2. Value of Stones, Readyset and Castset Bits Purchased by Contractors, 1941-1950

| Year | Value | Year | Value |
|------------|-----------|-----------|-----------|
| | \$ | | \$ |
| 1941 | 861,253 | 1946..... | 2,192,615 |
| 1942 | 634,233 | 1947..... | 1,418,831 |
| 1943 | 637,070 | 1948..... | 1,212,312 |
| 1944 | 810,085 | 1949..... | 1,379,793 |
| 1945 | 2,018,768 | 1950..... | 1,640,194 |

TABLE 3. Drilling Completed on Auriferous Quartz Deposits (Gold Mines) 1949 and 1950

| | Footage drilled | |
|---|-----------------|------------|
| | 1949 | 1950 |
| Diamond drilling for exploration and testing: | | |
| By mining companies with their own personnel and equipment..... | 647,821 | 525,482 |
| By diamond drilling contractors ¹ | 1,459,401 | 2,261,988 |
| Other diamond drilling: | | |
| Blast hole diamond drilling: | | |
| By mining companies with their own personnel and equipment..... | 270,014 | 272,281 |
| By diamond drilling contractors ¹ | 545,799 | 580,514 |
| Drilling by percussion or other machines ² | 34,480,521 | 36,580,081 |

1. Included in Table 1.

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

Value of diamonds purchased by gold mining companies in 1950 totalled \$323,005 compared with \$288,489 in 1949.

TABLE 4. Drilling Completed on Copper-Gold-Silver and Nickel-Copper Deposits, 1949 and 1950

| | Footage drilled | |
|--|-----------------|------------|
| | 1949 | 1950 |
| Diamond drilling for exploration and testing: | | |
| By mining companies with their own personnel and equipment | 172,101 | 233,302 |
| By diamond drilling contractors ¹ | 607,306 | 591,958 |
| Other diamond drilling: | | |
| Blast hole diamond drilling: | | |
| By mining companies with their own personnel and equipment | 1,999,735 | 3,167,452 |
| By diamond drilling contractors ¹ | 61,419 | 88,001 |
| Drilling by percussion or other machines ² | 22,869,021 | 24,223,523 |

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 1950 totalled \$1,185,394 compared with \$647,428 in 1949.

TABLE 5. Drilling Completed on Silver-Lead-Zinc and Silver-Cobalt Deposits, 1949 and 1950

| | Footage drilled | |
|--|-----------------|-----------|
| | 1949 | 1950 |
| Diamond drilling for exploration and testing: | | |
| By mining companies with their own personnel and equipment | 138,970 | 31,984 |
| By diamond drilling contractors ¹ | 317,908 | 467,301 |
| Other diamond drilling: | | |
| Blast hole diamond drilling: | | |
| By mining companies with their own personnel and equipment | 607,184 | 926,447 |
| By diamond drilling contractors ¹ | 22,857 | 80 |
| Drilling by percussion or other machines ² | 3,526,023 | 4,225,080 |

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 1950 amounted to \$172,072.

TABLE 6. Drilling Completed on Other Metal-Bearing Deposits, 1949 and 1950

| | Footage drilled | |
|--|-----------------|-----------|
| | 1949 | 1950 |
| Diamond drilling for exploration and testing: | | |
| By mining companies with their own personnel and equipment | 5,857 | — |
| By diamond drilling contractors ¹ | 36,108 | 113,128 |
| Other diamond drilling: | | |
| Blast hole diamond drilling: | | |
| By mining companies with their own personnel and equipment | 126,597 | 159,884 |
| By diamond drilling contractors ¹ | 2,918,385 | 2,402,468 |
| Drilling by percussion or other machines ² | | |

1. Included in Table 1.

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

TABLE 7. Drilling Completed on Asbestos Deposits, 1949 and 1950

| | Footage drilled | |
|--|-----------------|-----------|
| | 1949 | 1950 |
| Diamond drilling for exploration and testing: | | |
| By mining companies with their own personnel and equipment | 68,189 | 15,039 |
| By diamond drilling contractors ¹ | 179,069 | 99,143 |
| Other diamond drilling: | | |
| Blast hole diamond drilling: | | |
| By mining companies with their own personnel and equipment | 5,163 | 127,903 |
| By diamond drilling contractors ¹ | — | — |
| Drilling by percussion or other machines ² | 2,896,751 | 4,337,967 |

1. Included in Table 1.

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

Diamonds purchased by asbestos mining companies in 1950 cost \$50,316 compared with \$18,179 in 1949.

