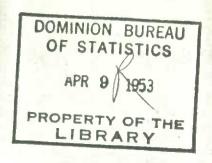
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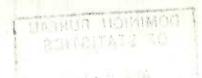
THE FELDSPAR AND QUARTZ MINING INDUSTRY 1951

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: Volume I—The Primary Industries, including mining, forestry and fisheries; Volume II—Manufacturing; Volume III—Construction; Volume IV—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¢.

O-The Miscellaneous Non-Metal Mining Industry, 25¢.

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 Diamond Drilling in the Mining Industry, 25¢.

THE FELDSPAR AND QUARTZ MINING INDUSTRY 1951

Owing to the very close physical association of feldspar and quartz in many Canadian deposits (pegmatites), it is difficult for some operators to make a separation of all data pertaining to the mining of each individual mineral; for this reason, the general statistics relating to employment, fuel and electricity, etc., have been combined in this report. Since 1936, corresponding statistics relating to the production of nepheline syenite have been included with those pertaining to the commercial production of feldspar and quartz.

Production during 1951 as measured by the sales of feldspar, nepheline syenite and quartz, but

excluding containers, was valued at \$3,909,967 compared with \$3,021,555 in the preceding year.

Feldspar production came entirely from Ontario and Quebec; nepheline syenite came from Ontario only; and quartz (silica) in various forms was produced in Nova Scotia, Quebec, Ontario, Saskatchewan and British Columbia.

The industry employed 532 persons and distributed \$1,402,294 in salaries and wages. Fuel cost \$263,586 and 7,663,356 k.w.h. of electricity was purchased for \$78,702; process supplies, containers and freight amounted to \$477,985.

TABLE 1. Principal Statistics of the Feldspar and Quartz Mining Industry, by Provinces, 1950 and 1951

| + | Que | bec | Other pro | ovinces 1 | Car | nds |
|--|----------|-----------|-------------|-------------|-------------|-------------|
| | 1950 | 1951 | 1950 | 1951 | 1950 | 1951 |
| | 1.1 | -12-11 | 212-21 | | | |
| Number of active firms 2 | 19 | 20 | 17 | 13 | 36 | 33 |
| Number of shipping mines | 17 | 17 | 16 | 13 | 33 | 30 |
| Number of employees: | | | | | | |
| Administration | 10 | 12 | 35 | 38 | 45 | 50 |
| Workmen | 186 | 189 | 245 | 293 | 431 | 482 |
| Total | 196 | 201 | 280 | 331 | 476 | 532 |
| Earnings: | | | | - | | |
| Administration\$ | 24, 292 | 32, 229 | 124,490 | 150,046 | 148,782 | 182, 275 |
| Workmen\$ | 377, 445 | 429,823 | 529,902 | 790, 196 | 907, 347 | 1, 220, 019 |
| Total\$ | 401, 737 | 462,052 | 654, 392 | 940, 242 | 1, 056, 129 | 1,402,294 |
| Gross value of shipments, f.o.b. shipping | 887, 634 | 1,061,889 | 2, 133, 921 | 2,864,634 | 3,021,555 | 3,926,523 |
| Cost of fuel and purchased electricity \$ | 70,447 | 86,008 | 108,998 | 177, 578 | 179,445 | 263,586 |
| Cost of process supplies, freight and containers | 193, 332 | 242, 126 | 95, 191 | 235, 859 | 288,523 | 477, 965 |
| Net value of production\$ | 623, 855 | 733,755 | 1,929,732 | 2, 451, 197 | 2,553,587 | 3, 184, 952 |

Includes data relating to nepheline syenite. Includes plants in Ontario, Saskatchewan, Alberta and British Columbia.
 Small shippers whose production is recorded from consumers' returns are sometimes not included in the total.

