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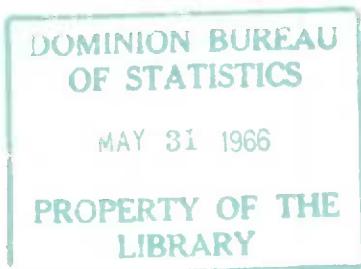
ANNUAL



CANADA

STONE QUARRIES

1963



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EXPLANATORY NOTES

Establishment

The reporting unit in the Census of Mines, Quarries and Oil Wells is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have

seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A mining establishment is typically a mine, mine/mill, quarry, pit or bog principally engaged in mining operations. Prior to 1961, the Census of Mines, Quarries and Oil Wells attempted to cover the mining activities of all establishments, whether or not they were principally engaged in mining operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in mining are no longer included as mining establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in mining establishments, many non-mining establishments are now surveyed for commodity information only and the latter are included in the appropriate tables of industry reports.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.

STONE QUARRIES

1963

This report includes statistics for industry 083—Stone Quarries of the Standard Industrial Classification Manual, Catalogue No. 12-501.

The firms classified to this industry made shipments which were valued at \$48,766,760 in 1963. The average number of employees was 3,452 to whom \$14,046,133 were paid as salaries and wages. Fuel cost \$2,233,345 and 108,057,173 kwh. of electricity were purchased for \$1,534,686. Process supplies cost \$5,429,950.

Commodity data are shown in Table 3 and subsequent tables. These tables include information on stone shipped by firms which are classified to

other industries. In 1963 the shipments of stone amounted to 62,655,329 short tons compared to 50,553,485 tons in the preceding year. Stone used in Canadian plants to manufacture cement and lime is not included in these figures. Stone exported to foreign cement and lime plants is included. Shipments of granite and other igneous rocks amounted to 5,679,264 tons valued at \$15,070,882. The sedimentary rocks included 51,021,396 tons of limestone valued at \$58,053,321; 71,714 tons of marble worth \$755,888; 5,732,276 tons of sandstone valued at \$5,776,107; 104,130 tons of shale valued at \$199,070 and 46,549 tons of slate worth \$28,150.

TABLE I A. Principal Statistics for Stone Quarrying Industry, Significant Years, 1921-1959
Basis: Standard Industrial Classification in use prior to 1960

Year	Quarries, pits or plants	Employees	Salaries and wages	Cost of fuel and electricity at works	Cost of process supplies at works	Gross selling value of products (f.o.b. works)	Net value of production ¹
number							
1921	145	2,204	2,017,272	301,810	..	6,388,346	..
1929	268	5,681	5,459,761	759,418	..	12,066,532	..
1931	329	4,198	4,470,699	625,673	..	11,075,184	..
1933	317	1,885	1,250,776	283,454	..	3,000,326	..
1937	555	2,898	2,576,344	472,006	613,542	6,939,360	5,853,812
1939	573	3,076	2,816,578	456,966	624,918	6,475,696	5,393,812
1941	539	2,758	2,896,100	642,085	641,098	8,000,684	6,717,501
1944	466	2,164	3,154,689	671,056	826,824	7,159,177	5,661,297
1946	486	2,720	3,970,404	834,824	856,774	11,185,711	9,494,113
1949	549	3,728	7,615,572	1,371,377	2,028,226	20,528,073	17,128,470
1951	536	3,861	9,218,694	1,915,948	2,761,374	28,649,768	23,972,446
1954	557	4,146	12,380,804	2,307,791	3,354,439	39,857,134	34,194,904
1957	583	4,331	14,552,950	2,949,437	4,201,890	59,197,662	52,046,335
1958	583	4,067	14,014,488	2,945,744	5,164,672	55,582,929	47,472,513
1959	613	3,873	13,936,905	3,090,530	5,129,431	60,958,784	52,738,823

¹ Gross production less cost of process supplies, etc., fuel and electricity.

TABLE I B. Principal Statistics, Stone Quarries 1958-63
Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies at works	Gross value of production (including containers)	Net production ¹
number							
1958	200	3,300	11,263,223	2,595,298	4,311,123	36,492,135	29,492,306
1959	202	3,184	11,364,441	2,562,709	4,140,456	40,722,771	33,787,664
1960	207	3,105	10,986,822	2,498,290	3,653,908	39,443,050	32,986,408
1961	228	3,395	12,623,473	3,028,969	4,114,676	44,708,945	37,129,065
1962	207	3,197	12,199,056	3,292,986	4,589,768	47,812,337	39,486,834
1963	207	3,452	14,046,133	3,768,031	5,429,950	48,766,760	39,045,205

¹ Gross production less cost of process supplies, etc., fuel and electricity.

See Note Table 14, page U-14.

TABLE 2. Principal Statistics, Stone Quarries, by Provinces, 1962 and 1963

Province	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at works	Cost of process supplies at works	Gross selling value of products (f.o.b. works)	Net value of production ¹
1962							
number							
Newfoundland	2	62	171,612	21,195	27,440	442,166	393,531
Prince Edward Island	—	—	—	—	—	—	—
Nova Scotia	12	104	352,461	63,886	48,562	863,194	723,210
New Brunswick	7	101	302,874	63,370	72,895	1,346,590	1,146,400
Quebec	104	1,844	6,775,248	1,781,635	2,799,674	27,884,983	23,064,423
Ontario	62	903	3,822,462	1,247,830	1,493,351	14,875,189	12,034,083
Manitoba	3	75	254,910	38,337	15,250	751,166	697,579
Saskatchewan	—	—	—	—	—	—	—
Alberta	3	6	2,100	291	156	2,896	2,337
British Columbia	14	102	517,389	76,442	132,440	1,646,153	1,425,271
Canada	207	3,197	12,199,056	3,292,986	4,589,768	47,812,337	39,486,834
1963							
Newfoundland	2	67	200,780	24,892	37,002	575,092	513,198
Prince Edward Island	—	—	—	—	—	—	—
Nova Scotia	9	72	214,399	33,618	44,200	546,724	434,132
New Brunswick	7	94	254,264	52,838	64,665	1,309,427	1,130,555
Quebec	112	2,049	8,355,859	2,191,575	3,485,472	29,280,732	23,365,002
Ontario	57	982	4,258,994	1,345,623	1,626,746	14,269,024	11,120,319
Manitoba	3	83	271,631	41,961	12,713	976,300	921,626
Saskatchewan	—	—	—	—	—	—	—
Alberta	4	5	6,638	279	684	10,197	8,822
British Columbia	13	100	483,568	77,245	158,468	1,799,264	1,551,551
Canada	207	3,452	14,046,133	3,768,031	5,429,950	48,766,760	39,045,205

¹ Gross production less cost of process supplies, etc., fuel and electricity.

See Note Table 14, page U-14.