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, 1950

The data for 1950, 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, Anton | 20 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 |
| Avery, Roy W. | Larder Lake, 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, Larry | Box 133, Bourlamaque, Quebec |
| Burton, Archie S. | 352 Howey Crescent, Sudbury, Ontario |
| Brochu Diamond Drilling | Gateway P.O., North Bay, Ontario |
| Canadian Longyear Ltd. | Box 399, 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 |
| Demorest Drilling Ltd. | Box 190, Noranda, Quebec |
| Douville, Conrad | 50 Falardeau St., 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 | Barraute, 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 |
| Kelly & Lafrange | Cobalt, Ontario |
| Kendrick & Duggan | Sioux Lookout, Ontario |
| Kuntz, H.J. | Box 300, Malartic, Quebec |
| Labine Bros. | Cochenour, Ontario |
| Larson, B.E. | Val d'Or, Quebec |
| La Rocque, T.E. | 10 Frontenac St., Val d'Or, Quebec |
| Lipasti, E. | Larder Lake, Ontario |
| Mikelait, J. A. | Evain, Quebec |
| Morrisette Diamond Drilling Ltd. | Box 440, Halleybury, 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 |
| McIsaac R.M. | 35 Church St., Flin Flon, Manitoba |
| National Diamond Drilling Co. Ltd. | Box 508, Rossland, British Columbia |
| Odette & Francoeurs | Val d'Or, Quebec |
| Pacific Diamond Drilling Co. Ltd. | 367 East 2nd Ave., Vancouver, British Columbia |
| Parmac Diamond Drilling & Exploration Co. | 64 Main St., Flin Flon, Manitoba |
| Paulson, John | 26 Rowan Ave., Kirkland Lake, Ontario |
| Portelance Diamond Drilling | 472 Murdock Ave., Noranda, Quebec |
| Patricia Diamond Drilling Co. Ltd. | McKenzie Island, Ontario |
| Renaud Diamond Drilling Reg'd | 252 Murdock Ave., Noranda, Quebec |
| Rowan, Angus | 119 Elm St. N., Timmins, Ontario |
| Smith & Travers Co. Ltd. | 208 Walnut St., Sudbury, Ontario |
| Subterra Exploration Co. Ltd. | Box 425, North Bay, Ontario |
| Sprague & Henwood, Inc. | Box 446, Scranton, Penna. |
| Wilson, A. | 16 B Ave., Noranda, Quebec |

SECTION II

Contract Drilling for Fuels

Drilling for petroleum or natural gas directly or exploratory drilling for these minerals was reported by 72 contractors. The total reported footage was 3,790,455 feet, and the income from the operations amounted to \$23,429,058 compared, respectively, with 3,536,088 feet and \$23,719,531 in 1949. Rotary type drills were used for a total

of 3,480,315 feet, cable type for 308,008 feet and a small amount was done by diamond drill. There were 2,254 persons employed to whom \$7,338,591 was distributed in salaries and wages.

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

TABLE 8. Drilling Conducted During 1949 and 1950 by Contractors for Petroleum, Natural Gas and Other Purposes not Included in Section I 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 | | | Type of drill | | | | | | | | |
| | Cable | Diamond | | Rotary | Cable | Diamond | Rotary | Cable | Diamond | | | | | | |
| 1949 | | | | | | | | | | \$ | | \$ | | | |
| Nova Scotia | — | — | — | — | — | — | — | 11,562 | — | — | 66,313 | 12 | 14,016 | | |
| Ontario | 70,187 | — | — | 221,117 | — | — | — | 11,785 | — | — | 707,120 | 147 | 272,044 | | |
| Manitoba | — | — | — | — | — | — | — | 3,863 | — | — | 31,875 | 5 | 9,419 | | |
| Saskatchewan | — | — | 79,901 | — | — | — | — | 7,712 | — | 5,903 | 517,125 | 138 | 85,962 | | |
| Alberta | — | — | 2,330,753 | — | — | 29,851 | — | 753 | 755,608 | 22,351,956 | 1,715 | 5,896,604 | | | |
| British Columbia.. | — | — | 1,893 | — | — | — | — | — | 5,200 | 45,142 | 22 | 15,704 | | | |
| Canada | 70,187 | — | 2,412,547 | 221,117 | — | 29,851 | 34,922 | 753 | 766,711 | 23,719,531 | 2,039 | 6,293,749 | | | |
| 1950 | | | | | | | | | | | | | | | |
| Nova Scotia | — | — | — | — | — | — | 10,876 | — | — | — | 65,973 | 12 | 15,177 | | |
| Ontario | 73,076 | — | — | 197,928 | — | — | 15,421 | — | — | — | 649,180 | 113 | 231,030 | | |
| Manitoba | — | — | — | — | — | — | 3,635 | — | 1,809 | — | 46,159 | 7 | 13,526 | | |
| Saskatchewan | — | — | 102,722 | — | — | — | 6,768 | — | 21,498 | — | 874,029 | 146 | 283,852 | | |
| Alberta | 304 | — | 2,958,552 | — | — | 27,624 | — | 2,132 | 352,732 | 21,509,280 | 1,952 | 6,688,587 | | | |
| British Columbia.. | — | — | 15,378 | — | — | — | — | — | — | — | 284,437 | 24 | 106,419 | | |
| Canada | 73,380 | — | 3,076,652 | 197,928 | — | 27,624 | 36,700 | 2,132 | 376,039 | 23,429,058 | 2,254 | 7,338,591 | | | |