TABLE 2. Principal Statistics of the Feldspar and Quartz Mining Industry 1, 1942-1951

| | Year | Number of shipping mines | Number of em- ployees | Salaries and wages | Cost of purchased fuel and electricity at works | Cost of process supplies at works | Gross value of shipments, f.o.b. works |
|------|---|-----------------------------------|-----------------------------|--------------------------|---|-----------------------------------|--|
| | | 11/3/4 | Hali | \$ | \$ | \$ | 1001\$ |
| 1942 | ************************************** | 34 | 533 | 782, 903 | 124, 100 | 287,928 | 1,998,996 |
| 1943 | *************************************** | 34 | 535 | 768, 199 | 134. 247 | 322, 605 | 2, 138, 229 |
| 1944 | 34 | 41 | 529 | 772, 385 | 166, 501 | 241, 400 | 2, 104, 030 |
| 1945 | 0-1-0 | 27 | 483 | 767,517 | 180,799 | 220.873 | 2,093,880 |
| 1946 | 00 0000 | 30 | 517 | 876,034 | 161, 208 | 180, 207 | 2, 168, 673 |
| 1947 | ************************************* | 31 | 593 | 1, 134, 107 | 221, 166 | 376. 570 | 2.641.857 |
| 1948 | 727000000000000000000000000000000000000 | 34 | 562 | 1, 184, 257 | 214,580 | 340.733 | 3, 265, 065 |
| 1949 | *************************************** | 27 | 442 | 946,268 | 146, 379 | 216, 206 | 2, 742, 703 |
| 1950 | 74 70 0000 00 50 00 00 00 00 00 00 00 00 00 | 33 | 476 | 1,056,129 | 179, 445 | 173, 123 | 3,021,555 |
| 1951 | 0.0 T 4.5 4.7 4.5 7.7 7.7 7.0 0.0 1.7 7.0 1.0 0.1 7.7 6.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 30 | 532 | 1,402,294 | 263,586 | 318, 493 | 3, 184, 952 |

1. Includes nepheline syenite.

TABLE 3. Number of Workmen, by Months, 1951

| 80 80 1 | 1950 | | | 1951 | | |
|----------|--------|------|--------|-------------|------|-------|
| Month | Total | | ice | Underground | Mill | Total |
| | 1 ocai | Male | Female | Male | Male | TOUR |
| | No. | | Here. | 110-11 | THE | =139 |
| January | 326 | 253 | 1 | 30 | 122 | 406 |
| February | 327 | 260 | 1 | 30 | 110 | 401 |
| March | 341 | 263 | 1 | 30 | 129 | 423 |
| April | 337 | 312 | 1 | 30 | 121 | 464 |
| Aay | 467 | 341 | 1 | 35 | 134 | 511 |
| une | 490 | 354 | 1 | 34 | 132 | 52: |
| uly | 528 | 347 | 1 | 37 | 139 | 524 |
| August | 495 | 362 | 1 | 36 | 143 | 542 |
| eptember | 508 | 361 | 1 | 38 | 149 | 549 |
| October | 476 | 340 | 1 | 39 | 150 | 530 |
| icvember | 410 | 274 | _ | 28 | 163 | 465 |
| December | 407 | 245 | | 28 | 170 | 443 |
| Average | 431 | 316 | 1 | 33 | 132 | 4.83 |

FELDSPAR

Feldspar, crude and ground, produced in 1951 amounted to 40,749 tons valued at \$551,097 compared with 35,548 tons valued at \$428,401 in 1950. The output in Quebec declined from 29,788 tons to 28,000 tons, but in Ontario the shipments increased from 5,760 tons in 1950 to 12,749 in 1951.

The greater part of the production of feldspar is used in the pottery, glass, enamelware and other ceramic trades, and the remainder mainly in scouring soaps and cleansers, and for bonding of fired abrasive wheels and other shapes. Some coarsely crushed spar, usually made from impure waste or

quarry fines, is sold for stucco dash, artificial stone, chicken grit, etc. Small tonnages of specially selected crude (dental spar) are used in the manufacture of artificial teeth, and such material commands a large premium.

Most of the feldspar used is of the high-potash type, though some high-soda spar is used for blending purposes and in low-fired enamels and glazes. Practically all colours are equally acceptable for ceramic uses, but for cleanser purposes the pale shades of white to buff are demanded.