TABLE 3. Producers' Shipments¹ of Stone from Canadian Quarries, by Kinds and by Provinces, 1962 and 1963

Province	Granite ²	Limestone ³	Marble	Sandstone	Shale	Slate	Total
1962							
Newfoundland	ton \$ 900 2,925	226,807 442,166	—	—	—	—	227,707 445,091
Prince Edward Island	ton \$ —	—	—	225,000	—	—	225,000
Nova Scotia	ton \$ 460,763 895,129	62,554 170,883	—	25,517 264,696	—	—	548,834 1,330,708
New Brunswick	ton \$ 413,947 885,395	867,081 939,619	—	1,669,878 1,252,409	—	—	2,950,906 3,077,423
Quebec	ton \$ 2,348,106 6,690,811	20,718,086 25,037,316	36,962 419,244	1,069,862 1,095,407	—	—	24,173,016 33,242,778
Ontario	ton \$ 1,448,916 4,318,067	17,279,797 19,892,022	34,926 288,480	34,009 544,981	—	—	18,797,648 25,043,550
Manitoba	ton \$ 31,063 281,992	912,702 1,306,682	—	—	—	—	943,765 1,588,674
Alberta	ton \$ —	99,158	—	251	6,286	—	105,695
British Columbia	ton \$ 683,185 867,837	1,365,400 2,181,362	—	467,554 350,666	39,400 128,940	5,375 15,721	2,580,914 3,544,526
Canada	ton \$ 5,386,880 13,942,156	41,551,585 50,315,116	71,888 707,724	3,492,071 3,735,957	45,686 149,684	5,375 15,721	50,553,485 68,866,358
1963							
Newfoundland	ton \$ 2,287 10,499	297,607 575,092	—	82,366 241,874	—	—	382,260 827,465
Prince Edward Island	ton \$ —	—	—	225,000	—	—	225,000
Nova Scotia	ton \$ 362,585 786,404	78,108 241,138	—	16,832 172,038	—	—	457,525 1,199,580
New Brunswick	ton \$ 404,302 854,733	754,844 828,740	—	3,257,653 2,443,240	—	—	4,416,799 4,126,713
Quebec	ton \$ 2,880,730 8,420,278	25,379,221 28,830,411	26,828 307,669	1,611,797 1,767,332	64,400 63,740	40,849 16,750	30,003,825 39,406,180
Ontario	ton \$ 1,116,629 3,537,948	19,205,898 20,544,057	44,886 448,220	35,201 543,482	—	—	20,402,614 25,073,707
Manitoba	ton \$ 26,500 325,000	3,666,644 4,318,636	—	—	—	—	3,693,144 4,643,636
Alberta	ton \$ —	138,577	—	317	—	—	138,894
British Columbia	ton \$ 886,231 1,136,020	1,500,497 2,305,367	—	6,546 376,595	—	—	416,426 11,400
Canada	ton \$ 5,679,264 15,070,882	51,021,396 58,053,321	71,714 755,889	5,732,276 5,776,107	104,130 199,070	46,549 28,150	62,655,329 79,883,419

¹ Includes stone shipped by firms classified to other industries; i.e., construction, transportation, etc. See Note Table 14, page U-14.² All igneous rocks included.³ Includes dolomite, also marl for agricultural purposes.

Note: Not included in the above limestone statistics are 9,294,196 tons of limestone consumed in the Canadian cement industry in 1962 and 9,384,412 tons in 1963. Also, the limestone used in the Canadian lime industry is not included; it is estimated that approximately 2,668,480 tons of limestone were burned in the manufacture of lime in 1962 and 2,703,709 tons in 1963.

TABLE 4. Producers' Shipments¹ of Stone² from Canadian Quarries, by Provinces, showing Purposes for which Used, 1962 and 1963

For use as follows	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Alberta	British Columbia	Canada
1962										
Building stone:										
Rough	ton	—	—	229	818	14,719	38,653	1,359	76	471
	\$	—	—	6,470	4,849	297,099	615,923	38,738	1,447	13,325
Dressed	ton	—	—	14,872	10	31,922	11,076	6,143	—	64,023
	\$	—	—	308,660	3,000	2,841,641	260,725	463,089	—	3,877,115
Monumental and ornamental stone:										
Rough	ton	—	—	—	799	3,372	84	8,476	—	74
	\$	—	—	—	40,000	134,143	299	249,293	—	1,560
Dressed	ton	—	—	292	13	6,475	1	—	—	6,781
	\$	—	—	98,091	13,000	488,187	175	—	—	599,453
Flagstone	ton	—	—	19	—	1,971	13,478	—	56	—
	\$	—	—	515	—	18,443	130,492	—	1,055	—
Curbstone	ton	—	—	—	—	1,382	98	—	—	1,480
	\$	—	—	—	—	29,928	1,649	—	—	31,577
Paving blocks	ton	—	—	—	—	25	—	—	—	25
	\$	—	—	—	—	1,200	—	—	—	1,200
Chemical and metallurgical:										
Cement plants, in Canada	ton	—	—	—	—	—	—	271,221	—	271,221
	\$	—	—	—	—	—	—	190,000	—	190,000
Cement plants, foreign	ton	—	—	—	—	—	—	—	245,168	245,168
	\$	—	—	—	—	—	—	—	208,199	208,199
Lining open-hearth furnaces	ton	41,241	—	—	—	—	85,008	1,161	—	127,410
	\$	61,861	—	—	—	—	106,260	3,060	—	171,181
Flux in iron and steel furnaces	ton	163,713	—	10,133	192	1,639	939,740	2,962	6,873	17,527
	\$	245,569	—	25,332	1,149	3,261	1,002,786	8,290	14,381	63,340
Flux in non-ferrous smelters	ton	—	—	—	—	2,455	96,059	—	—	8,603
	\$	—	—	—	—	2,838	100,149	—	—	7,560
Glass factories	ton	—	—	—	—	1,937	50,983	—	11,896	—
	\$	—	—	—	—	10,869	181,781	—	23,792	—
Lime kilns, foreign	ton	—	—	—	—	—	—	—	—	11,512
	\$	—	—	—	—	—	—	—	—	26,908
Pulp and paper mills	ton	21,853	—	5,867	7,712	170,289	38,441	5,844	11,945	192,469
	\$	134,736	—	22,002	47,259	522,474	89,765	16,947	25,484	539,847
Sugar refineries	ton	—	—	—	44	—	—	—	42,409	—
	\$	—	—	—	396	—	—	—	84,818	—
Other chemical uses	ton	—	—	—	—	25,152	478,047	3,869	—	35,647
	\$	—	—	—	—	32,417	481,108	19,345	—	56,641
Pulverized stone:										
Whiting (substitute)	ton	—	—	—	—	12,563	—	—	—	793
	\$	—	—	—	—	150,750	—	—	—	13,356
Asphalt filler	ton	—	—	23,400	983	109,628	123,351	54,744	3,427	11,660
	\$	—	—	46,800	7,864	243,820	175,733	67,426	20,562	1,230
Dusting coal mines	ton	—	—	—	—	—	—	—	350	5,000
	\$	—	—	—	—	—	—	—	2,100	101
Agricultural purposes and fertilizer plants	ton	—	—	46,554	81,875	963,711	60,086	—	1,658	192,469
	\$	—	—	123,549	327,079	2,264,769	226,626	—	9,948	38,221
Other uses	ton	—	—	—	—	50	56,633	667	19,690	3,201,782
	\$	—	—	—	—	225	285,983	111	156,987	10,778
Crushed stone for manufacture of artificial stone	ton	—	—	—	—	8,119	6,412	21	—	—
	\$	—	—	—	—	38,446	62,158	33	—	14,552
Roofing granules	ton	—	—	—	—	2,900	115,442	—	—	100,637
	\$	—	—	—	—	4,380	1,290,622	—	—	123,717
Poultry grit	ton	—	—	—	1,044	6,615	15,914	—	567	1,310,723
	\$	—	—	—	5,274	38,814	148,303	—	5,932	5,764
Stucco dash	ton	—	—	—	—	513	3,100	92	—	29,904
	\$	—	—	—	—	3,983	43,700	1,333	—	302,929
Terrazzo chips	ton	—	—	—	—	18,760	9,477	—	—	15,783
	\$	—	—	—	—	132,903	148,915	—	—	215,002
Rock wool	ton	—	—	278	—	—	447	—	240	—
	\$	—	—	1,507	—	—	653	—	866	1,376
Rubble and riprap	ton	—	—	590	593,174	605,589	312,275	235,912	222	5,504
	\$	—	—	972	343,152	885,681	606,930	235,922	492	8,530
Crushed stone:										
Concrete aggregate	ton	—	—	7,600	150,467	8,533,880	3,655,986	101,836	6,286	54,582
	\$	—	—	15,200	382,261	10,455,001	3,831,082	101,158	20,744	143,833
Road metal	ton	900	225,000	439,000	1,971,172	9,473,442	11,566,261	238,172	—	750,688
	\$	2,925	225,000	681,600	1,759,537	9,752,328	13,620,711	187,994	—	805,107
Railroad ballast	ton	—	—	—	142,603	767,475	677,444	11,286	—	1,962,887
	\$	—	—	—	142,603	987,064	757,417	5,935	—	441,916
Other uses	ton	—	—	—	—	3,408,233	443,152	—	—	2,334,935
	\$	—	—	—	—	3,904,114	873,605	—	—	5,012,901
Totals	ton	227,707	225,000	548,834	2,950,906	24,173,016	18,797,648	943,765	105,695	2,580,914
	\$	445,091	225,000	1,330,708	3,077,423	33,242,778	25,043,550	1,588,674	368,608	3,544,526
Per cent of total	quan.	0.45	0.44	1.09	5.84	47.82	37.18	1.87	0.20	5.11
	\$	0.65	0.33	1.93	4.47	48.27	36.37	2.31	0.54	5.13
										100.00