List of Contract Drillers, 1950

| Name of firm | Head office address |
|--------------------------|--------------------------------|
| Nova Scotia: | |
| Kennedy, O.V. | Bridgetown |
| Ontario: | |
| Ashton, J.L. | 550 King St. W., Chatham |
| Carter & Kidd. | Box 51, Wallaceburg |
| Culver, Marvin, & Son | R.R.2, Selkirk |
| Culver, Orley | Stevensville |
| Davidson L., & Son | Wingham |
| Demaray & Nichols | Kerrwood |
| Dennis, Gordon A. | Selkirk |
| Donald, T. | Hagersville |
| Ehde & Meier | Thamesville |
| Emerson, H.L. | R.R.1, Dunnville |
| Garringer, Wm. | Dunnville |
| Goodfellow, G.W. | Dunnville |
| Heal, A.A. | Box 264, Watford |
| Hodgson, Ray | Vittoria |
| House, C.C. | Stevensville |
| Hussey, W.J. | Petrolia |
| Irving, Donald | 64 Culver St., Simcoe |
| Kiser Bros. | Chatham |
| Lather, Donald | Thamesville |
| Lymburner Bros. & Webber | Dunnville |
| Lyons, S. & Son | R.R.5, Simcoe |
| Mandley, Roy | Dunnville |
| McCutcheon, T.O. | 225 Broad St. E., Dunnville |
| McKillop, Wm. | 389 Charlton Ave. W., Hamilton |
| McLister, J.J. | Box 302, Dunnville |
| McMaster, R., & Sons | Caledonia |
| McPherson, R.L. | 851 Tuscarora St., Windsor |
| Nagel, Elmer | Stevensville |
| Nauman, H.V. | Fisherville |
| Nauman, J.R. | Fisherville |
| Nauman, W.R. | Box 7, Selkirk |
| Patterson & Culver | Dunnville |
| Renwick, S. | Bright |
| Roth, Harvey | R.R.9, Dunnville |
| Shank Bros. | R.R.2, Selkirk |
| Stewart, Elgin | R.R.3, Jarvis |
| Stubble, H.H. | 225 Grand Ave., Chatham |
| Stubble & Stubble | Merlin |
| Warren, Gordon | Box 187, Tillsonburg |
| Werner, David | Fisherville |
| Manitoba: | |
| Coyle, D.J. | 796 McDermott Ave., Winnipeg |

List of Contract Drillers, 1950 — concluded

| Name of firm | Head office address |
|---|--|
| Saskatchewan: | |
| Creelman, R.E., & Sons | 1113 Ave. "B" North, Saskatoon |
| Mowatt & Babb Ltd. | Box 519, Lloydminster |
| Shaw Petroleum Co. Ltd. | Box 159, Lloydminster |
| Withers, C.H., Drilling Contractors Ltd. | Lloydminster |
| Alberta: | |
| Althen Drilling Co. Ltd. | 502 Maclean Block, Calgary |
| Arrow Drilling Company | 301 Leeson-Lineham Bldg., Calgary |
| Brinkerhoff Drilling Co. Ltd. | 412 Lancaster Bldg., Calgary |
| Bush, Orrin D. | 15-231-8th Ave. W., Calgary |
| Can-Tex Drilling Co. Ltd. | 609 Lancaster Bldg., Calgary |
| Cascade Drilling Co. Ltd. | 605A-8th Ave. W., Calgary |
| Combination Drilling Contractors | Forestburg |
| Commonwealth Drilling Co. Ltd. | 122-8th Ave. W., Calgary |
| Culbert Drillers Ltd. | Black Diamond |
| Eason, T.T., & Company | 10237-98th Street, Edmonton |
| General Petroleum of Canada Ltd. | 509-8th Ave. W., Calgary |
| Hanna Bros. Ltd. | Drawer "S", Lloydminster |
| Kortmeyer, Fred..... | Black Diamond |
| Loestar Drilling Co. Ltd. | 208 Alberta Block, Calgary |
| Loffland Brothers Company of Canada..... | Box 1649, Tulsa, Oklahoma, U.S.A. |
| McIvor Drilling Company Ltd. | 400 Lancaster Bldg., Calgary |
| Medhurst, R.P., & Sons | 208 Burns Bldg., Calgary |
| National Petroleum Corporation Limited | 401 Leeson-Lineham Bldg., Calgary |
| Northway Drilling Limited | Box 609, Edmonton |
| Northwest Seismic Survey Ltd. | 414-10th St. N.W., Calgary |
| O'Meara Canadian Drilling Co. Ltd. | 8420-109th St., Edmonton |
| Parker Drilling Company of Canada | 418 National Bank of Tulsa Bldg., Tulsa, Okla., U.S.A. |
| Regent Drilling Co. Ltd. | Box 421, Edmonton, Alta. |
| Stewart Drilling Company, Limited..... | 116 Alberta Block, Edmonton |
| Trinity Canadian Drilling Company | 5 Sheldon Bldg., Calgary |
| Young Drilling Company Limited | 902 Lancaster Bldg., Calgary |

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