TABLE 4: Production of Feldspar, Crude and Ground, by Provinces, 1942-1931

| | | Quebec | | Ontario | | Canada | |
|------|--|---------|----------|---------|---------|---------|----------|
| | | Tons | \$ | Tons | \$ | Tons | \$ |
| | | | | - 1 | | | |
| 1942 | 100 PG 150 100 100 700 700 700 700 700 700 700 70 | 16,802 | 164,588 | 5,468 | 49,353 | 22, 270 | 213,941 |
| 1943 | C 1 4 2 2 4 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 17, 199 | 176, 222 | 6,659 | 61,549 | 23,858 | 237,771 |
| 1944 | 0.000 (1) 30 30 40 50 40 50 70 60 60 60 60 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70 | 17,842 | 177,271 | 5,667 | 50,361 | 23,509 | 227,632 |
| 1945 | 0 60 0 4 0 0 4 0 0 7 0 0 0 0 0 0 0 0 0 0 0 | 26, 389 | 247, 242 | 3,857 | 35, 414 | 30, 246 | 282,656 |
| 1946 | 400 000 000 000 000 000 000 000 000 000 | 29,758 | 330,981 | 5,485 | 53,696 | 35,243 | 384,677 |
| 1947 | 480 0000 0000 0000 0000 0000 0000 0000 | 29, 146 | 320,964 | 6,958 | 60, 396 | 36, 104 | 391, 360 |
| 1948 | | 42,800 | 464,926 | 12,051 | 99,511 | 54,851 | 564, 437 |
| 1949 | 404000000000000000000000000000000000000 | 31,848 | 384,892 | 5, 100 | 43,610 | 36,948 | 428, 502 |
| 1950 | 48024208700444870200044710200048700000000000000000000000000000000 | 29,788 | 378,782 | 5,760 | 49,619 | 35,548 | 428, 401 |
| 1951 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 28,000 | 425,370 | 12,749 | 125,727 | 40,749 | 551,097 |

TABLE 5. Consumption of Ground Feldspar, 1948-1951

| | 1948 | 1949 | 1950 | 1951 |
|---|---------|---------|---------|---------|
| 100 000 | | Ton | 15 | |
| (a) By uses | | TE I | | |
| Glass | 2,744 | 2,902 | 4,286 | 3,484 |
| Scouring powders | 3,817 | 3, 164 | 2,831 | 3, 127 |
| Abrasives | 42 | 15 | 9 | 32 |
| Clay products (pottery, tile, insulators, etc.) | 8,443 | 7, 111 | 6,911 | 6, 786 |
| Enamelling | 1,815 | 1,966 | 1,849 | 1,660 |
| Total | 16, 861 | 15,158 | 15, 886 | 15, 089 |
| (b) By provinces | | | | |
| Quebec | 6,846 | 7,227 | 8,921 | 8,558 |
| Ontario | 8,853 | 7,503 | 5,868 | 6, 125 |
| Alberta | 1, 162 | 428 | 1,097 | 406 |
| Canada | 16, 861 | 15, 158 | 15, 886 | 15, 089 |

TABLE 6. Imports and Exports of Feldspar, 1949-1951

| | 1949 | | 49 1950 | | 1951 | |
|-----------------|--------|---------|---------|----------|--------|---------|
| | Tons | \$ | Tons | \$ | Tons | \$ |
| Imports: | | | | 3 | | |
| Crude feldspar | 1 | 31 | 2 | 59 | 6 | 621 |
| Ground feldspar | 227 | 4,524 | 142 | 3, 643 | 188 | 4, 294 |
| Exports: | | | | | | |
| Feldspar | 17,570 | 111,915 | 15, 465 | 112, 757 | 19,832 | 173,821 |

TABLE 7. World Production of Feldspar, by Countries 1, 1947-1950 (Taken from the Minerals Yearbook published by the United States Bureau of Mines)