See footnotes at end of table.

MINERAL STATISTICS

TABLE 4. Producers' Shipments¹ of Stone² from Canadian Quarries, by Provinces, showing Purposes for which Used,
1962 and 1963—Concluded

For use as follows	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Alberta	British Columbia	Canada	
1963											
Building stone:											
Rough ton	—	—	321	1,286	36,697	45,247	2,234	284	1,410	87,479	
\$ \$	—	—	2,799	38,530	623,805	712,207	112,005	5,315	39,020	1,533,681	
Dressed ton	—	—	2,524	—	39,244	14,337	7,193	—	—	63,298	
\$ \$	—	—	149,053	—	2,541,167	330,768	611,914	—	—	3,632,902	
Monumental and ornamental stone:											
Rough ton	—	—	—	—	11,106	200	8,410	—	—	19,716	
\$ \$	—	—	—	—	364,221	10,000	249,000	—	—	623,221	
Dressed ton	—	—	311	50	6,604	771	—	—	—	7,736	
\$ \$	—	—	99,972	12,000	700,270	19,855	—	—	—	832,097	
Flagstone ton	—	—	17	—	200	10,532	406	92	17	11,264	
\$ \$	—	—	309	—	2,200	99,000	675	3,106	1,076	106,366	
Curbstone ton	—	—	—	—	5,605	—	—	—	—	5,605	
\$ \$	—	—	—	—	138,422	—	—	—	—	138,422	
Paving blocks ton	—	—	—	—	—	—	—	—	—	—	
\$ \$	—	—	—	—	—	—	—	—	—	—	
Chemical and metallurgical:											
Cement plants, in Canada ton	—	—	—	—	—	—	265,763	—	—	265,763	
\$ \$	—	—	—	—	—	—	160,130	—	—	160,130	
Cement plants, foreign ton	—	—	—	—	—	—	—	—	500,766	500,766	
\$ \$	—	—	—	—	—	—	—	—	451,143	451,143	
Lining open-hearth furnaces.... ton	—	—	—	—	—	96,594	367	—	—	96,961	
\$ \$	—	—	—	—	—	120,743	954	—	—	121,697	
Flux in iron and steel furnaces ton	264,797	—	10,349	225	6,404	943,605	2,348	12,529	12,000	1,252,257	
\$ \$	407,196	—	25,872	1,350	5,006	1,000,722	5,894	25,058	36,000	1,507,098	
Flux in non-ferrous smelters ton	—	—	—	—	3,775	82,200	—	3,200	8,007	97,182	
\$ \$	—	—	—	—	9,376	82,200	—	7,200	8,075	106,851	
Glass factories ton	—	—	—	—	13,498	50,107	—	11,426	—	75,031	
\$ \$	—	—	—	—	50,558	182,946	—	22,852	—	256,356	
Lime kilns, foreign ton	—	—	—	—	—	—	—	—	102,617	102,617	
\$ \$	—	—	—	—	—	—	—	—	288,851	288,851	
Pulp and paper mills ton	32,810	—	5,866	4,987	162,135	60,996	6,848	10,406	182,667	466,715	
\$ \$	167,896	—	22,000	29,212	500,385	116,050	18,147	22,687	545,892	1,422,269	
Sugar refineries ton	—	—	—	56	7,750	—	—	74,078	—	81,884	
\$ \$	—	—	—	504	15,503	—	—	148,156	—	164,163	
Other chemical uses ton	—	—	—	—	—	479,760	5,974	—	30,000	515,734	
\$ \$	—	—	—	—	—	492,944	29,870	—	60,000	582,814	
Pulverized stone:											
Whiting (substitute) ton	—	—	—	—	14,092	—	—	—	2,103	16,195	
\$ \$	—	—	—	—	194,915	—	—	—	36,577	231,492	
Asphalt filler ton	—	—	14,000	22,260	72,846	130,756	24,155	2,276	1,500	267,793	
\$ \$	—	—	31,500	19,890	162,525	160,856	58,926	13,656	6,000	453,353	
Dusting coal mines ton	—	—	—	—	—	—	—	345	46	391	
\$ \$	—	—	—	—	—	—	—	2,070	460	2,530	
Agricultural purposes and fer-tilizer plants ton	—	—	61,893	88,307	816,608	67,979	6,444	2,211	44,965	1,088,407	
\$ \$	—	—	193,266	368,309	1,954,790	246,439	8,982	13,266	250,808	3,035,860	
Other uses ton	—	—	—	—	31,628	93,628	15,849	20,852	13,608	175,565	
\$ \$	—	—	—	—	155,180	393,146	5,283	145,012	25,231	723,852	
Crushed stone for manufacture of artificial stone ton	50	—	—	—	4,948	12,279	—	—	—	17,277	
\$ \$	3,800	—	—	—	25,671	61,966	—	—	—	91,437	
Roofing granules ton	—	—	—	—	440	120,247	—	—	5,700	126,387	
\$ \$	—	—	—	—	1,863	1,425,210	—	—	11,400	1,438,473	
Poultry grit ton	—	—	—	870	548	18,358	—	654	5,353	25,783	
\$ \$	—	—	—	4,740	3,285	150,341	—	6,234	96,766	261,366	
Stucco dash ton	—	—	—	—	1,502	6,470	695	—	11,394	20,061	
\$ \$	—	—	—	—	6,459	124,265	14,418	—	231,154	376,296	
Terazzo chips ton	—	—	—	—	6,740	15,188	—	—	381	22,309	
\$ \$	—	—	—	—	72,726	260,087	—	—	9,144	341,957	
Rock wool ton	—	—	209	—	—	1,432	—	341	500	2,482	
\$ \$	—	—	731	—	—	4,672	—	1,364	1,500	8,267	
Rubble and riprap ton	—	—	4,000	7,246	324,434	713,950	2,545,395	200	610,530	4,205,755	
\$ \$	—	—	8,000	6,804	306,594	1,074,889	2,587,444	450	373,852	4,358,033	
Crushed stone:											
Concrete aggregate ton	17,184	—	2,500	139,312	7,902,001	4,400,053	238,123	—	41,280	12,740,453	
\$ \$	62,766	—	5,625	272,979	10,571,098	4,348,557	239,987	—	136,105	15,637,117	
Road metal ton	67,419	225,000	355,535	4,142,940	15,282,272	11,770,844	487,972	—	551,095	32,883,077	
\$ \$	185,807	225,000	660,453	3,363,135	15,476,859	12,571,291	490,800	—	378,914	33,352,259	
Railroad ballast ton	—	—	—	9,260	563,102	765,676	38,403	—	419,718	1,796,159	
\$ \$	—	—	—	9,260	560,992	649,936	13,878	—	573,268	1,807,334	
Other uses ton	—	—	—	—	4,689,646	501,405	36,565	—	389,611	5,617,227	
\$ \$	—	—	—	—	4,962,310	434,617	35,329	—	403,476	5,835,732	
Totals ton	382,260	225,000	457,525	4,416,799	30,003,825	20,402,614	3,693,144	138,894	2,935,268	62,655,329	
\$ \$	827,465	225,000	1,199,580	4,126,713	39,406,180	25,073,707	4,643,636	416,426	3,964,712	79,883,419	
Per cent of total quan.	0.61	0.36	0.73	7.05	47.89	32.56	5.89	0.22	4.69	100.00	
	\$	1.04	0.28	1.50	5.17	49.33	31.39	5.81	0.52	4.96	100.00

¹ Includes stone shipped by firms classified to other industries i.e., construction, transportation, etc. See Note Table 14, page U-14.

² Includes the production of slate and marl.

TABLE 5. Producers' Shipments¹ of Stone from Canadian Quarries, by Kinds, showing Purposes for which Used, 1962 and 1963

For use as follows		Granite ²	Limestone ⁴	Marble	Sandstone	Shale	Slate	Total
1962								
Building stone:								
Rough	ton	11,861	21,320	447	22,697	—	—	56,325
\$ 293,572		214,776	9,630	459,883	—	—	—	977,861
Dressed	ton	16,719	30,700	1,925	14,679	—	—	64,023
\$ 1,933,176		1,593,101	109,109	241,729	—	—	—	3,877,115
Monumental and ornamental stone:								
Rough	ton	12,721	84	—	—	—	—	12,805
\$ 424,996		299	—	—	—	—	—	425,295
Dressed	ton	6,781	—	—	—	—	—	6,781
\$ 599,453		—	—	—	—	—	—	59,453
Flagstone	ton	1,999	6,008	—	7,517	—	—	15,524
\$ 23,864		42,648	—	83,993	—	—	—	150,505
Curbstone	ton	1,352	30	—	98	—	—	1,480
\$ 29,595		333	—	1,649	—	—	—	31,577
Paving blocks	ton	25	—	—	—	—	—	25
\$ 1,200		—	—	—	—	—	—	1,200
Chemical and metallurgical:								
Cement plants, in Canada	ton	—	271,221	—	—	—	—	271,221
\$ —		190,000	—	—	—	—	—	190,000
Cement plants, foreign	ton	—	245,168	—	—	—	—	245,168
\$ —		208,199	—	—	—	—	—	208,199
Lining open-hearth furnaces	ton	—	127,410	—	—	—	—	127,410
\$ —		171,181	—	—	—	—	—	171,181
Flux in iron and steel furnaces	ton	—	1,142,979	—	—	—	—	1,142,979
\$ —		1,364,108	—	—	—	—	—	1,364,108
Flux in iron-ferrous smelters	ton	—	107,117	—	—	—	—	107,117
\$ —		110,547	—	—	—	—	—	110,547
Glass factories	ton	—	64,816	—	—	—	—	64,816
\$ —		216,442	—	—	—	—	—	216,442
Lime kilns, foreign	ton	—	11,512	—	—	—	—	11,512
\$ —		26,908	—	—	—	—	—	26,908
Pulp and paper mills	ton	2,480	443,418	8,522	—	—	—	454,420
\$ 3,400		1,369,548	25,566	—	—	—	—	1,398,514
Sugar refineries	ton	—	42,453	—	—	—	—	42,453
\$ —		85,214	—	—	—	—	—	85,214
Other chemical uses	ton	23,775	518,940	—	—	—	—	542,715
\$ 30,530		558,981	—	—	—	—	—	589,511
Pulverized stone:								
Whiting (substitute)	ton	—	793	12,563	—	—	—	13,356
\$ —		11,660	150,750	—	—	—	—	162,410
Asphalt filler	ton	37,430	279,333	—	—	—	—	316,763
\$ 67,740		499,465	—	—	—	—	—	567,205
Dusting coal mines	ton	—	451	—	—	—	—	451
\$ —		3,024	—	—	—	—	—	3,024
Agricultural purposes	ton	—	1,189,278	2,827	—	—	—	1,192,105
\$ —		3,195,492	6,290	—	—	—	—	3,201,782
Other uses	ton	506	81,912	5,000	—	400	—	87,818
\$ 5,000		414,769	40,000	—	8,940	—	—	468,709
Crushed stone for manufacture of artificial stone	ton	1,012	3,911	9,629	—	—	—	14,552
\$ 24,158		18,281	58,198	—	—	—	—	100,637
Roofing granules	ton	118,342	—	—	—	—	5,375	123,717
\$ 1,295,002		—	—	—	—	—	15,721	1,310,723
Poultry grit	ton	5,632	21,258	3,014	—	—	—	29,904
\$ 108,243		167,958	26,728	—	—	—	—	302,929
Stucco dash	ton	10,300	4,770	713	—	—	—	15,783
\$ 185,000		72,635	6,383	—	—	—	—	264,018
Terrazzo chips	ton	—	6,197	22,040	—	—	—	28,237
\$ —		22,519	259,299	—	—	—	—	281,818
Rock wool	ton	278	1,938	—	125	—	—	2,341
\$ 1,507		6,617	—	406	—	—	—	8,530
Rubble and riprap	ton	971,959	1,277,725	2,968	9,527	—	—	2,262,179
\$ 1,352,163		1,060,671	891	24,901	—	—	—	2,438,626
Crushed stone:								
Concrete aggregate	ton	1,452,550	10,829,627	—	183,174	45,286	—	12,510,637
\$ 2,906,327		11,618,168	—	284,040	140,744	—	—	14,949,279
Road metal	ton	1,757,214	20,316,924	—	2,590,497	—	—	24,664,635
\$ 2,859,875		22,101,509	—	2,073,818	—	—	—	27,035,202
Railroad ballast	ton	629,769	971,861	—	361,257	—	—	1,962,887
\$ 991,290		1,009,231	—	334,414	—	—	—	2,334,935
Other uses	ton	324,175	3,532,431	2,240	302,500	—	—	4,161,346
\$ 806,065		3,960,832	14,880	231,124	—	—	—	5,012,901
Totals ²	ton	5,386,880	41,551,555	71,888	3,492,071	45,686	5,375	50,553,485
	\$	13,942,156	50,315,116	707,724	3,735,957	149,684	15,721	68,866,358