| Country 1 | 1947 | 1948 | 1949 | 1950 |
|-------------------------------|----------|----------|----------|----------|
| | 5.41 | Metric | tons | |
| Argentina (shipments): | 5,000 | 2 | 2 | 2 |
| Australia ³ | 8,566 | 9.767 | 10,902 | 8,7594 |
| Austria | 951 | 1.144 | 1.912 | 2 |
| Brazil | 2 | 189 | - 1 | 2 |
| Canada (shipments) | 32,753 | 49,760 | 33,518 | 29,187 |
| Chile | 217 | 885 | - 1 | 2 |
| Czechoslovakia | 2 | 2 | 2 | 2 |
| Eritrea | 150 | 300 | 200 | 2 |
| Finland | 6.781 | 6,064 | 10.074 | 8,000 |
| France | 44, 104 | 55,343 | 45,000 | 42,000 |
| Germany: Federal Republic | 21, 251 | 32,921 | 49.544 | 2 |
| India | 1.750 | 1,003 | 863 | 2 |
| Israel and Jordan | 19 | 2 | 2 | 2 |
| Italy | 9,582 | 13,469 | 10,901 | 14,254 |
| Japan | 21, 496 | 25, 0775 | 20,0555 | 18, 1875 |
| Kenya | 36 | 10 | 20 | 2 |
| Madagas car | - I | - | 2 | 2 |
| Norway | 22, 140 | 33, 117 | 21,9326 | 20,846 |
| Реп | 29 | 210 | 2 | 2 |
| Portugal | 1.137 | 1,560 | 2 | 2 |
| Southern Rhodesia | _ | - | | 3,520 |
| Spain (quarry)7 | 3,333 | 6,600 | 396 | 1,650 |
| Sweden | 37,953 | 38,687 | 38,959 | 2 |
| Union of South Africa (sales) | 1,676 | 2, 101 | 3, 259 | 5, 147 |
| United Kingdom | _ | - | - | 2 |
| United States (sold or used) | 467, 292 | 468, 107 | 375,307 | 414, 472 |
| Uniguay | 843 | 4,877 | 811 | 710 |
| Total | 700,000 | 768, 000 | 640, 000 | 671,000 |

- 1. In addition to countries listed, feldspar is produced in China, Romania and U.S.S.R. but data are not available.
- 2. Data not available; estimate included in total.
- Includes some china stone.
 Excluding South Australia.
- 5. In addition the following quantities of aplite and other feldspathic rock were produced: 1948, 35,840 tons; 1949, 50,943 tons and 1950, 45,679 tons.
 - 6. Exports.
 - 7. There is some additional production of feldspar, but comparable figures are not available.
 - 8. Estimated. No estimates included for countries listed in footnote 1, except Romania.

NEPHELINE SYENITE

During 1951 the shipments of nepheline syenite, were valued at \$1,114,943 compared with \$842,886 in 1950. Exports of crude and milled nepheline syenite were 59,777 tons valued at \$857,236 compared with 54,351 tons worth \$619,202 in the preceding year. In Canada the sole producer is the American Nepheline Corporation Limited with mine and mill near Lakefield, Ontario.

Nepheline syenite is a quartz-free rock consisting essentially of nephelite and albite and of microline feldspar. It usually contains small amounts of iron-bearing impurities chiefly magnetite, hematite and biotite mica, as well as such minor accessory minerals as sodalite, cancrinite, corundum, Zircon, muscovite, mica, calcite, etc. In the developed Canadian deposits, iron-bearing impurities are of coarse sizes and can be readily removed from the crude rock by magnetic means. Other objectionable minerals, notably corundum and muscovite, can be extracted by flotation methods with the recovery of commercial grades of such products. Nepheline syenite is relatively high in alumina (24 per cent in average Canadian commercial rock) compared with straight feldspar (17 to 20 per cent) and for this reason it is used as a feldspar substitute in a number of ceramic industries more especially in the glass trade.

TABLE 8. Production 1 of Nepheline Syenite, 1942-1951

| Year | Selling value f.o.b. shipping point | Year | f.o.b. | elling value shipping point |
|------|--|------|--------|--------------------------------------|
| | | | 150 | \$ |
| 1942 | 246, 893 | 1947 | 341 | 341, 635 |
| 1943 | 292, 010 | 1948 | 1.5 | 506, 462 |
| 1944 | 2 17, 9 89 | 1949 | | 623,002 |
| 1945 | 275, 766 | 1950 | | 84 2, 886 |
| 1946 | 229, 198 | 1951 | 1 | , 114, 943 |

^{1.} Only one or two producers in recent years; quantity not available for publication.