See footnotes at end of table.

MINERAL STATISTICS

TABLE 5. Producers' Shipments¹ of Stone from Canadian Quarries, by Kinds, showing Purposes for which Used,
1962 and 1963 — Concluded

For use as follows		Granite ²	Limestone ³	Marble	Sandstone	Shale	Slate	Total
1963								
Building stone:								
Rough	ton	28,429	27,368	2,361	29,321	—	—	87,479
	\$	590,468	416,237	28,827	498,149	—	—	1,533,681
Dressed	ton	25,095	35,712	—	2,491	—	—	63,298
	\$	1,676,608	1,815,879	—	140,415	—	—	3,632,902
Monumental and ornamental stone:								
Rough	ton	19,516	—	200	—	—	—	19,716
	\$	613,221	—	10,000	—	—	—	623,221
Dressed	ton	6,993	—	—	743	—	—	7,736
	\$	821,282	—	—	10,815	—	—	832,097
Flagstone	ton	787	4,999	—	5,478	—	—	11,264
	\$	11,018	31,442	—	63,906	—	—	106,366
Curbstone	ton	5,605	—	—	—	—	—	5,605
	\$	138,422	—	—	—	—	—	138,422
Paving blocks	ton	—	—	—	—	—	—	—
	\$	—	—	—	—	—	—	—
Chemical and metallurgical:								
Cement plants, in Canada	ton	—	265,763	—	—	—	—	265,763
	\$	—	160,130	—	—	—	—	160,130
Cement plants, foreign	ton	—	500,766	—	—	—	—	500,766
	\$	—	451,143	—	—	—	—	451,143
Lining open-hearth furnaces	ton	—	96,961	—	—	—	—	96,961
	\$	—	121,697	—	—	—	—	121,697
Flux in iron and steel furnaces	ton	—	1,252,257	—	—	—	—	1,252,257
	\$	—	1,507,098	—	—	—	—	1,507,098
Flux in non-ferrous smelters	ton	—	97,182	—	—	—	—	97,182
	\$	—	106,851	—	—	—	—	106,851
Glass factories	ton	—	75,031	—	—	—	—	75,031
	\$	—	256,356	—	—	—	—	256,356
Lime kilns, foreign	ton	—	102,617	—	—	—	—	102,617
	\$	—	288,851	—	—	—	—	288,851
Pulp and paper mills	ton	—	457,412	9,303	—	—	—	466,715
	\$	—	1,394,360	27,909	—	—	—	1,422,269
Sugar refineries	ton	—	81,884	—	—	—	—	81,884
	\$	—	164,163	—	—	—	—	164,163
Other chemical uses	ton	—	515,734	—	—	—	—	515,734
	\$	—	582,814	—	—	—	—	582,814
Pulverized stone:								
Whiting (substitute)	ton	—	2,103	14,092	—	—	—	16,195
	\$	—	36,577	194,915	—	—	—	231,492
Asphalt filler	ton	15,500	252,293	—	—	—	—	267,793
	\$	37,500	415,853	—	—	—	—	453,353
Dusting coal mines	ton	—	391	—	—	—	—	391
	\$	—	2,530	—	—	—	—	2,530
Agricultural purposes and fertilizer plants	ton	—	1,087,962	445	—	—	—	1,088,407
	\$	—	3,034,870	990	—	—	—	3,035,860
Other uses	ton	—	169,753	5,500	312	—	—	175,565
	\$	—	678,750	43,000	2,102	—	—	723,852
Crushed stone for manufacture of artificial stone	ton	205	7,017	10,055	—	—	—	17,277
	\$	9,900	28,257	53,280	—	—	—	91,437
Roofing granules	ton	120,247	—	440	—	—	5,700	126,387
	\$	1,425,210	—	1,863	—	—	11,400	1,438,473
Poultry grit	ton	5,642	14,851	5,290	—	—	—	25,783
	\$	100,090	117,232	44,044	—	—	—	261,366
Stucco dash	ton	13,624	6,137	300	—	—	—	20,061
	\$	260,249	112,047	4,000	—	—	—	376,296
Terrazzo chips	ton	—	581	21,728	—	—	—	22,309
	\$	—	9,896	332,061	—	—	—	341,957
Rock wool	ton	209	1,514	—	759	—	—	2,482
	\$	731	3,742	—	3,794	—	—	8,267
Rubble and riprap	ton	1,148,022	3,009,855	—	47,878	—	—	4,205,755
	\$	1,313,368	3,000,866	—	43,799	—	—	4,358,033
Crushed stone:								
Concrete aggregate	ton	1,910,542	10,220,885	—	509,296	99,730	—	12,740,453
	\$	4,315,412	10,422,776	—	703,599	195,330	—	15,637,117
Road metal	ton	1,731,696	26,850,247	—	4,260,285	—	40,849	32,883,077
	\$	2,793,990	26,948,831	—	3,592,688	—	16,750	33,352,259
Railroad ballast	ton	261,090	1,134,907	—	400,162	—	—	1,796,159
	\$	454,297	1,007,019	—	346,018	—	—	1,807,334
Other uses	ton	386,062	4,749,214	2,000	475,551	4,400	—	5,617,227
	\$	509,116	4,937,054	15,000	370,822	3,740	—	5,835,732
Totals³	ton	5,679,264	51,021,396	71,714	5,732,276	104,130	46,549	62,655,329
	\$	15,070,882	58,053,321	755,889	5,776,107	199,070	28,150	79,883,419

¹ Includes stone shipped by firms classified to other industries, i.e., construction, transportation, etc. See Note Table 14, page U-14.

² Includes all igneous rock.

³ Does not include limestone used in Canadian lime and cement industries but includes marl used for agricultural purposes.

TABLE 6. Production¹ of Stone for Various Uses, 1954-63

Year	Building stone	For chemical purposes ¹	For concrete aggregate	For road metal	For railroad ballast	For cement manufacture ²	For lime manufacture
1954 ton \$ 134,718 1,695,336 6,420,930 10,018,259 695,632 5,843,283 2,154,987	5,071,852	2,951,655	7,518,726	10,468,500	748,095	—	—
1955 ton \$ 137,664 2,352,565 6,537,923 12,561,077 849,905 6,036,032 2,274,211	5,103,812	3,605,263	8,408,081	14,430,025	850,181	—	—
1956 ton \$ 139,473 2,396,956 10,421,209 15,627,912 1,309,156 7,403,334 2,276,836	4,929,535	3,721,828	13,280,234	18,442,792	1,262,783	—	—
1957 ton \$ 129,865 2,265,003 11,355,030 17,489,156 1,672,185 9,139,770 2,562,740	5,737,049	3,414,800	15,761,075	18,525,532	2,136,969	—	—
1958 ton \$ 145,229 2,285,477 8,364,487 19,290,774 1,496,352 8,907,229 2,831,886	6,114,234	3,311,120	12,493,684	21,240,892	1,633,114	—	—
1959 ton \$ 144,199 2,740,753 8,450,120 26,371,980 1,958,325 8,758,708 3,062,152	5,338,418	3,932,658	10,448,077	27,904,991	1,923,369	—	—
1960 ton \$ 163,602 2,631,579 9,335,165 23,785,760 2,561,072 7,965,872 2,669,574	4,207,535	3,933,958	12,015,603	26,184,006	2,882,592	—	—
1961 ton \$ 136,444 2,751,979 11,495,107 24,966,426 1,874,678 8,145,376 2,592,831	5,171,449	4,057,098	14,377,121	27,485,722	2,041,619	—	—
1962 ton \$ 120,348 2,882,401 12,510,637 24,664,635 1,962,887 9,294,196 2,668,480	4,854,976	4,189,443	14,949,279	27,035,202	2,334,935	—	—
1963 ton \$ 150,777 3,357,949 12,740,453 32,883,077 1,796,159 9,384,412 2,703,709	5,166,583	4,939,675	15,637,117	33,352,259	1,807,334	—	—

¹ Includes stone shipped by firms classified to other industries, i.e., construction, transportation, etc. See Note Table 14, page U-14.² Does not include limestone used in the Canadian lime industry.³ Includes shale.

TABLE 7. Imports and Exports of Stone, by Kinds, 1962 and 1963

		1962		1963	
		Quantity	Value	Quantity	Value
Imports					
Building stones, n.o.p.	cwt.	477,964	\$ 657,913	372,384	580,438
Curling stones and handles therefore	pair	3,693	190,006	3,181	185,814
Granite, rough, not hammered or chiselled		—	452,860	—	521,853
Granite, sawn only		—	195,563	—	135,768
Granite, manufactures of, n.o.p.		—	427,056	—	300,159
Marble, rough, not hammered or chiselled		—	160,517	—	77,669
Marble, sawn or sand rubbed, not polished		—	1,091,774	—	1,019,945
Marble, not further manufactured than sawn, for tombstones		—	42,660	—	47,607
Marble for churches		—	124,723	—	174,446
Marble, manufactures of, n.o.p.		—	260,755	—	189,019
Refuse stone		—	—	—	—
Slate roofing	square	871	26,861	475	14,530
Slate manufactures, n.o.p.		—	138,524	—	237,392
Mineral wool	ton	1,727	320,867	941	249,548
Whiting, gilders' whiting and Paris white	"	8,142	259,258	9,789	360,070
Manufactures of stone, n.o.p.		—	211,610	—	164,891
Pumice and pumice stone and lava tufa		—	237,721	—	195,349
Grindstones, not mounted and not less than 36 inches in diameter	
Grinding stones, blocks, bonded		..	426,647	..	459,574
Grindstones, n.o.p.	No.	562	9,178	248	9,211
Roofing granules	ton	52,465	1,007,375	39,624	868,429
Stone, crushed	"	731,999	1,263,879	750,310	1,023,434
Totals accounted for		—	7,505,747	—	6,815,146
Exports					
Crushed limestone and refuse	ton	788,790	\$ 966,152	634,055	977,060
Quartzite	"	156,205	489,999	47,437	216,489
Building stone, rough	"	14,415	258,521	23,722	502,432
Stone, crude n.e.s.	"	98,410	188,931	185,406	312,296
Totals accounted for		—	1,903,603	—	2,008,277

TABLE 8. Employees and their Earnings, Stone Quarries, 1958-63

Year	Employees						Man-hours worked (all employees)	Earnings		
	Office and administrative		Workmen		Total	Office and administrative		Workmen	Total	
	Male	Female	Male	Female						
	number							dollars		
1958	298	36	2,962	4	3,300	8,055,349	1,505,606	9,757,617	11,263,223	
1959	318	34	2,831	1	3,184	7,504,589	1,611,326	9,753,115	11,364,441	
1960	352	43	2,709	1	3,105	7,169,089	1,825,891	9,160,931	10,986,822	
1961	402	53	2,938	2	3,395	7,902,770	2,101,990	10,521,483	12,623,473	
1962	367	58	2,771	1	3,197	7,317,908	1,984,499	10,214,557	12,199,056	
1963	407	61	2,984	—	3,452	7,789,252	2,337,620	11,708,513	14,046,133	

TABLE 9. Workmen, Stone Quarries, by Months, 1962 and 1963

Month	1962				Total	1963				Total		
	Quarry		Dressing works			Quarry	Dressing works					
	Male	Female	Male	Female		Male	Female	Male	Female			
number												
January	1,132	—	575	—	1,707	1,395	—	507	—	1,902		
February	1,131	—	542	—	1,673	1,332	—	524	—	1,856		
March	1,485	—	599	—	2,084	1,630	—	524	—	2,154		
April	1,919	—	695	—	2,614	2,100	—	730	—	2,830		
May	2,449	1	759	—	3,209	2,545	—	828	—	3,373		
June	2,615	1	727	—	3,343	2,692	—	793	—	3,483		
July	2,616	1	720	—	3,337	2,725	—	773	—	3,498		
August	2,651	1	725	—	3,377	2,804	—	801	—	3,605		
September	2,548	1	778	—	3,327	2,823	—	834	—	3,657		
October	2,428	1	775	—	3,204	2,728	—	815	—	3,543		
November	2,211	—	747	—	2,958	2,465	—	752	—	3,217		
December	1,609	—	636	—	2,245	1,836	—	578	—	2,414		
Averages	2,076	1	695	—	2,772	2,273	—	711	—	2,984		
Number of man-hours worked during year					6,396,751					6,797,159		

GRANITE

Granite, as applied to commercial stone, includes nearly all igneous rocks as well as metamorphic rocks of igneous origin, which may be quarried for use as building, monumental or crushed stone. In the quarrying of granite for building or monumental stone there is a large quantity of

irregularly shaped pieces which are used for breakwaters, road fill and crushed rock for concrete aggregate.

Granite shipments in 1963 were about 300,000 tons more than in the preceding year.

TABLE 10. Production of Granite,¹ 1954-63

Year	Short tons	Value	\$	Year	Short tons	Value	\$		
				1954	1955	1956	1957	1958	1959
1954	12,834,727	13,041,999		1959	4,848,310	10,092,849			
1955	5,618,940	9,666,592		1960	5,237,243	11,885,953			
1956	2,431,455	6,574,850		1961	6,355,734	14,162,206			
1957	4,957,623	12,757,812		1962	5,386,880	13,942,156			
1958	4,799,899	12,525,221		1963	5,679,264	15,070,882			

¹ Includes all igneous rock.