TABLE 9. Consumption of Ground Nepheline Syenite, 1948-1951

| | 1948 | 1949 | 1950 | 1951 |
|----------------------|---------|---------|---------|---------|
| | Has . | To | ns | |
| (a) By uses | | | 3 | |
| Plass and glass wool | 10,916 | 12, 589 | 12, 523 | 13, 849 |
| Pottery | 5 18 | 1, 081 | 1, 289 | 1,767 |
| Total | 11, 434 | 13, 670 | 13, 812 | 15, 616 |
| (b) By provinces | | | | |
| Quebec | 2,031 | 1,925 | 2, 137 | 2,918 |
| Ontario | 7,734 | 10, 150 | 9, 914 | 10, 889 |
| Ober | 1,669 | 1, 595 | 1, 761 | 1, 809 |
| Total | 11, 434 | 13, 670 | 13, 812 | 15, 616 |

QUARTZ (SILICA)

Production of quartz or siliceous material during 1951 totalled 1,904,885 tons valued at \$2,258,468 compared with 1,730,695 tons worth \$1,740,268 in 1950. Output included crude and crushed quartz, quartzite and sandstone as well as natural silica sands and gravels.

In Nova Scotia shipments of silica were made to steel plants chiefly for use in making silica brick; the quantity and value of this material are not shown in this review but are included in the silica-brick industry. In Quebec substantial tonnages of silica rock were crushed and screened for use in the manufacture of ferrosilicon or further milled to produce sand for silicon carbide. In Ontario most of the shipments were for use in making silica brick, silicon carbide and ferrosilicon and for the fluxing of nickel-copper ores. In Saskatchewan the output consisted of low-grade natural silica sands or gravels for use as flux at the Flin Flon smelter of the Hudson Bay Mining and Smelting Co., Ltd.

TABLE 10. Production of Quartz (Silica), 1942-1951

| Year | Year Tons \$ Year | | Tons | \$ | |
|----------------------|-------------------------------------|-----------|----------------------|-------------------------------------|-------------------------------------|
| 1942 1943 1944 | 1,738,174 1,776,749 1,740,262 | 1,608,448 | 1947 1948 1949 | 1,836,428 2,017,262 1,722,476 | 1,796,812 2,082,573 1,588,531 |
| 1945 | 1,513,628 1,413,378 | 1,535,458 | 1950 | 1,730,695 1,904,885 | 1,740,268 2,258,468 |

TABLE 11. Production of Quartz, by Provinces, 1950 and 1951

| | 1950 | | 1951 | |
|---------------------------------------|-------------|-----------|-------------------------|-------------|
| | Tons | \$ | Tons | \$ |
| Production (Shipments) ¹ : | 182, 727 | 498,852 | 220,698 | 579,633 |
| Ontario | 1, 386, 833 | 1,027,791 | 1, 545, 137 120, 769 | 1,497,811 |
| Saskatchewan and Alberta | 141, 565 | 121, 928 | 18, 281 | 113, 393 |
| Canada | 1,730,695 | 1,740,268 | 1, 904, 885 | 2, 258, 468 |

^{1.} Includes both crude and crushed quartz, crushed sandstone and quartzite, and natural silica sands.

TABLE 12. Production of Natural Low-Grade Silica Sand and Silica Gravel as Non-Ferrous Smelter Flux, 1949-1951

| | 1949 | | 1950 | | 1951 | |
|---------|----------------------|------------------|--------------------|-------------------|--------------------|---------------------|
| | Tons | \$. | Tons | \$ | Tons | \$ |
| Ontario | 634, 321 127, 297 | 91,487 63,649 | 704,717 141,265 | 1 10, 252 88, 997 | 683,954 120,769 | 131, 379 67, 631 |
| Canada | 761, 618 | 155, 136 | 845, 982 | 199, 249 | 804,723 | 199, 010 |

^{1.} Included in totals shown in Tables 10 and 11.

TABLE 13. Imports and Exports of Silica, 1950 and 1951

| | 1950 | | 1951 | |
|-------------------------------|----------|-----------|---------|-----------|
| | Tons | \$ | Tons | \$ |
| | | | | |
| Imports: | | | | |
| Ground flint stone | 939 | 31,081 | 1, 231 | 36, 705 |
| Ganister | 128 | 1,517 | 144 | 2,091 |
| Silica sand for manufacturing | 573, 362 | 1,564,948 | 692,937 | 1,991,033 |
| Silex or crystallized quartz | 24,757 | 407,883 | 30, 398 | 2,869,578 |
| Silica fire brick | _ | 1,012,041 | - | 2,054,816 |
| Exports: | 1.1.3 | | | (E) |
| Quartzite | 195, 430 | 540,940 | 281,379 | 838, 227 |