See Note Table 14, Page U-14.

LIMESTONE

Quarries for the production of limestone for building purposes are worked in Quebec, Ontario and Manitoba. Modern requirements of the building stone industry call for blocks of stone of large dimensions from which are sawn slabs and blocks of the exact size required for constructing the building. Although limestone is abundant in Canada the heavily bedded variety of desirable texture, free from cracks and other defects, and capable of being carved and otherwise worked, is not plentiful.

For industrial use limestone is marketed in a variety of forms ranging from huge squared blocks of dimension stone used in construction to extremely fine dust chiefly as a mineral filler. For certain uses (in the wood pulp industry for example) the limestone quarried required little or no processing, but most of the output is crushed and screened for use as road metal, concrete aggregate, railroad

ballast and as flux in metallurgical plants. Large quantities are used in the manufacture of Portland cement, lime and various chemical products. Most of the limestone used in chemical and metallurgical industries is of high calcium variety, but dolomite is rapidly increasing in importance as an industrial raw material.

The use of limestone in agriculture is capable of very extensive development. Though the necessity for applying limestone or lime to agricultural land to remedy deficiencies of calcium and magnesium, to neutralize soil acidity, and to maintain or increase soil fertility has been emphasized for many years, the quantity so used in Canada is still relatively small, whereas the agricultural use of limestone could well constitute one of its most important uses both from the economic and tonnage viewpoints.

TABLE 11. Production of Limestone,¹ 1954-63

Year	Marl ²	Limestone, dolomite and marl	Value	Year	Marl ²	Limestone, dolomite and marl	Value
		tons	\$			tons	\$
1954	59,293	18,829,748	25,144,026	1959	154,402	36,582,821	45,322,328
1955	60,611	24,107,571	32,322,313	1960	161,919	36,405,875	44,763,355
1956	95,437	29,105,977	39,305,815	1961	109,624	38,152,775	47,183,610
1957	146,017	32,618,782	41,280,990	1962	90,216	41,551,585	50,315,118
1958	147,097	30,271,385	38,683,341	1963	99,095	51,021,396	58,053,321

¹ Includes dolomite and marl.

² Included in next column.

See Note Table 14. Page U-14.

MARBLE

Marble is marketed principally in crushed or ground forms for use in terrazzo flooring, stucco dash, artificial stone, poultry grit, and the manufacture of whiting substitute. Crushed marble is also used by the pulp and paper industry in preparing dissolving liquor. In Canada, there is a small output of quarry blocks to provide ornamental stone for building construction. For this use the stone is sawn, matched, shaped and polished. Three quarries produce mill blocks. Canadian production is only a

small part of the country's requirements and the domestic market is mainly supplied by imports from Italy and the United States in the form of mill blocks or sawn slabs which are finished in Canadian marble dressing plants.

There is a wide range in the price of marble depending upon the quality and rareness of colouring.

TABLE 12. Production of Marble, 1954-63

Year	Short tons	Value	Year	Short tons	Value
		\$			\$
1954	57,748	633,702	1959	108,983	715,987
1955	63,335	633,531	1960	69,496	650,468
1956	56,768	649,999	1961	67,643	775,949
1957	67,770	589,706	1962	71,888	707,724
1958	63,619	600,730	1963	71,714	755,889

See Note Table 14, Page U-14.

SANDSTONE

Canadian sandstone has been utilized extensively in the construction of many important public buildings in Canada, and is finding increasing favour as a material in the construction of the better-type home. The rock occurs in Canada in a variety of colours, including white, reddish brown, yellow and grey. In 1963 shipments were made from quarries in Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Ontario, Alberta and British Columbia.

The greater part of the crude output in 1963 was employed as rubble and riprap and in the crushed state for concrete, highway construction and railroad ballasting. Sandstone in New Brunswick and Nova Scotia has been employed in the manufacture of abrasive wheels and sharpening stones; such production is included with natural abrasives' manufacture. Crude, crushed or ground quartzite sold for fluxing purposes or as silica sand is included in the quartz industry data.

TABLE 13. Production of Sandstone, 1954-63

Year	Short tons	Value	Year	Short tons	Value
		\$			\$
1954	830,478	823,563	1959	4,768,643	4,680,803
1955	622,792	873,021	1960	3,420,667	3,079,253
1956	1,578,534	1,992,492	1961	4,226,299	4,078,777
1957	2,538,579	4,246,654	1962	3,492,071	3,735,957
1958	2,908,281	3,597,442	1963	5,732,276	5,776,107

SHALE

During 1963 shale was used as a raw material in the production of light-weight aggregates. In earlier years most of the shale quarried was used in brick, tile and cement plants and the statistics

on this commodity were included in the data on those industries. The shipments of shale, excluding that used in clay products and cement, amounted to 104,130 tons valued at \$199,070 in 1963.

SLATE

Canadian slate production in 1963 came from the province of British Columbia where it was crushed to make roofing granules and from Quebec where it was used for road building. No Canadian

deposits of slate suitable for the production of high grade roofing slates or shingles have been reported as being under development in recent years.

TABLE 14. Production of Slate, 1954-63

Year	Short tons	Value	Year	Short tons	Value
		\$			\$
1954	2,322	30,883	1959	750	750
1955	1,640	33,208	1960	46,526	28,046
1956	1,013	11,608	1961	1,250	1,750
1957	569	14,765	1962	5,375	15,721
1958	736	30,220	1963	46,549	28,150

Note: (a) The totals in these tables include stone recovered by all producers including operators classified as establishments in the Stone Quarries Industry, as well as other operators which have been reclassified to other industries as a result of combinations in line with the new Establishment Concept.

(b) On this account also, value figures in the tables mentioned in (a) may be higher than the value figures shown in Tables 1B and 2. The latter refer only to operators classified as establishments to the Stone Quarries Industry in accordance with the new S.I.C.

TABLE 15. Fuel and Electricity Used, Stone Quarries, 1963

Kind		Quantity	Cost at plant
Bituminous coal:			\$
From Canadian mines	short ton	907	13,062
Imported	"	29,423	339,381
Sub-bituminous coal (from Alberta mines only)		—	—
Anthracite coal		—	—
Lignite coal		—	—
Coke (for fuel only)		—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	2,113,993	723,863
Kerosene or coal oil	"	9,638	3,966
Fuel oil	"	4,372,742	1,122,899
Wood (cords of 128 cubic feet of piled wood)	cord	172	1,850
Gas:			
Liquefied petroleum gases (propane, etc.)	Imp. gal.	4,880	1,551
Other manufactured gas		—	—
Natural gas	M cu. ft.	52,131	26,773
Other fuel	—
Electricity purchased for power and lighting	kwh.	108,057,173	1,534,686
Electricity purchased for other purposes		—	—
Total	3,768,031
Electricity generated (a) For own use	kwh.	2,845,360	...
(b) For sale		—	—

ROOFING GRANULES

The greater part of the roofing granules output in Canada comes from Ontario deposits, the remainder from Quebec and British Columbia. More than half of the tonnage used is imported from the United States. Rock suitable for roofing granules is quarried in the Madoc area in Ontario, and in British Columbia. A plant at Havelock, Ontario, colours roofing granules.