TABLE 14: Available Statistics on the Consumption of Silica Sand and Ground Quartz
1948-1950

| | 1948 | 1949 | 1950 |
|------------------------------------|----------------------|---------|--------------|
| | Tons of 2,000 pounds | | |
| By industries | | | |
| by industries | | | |
| Paints, pigments and varnishes | 1,897 | 1,668 | 1,630 |
| Soaps and cleaning compounds | 5,907 | 6,304 | 5,98 |
| lay products | 8,002 | 7,630 | 7,50 |
| Asbestos products | 87 | 2,974 | 5, 16 |
| iscellaneous non-metallic minerals | 5, 160 | 1,908 | 1,03 |
| cooling paper | 2,608 | 3,020 | 3, 22 |
| lass | 175, 594 | 156,914 | 181,97 |
| rtificial abrasives | 85,061 | 82,820 | 72, 33 |
| ertilizers | | 1/2 | 7.7 |
| on castings | 7, 164 | 4,433 | 4.33 |
| Cooking and heating apparatus | 1,748 | 1,697 | 1.33 |
| follers, tanks and plate work | 416 | 170 | 23 |
| 'arm implements | 931 | 1,065 | 8 |
| | 8, 162 | 2,970 | 4, 54 |
| sailway rolling stock | 361 | 2,910 | 1 2,01 |
| atches | 4 | | |
| weeping compounds | 10.61 | 0.03 | |
| Isinfectants | 34 | 00 488 | 2 00 01 |
| rimary iron and steel | 85, 276 | 98,477 | 67, 3 |
| eavy chemicals | 20,556 | 18, 128 | 19,8 |
| iscellaneous chemicals | 149 | 556 | 1,00 |
| tone products | 992 | 314 | 9 |
| achinery | 1, 225 | 1, 679 | 2, 7 |
| lectrical apparatus | 541 | 485 | 6 |
| ement manufacturing | 47,749 | 48, 124 | 52, 5 |
| Cement products | 701 | 939 | 8 |
| liscellaneous iron and steel | 43 | | |
| Total | 460, 368 | 442,275 | 436, 0 |
| | | | |
| By provinces | | | |
| ag provinces | | | |
| iova Scotia | 2,774 | 2,312 | 2, 2 |
| lew Brunswick | 443 | 494 | 1 |
| Webec | 213,971 | 185,752 | 200,2 |
| onterio | 186, 040 | 199,466 | 174, 4 |
| lanitoba | 25,672 | 26, 203 | 29,0 |
| saskatchewan | 15 | 4 | |
| Aberta | 26, 849 | 22,942 | 25, 1 |
| British Columbia | 4,604 | 5, 102 | 4, 9 |
| Canada | 460, 368 | 442,275 | 436,0 |

^{1.} Included in miscellaneous chemicals.

List of Firms in the Feldspar and Quartz Mining Industry, 1951

| Name of firm Head office address | | Location of mine or mill | |
|---|--|-----------------------------------|--|
| | | | |
| Nova Scotia; | | 1 200 | |
| Dominion Steel & Coal Corp. Ltd. 1 | Sydney | Chegoggin Point Leitches Creek | |
| Quebec: | | | |
| Assad, Adélard ² | D. Jose Buchla has | | |
| Bigelow, Gordon ² | Box 322, Buckingham | Buckingham Derry Tp. | |
| Bigelow, Robt. 2 | Buckingham | Portland East Tp. | |
| Bigelow & McDowell | Glen Almond | Derry Tp. | |
| Bon Ami Ltd. 2,3 | 13719 Notre Dame St. E., Montreal | Montreal | |
| Broullet Sand & Gravel Co. Ltd. 1 | Rawdon | Rawdon | |
| Buckhill Minerals Ltd, 1, 2 | 7 Brule Terrace, Toronto 3, Ontario | Buckingham | |
| Burke Bros ² Canadian Carborundum Co, Ltd. ^{1,3} | R. R. No. 1, Thurso | Buckingham Tp. | |
| Canadian Flint & Spar Co. Ltd. 1,2,3 | Box 57, Niagara Falls, Ontario | St. Canut Buckingham | |
| Clement, Hormidas 2.1 | Glen Almond | Derry Tp. | |
| Donaldson, Gordon 1, 2 | Glen Almond | Buckingham | |
| Goyer, E., & Son' | St. Bruno | St. Hilaire | |
| H.C.F. Sands Ltd. 1 | Noranda | St. Bruno de Guigues | |
| Grenier & Fortin ² Laroque & Hébert ^{1,2} | 61 Murray St., Ottawa, Ontario | Portiand Tp. | |
| Lachaine, Régis ² | Glen Almond | Buckingham | |
| Mullen, A. W. H. 2 | St. Pierre de Wakefield | Wakefield | |
| Parcher, Farl 1,2 | 191 Powell Ave., Ottawa, Ontario | Buckingham Derry Tp. | |
| McGill, Lawrence 4 | Pointe-au-Chêne | Grenville | |
| St. Lawrence Alloys & Metals Ltd. 1,3 | | Beauharnois Co. | |
| Suzorite Co. Ltd. 2 | 907 Dominion Square Bldg., Montreal | Shawinigan Falls | |
| Valley, Percy ² Wallingford, E. 1,2 | Buckingham | Buckingham Tp. | |
| Wallingford, E. 1, 2 | Perkins | Templeton | |
| Wallingford, Wm. & A.O. 1, 2 | Gatineau Point | Templeton | |
| Ontario: | | THE | |
| American Nepheline Corp. 3.5 | | Methuen Tp. | |
| Algoma Steel Corporation Ltd. 1 | Sault Ste Marie | Deroche Tp. | |
| Bowser Bros ² Burks Falls Feldspar Syndicate Ltd. ² | Box 73, Madawaska | Madawaska Chapman Tp. | |
| Bancroft Mica & Stone Products 2,3 | Bancroft. | Faraday Tp. | |
| Bathurst Feldspar Mines Ltd. 2 | Room 508-21 King St. E., Toronto | Bathurst Tp. | |
| Buffalo Ankerite Gold Mines Ltd.6 | Box 533, South Porcupine | | |
| Brandt, W.E. 2 | R.R. #3, Burks Falls | Burks Falls | |
| Canadian Flint & Spar Co. Ltd. 2 | 512 Victoria Bldg., Ottawa | Bedford Tp. | |
| Canadian Silica Corp. (Ltd.)1 | 100 Adelaide St. W., Toronto | Little Current | |
| Cameron and Aleck ² | | Murchison | |
| Falconbridge Nickel Mines Ltd. 1 Freeman & Marcelio 2 | Falconbridge | Falconbridge Loughborough | |
| Jossin Wesley 2 | May nooth | Monteagle Tp. | |
| Dominion Mines & Quarries Ltd. 1.3 | Canada Life Bldg., Toronto | Killarney | |
| Jessup, Wesley ² Dominion Mines & Quarries Ltd. 1.3 International Nickel Co. of Canada Ltd. 1 | Copper Cliff | | |
| Kingston Silica Mines Ltd. 1.3 | R.R. No. 1. Kingston | Pittsburg Tp. | |
| Laurentian Feldspar Corp. Ltd. 2 | 104 Sparks St., Ottawa | | |
| Opeongo Mining Co. 2 | | | |
| Quartz Crystals Mining Corp. of Canada 1 | 29 Melinda St., Toronto | Verona | |
| askatchewan: | | F1, Et 1 | |
| Hudson Bay Mining & Smelting Co. 1 | Flin Flon, Manitoba | Flin Flon | |
| | The state of the s | | |
| Alberta: May, Wallace ⁶ | Elkwater Lake | Elkwater | |
| 10 1370 12 | MANUAL LIBRO | A 77 60 V VI | |
| British Columbia: Consolidated Mining & Smelting Co. Ltd. 1 | 77mm (1) | Fairview | |
| L'ODSOLIOSIEG MIDIDE & SMOLLINE CO. LEG. * | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | I T. SERVE AV C. M. | |

Produces silica.
 Produces feldspar.
 Operates a mill.
 Produces scapolite.
 Produces nepheline syenite.
 Produces grinding pebbles.

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