The quantity of stone shipped from Canadian quarries to make roofing granules is shown in Tables 4 and 5. The yield of roofing granules is about 60 per cent.

Rocks suitable for granules should be fairly hard, and tough enough to withstand breakage and

dusting through handling with mechanical equipment; should be fine-grained with low porosity to withstand weathering effects from freezing and thawing; and should contain no "foreign materials" such as carbonates, feldspars, mica, sulphides, fibrous minerals, etc., that would deteriorate through natural weathering agencies or through poor adhesion to the asphalt. They should be opaque to the transmission of the actinic rays of the sun and not allow the passage of ultra-violet or infra-red rays to the underlying asphalt; should "break well" and should be uniformly textured to take "artificial colouring" well so that no blotchy effect is apparent in the shingles on a roof, light coloured rock being preferable to dark coloured.

Operators of Stone Quarries, 1963

Includes firms classified to other industries i.e., construction, transportation

Name	Head office address	Location
GRANITE		
Newfoundland:		
British Newfoundland Exploration Ltd. Newfoundland Department of Highways	173 Elizabeth Ave., St. John's St. John's	Tabor Island, Labrador Various
Nova Scotia:		
Dauphinee, W.T. Ltd. ^{2,3} Elmac, Company Limited Gehue's Granite Works ^{2,3} Municipal Spraying & Contracting Ltd. Nixon Granite Works ^{2,3} Nova Scotia Department of Highways Rayner Construction Limited	Box 68, Shelburne Amherst Lawrencetown Box 500, Bedford R.R. #3, Middleton Halifax 29 Commercial Rd., Toronto 17, Ontario	Birchtown and Shelburne Gerrish Mountain Lawrencetown Bedford Nictaux West Various Folly Lake
New Brunswick:		
Acadia Crushed Stone Ltd. ³ Diamond Construction (1961) Ltd. ³ Moncton Crushed Stone Co. Ltd. ³ Nelson Monuments Ltd. ^{2,3} Trites Monuments & Quarry Ltd. ³	Box 703, Moncton Box 100, Fredericton 212 Halifax St., Moncton Box 728, Sussex 569 Woodstock Rd., Fredericton	Moncton Springhill Stilesville King's Co. Hampstead
Quebec:		
Adu Granite Inc. ^{2,3} Beebe Granite Works Reg'd. ^{2,3} Bélanger, P. Bérubé, Lucien ³ Brodies' Ltd. ³	Box 83, N.D.G., Montreal 38 C.P. 10, Beebe Ste. Flore Rimouski Box 70, Iberville	Beebe Lac St. Jean and Beebe Ste. Flore Rimouski Beebe, Graniterville, Guénette and Mount Johnson. Labelle Co. Scotstown St. Gerard, Notre Dame des Anges, Rivière, à Pierre, and St. Alban.
Canadian Pink Granite Ltd. ³ Carrières de Granit Scotstown ³ Ltée (Lps) Carrières Martineau et Deschambault Inc. ³	Guénette 9945 Blvd. St. Michel, Montreal St. Marc des Carrières	
Carrière Rouville Inc. ³ Carrière St. Flavien Inc. ¹ Carrière Shawinigan Ltée ³ Carrières Varennes Ltée ³ Charlebois, G. ³ Cloutier, R.L. Construction Côte Nord Ltd. Continental Titanium Corporation De-Mix Inc. ³	C.P. 593, St. Bruno 1077 Route de L'Eglise Shawinigan Varennes Lacoste Beebe 1155 Dorchester Blvd. W., Montreal 5165 Sherbrooke St. W., Montreal 3350 Blvd. Laurier, Lafleche St. Bruno Rivière-à-Pierre C.P. 458, rue Champoux, Disraeli Box 118, Grenville St. Sébastien St. Gédéon	St. Hilaire Ste. Foy Shawinigan Varennes Labelle Co. Beebe Sept Îles Charlevoix Lafleche St. Bruno Rivière-à-Pierre Stratford Centre Grenville Frontenac Co. St. Anne, St. Joseph d'Alma, Chute du diable and Lac St. Jean.
Granit, F.B., Enrg. ¹ Granit Rivière à Pierre Inc. Grenier, Edward & Émile ³ Haselton Granite Quarries (The) ³ Hydro Québec Janal Inc. ³ Jean & Frère Enrg. ² Lacroix, A & Fils Granit Ltée ³ Laroche, Hector ³ Laurentian, Granite Co., Ltd. Lavoie, Jean-Marc et Phillippe ³ McNamara (Quebec) Ltée Melrose Granite Co. of Canada ³ Moreau, P. Inc. ^{4,3} Peron, J.B. & Frères Enrg. ^{2,3} Plouffe, E. ³ Poudrette, Richard ³ Quebec Cartier Mining Company Quebec Iron & Titanium Corp. Quebec North Shore & Labrador Railway Co. Quebec Supply Co. Ltd. St. Pierre, J. Arthur ³ St. Samuel Granit Enrg. ^{2,3} Saguenay Granit Inc. ¹ Sept-Iles Ready Mix and Equipment Inc. ³ Sicotte, Armand & Fils Ltée ¹ Silver Granite Industries Ltd. ^{2,3} Stanstead Granite Ltd. ^{2,3}	293 rue Dupont, Pont Rouge Rivière-à-Pierre 2922 Ave. de la Montagne, Shawinigan Nord Beebe 107 rue Craig Ouest, Montreal C.P. 280, Ville-Marie 6132-18e Rue, Shawinigan St-Sébastien Rivière-à-Pierre Lac des Écorces Lac St-Jean 3901 Jean Talon St., Montreal Box 220, Barre, Vermont, U.S.A. Hébertville Station Rivière-à-Pierre Lac des Écorces St. Hilaire Port Cartier Sorel 810 Côte de L'Isle Rd., Montreal Box 730, Station B, Montreal Lac des Écorces St. Samuel Station Arvida 310 Joliette, Sept-Îles Lafleche St. Samuel Beebe Pont Rouge	Pont Rouge Rivière-à-Pierre Shawinigan Beebe Various Duhamel Ouest Notre Dame des Anges St. Sébastien Rivière-à-Pierre Lac des Écorces St. Cœur de Marie Pointe-Noire Guénette and St. Gregoire Hébertville Station Portneuf Co. Lac des Écorces St. Hilaire Lac Jeannine Sorel Letellier Twp. Letellier Twp. Lac des Écorces St. Samuel Arvida Lac Daigle Asbestos St. Samuel Beebe St. Basile Portneuf and Wolfe Counties

Operators of Stone Quarries, 1963 - Continued

Name	Head office address	Location
GRANITE - Concluded		
Ontario:		
Armstrong Bros. Co. Ltd.	Box 1000, Brampton	Marmora
Hydro-Electric Power Commission of Ontario	620 University Ave., Toronto	Various
Kingston Quarries Ltd.	Agincourt	Kingston
Mill Lake Stone Quarry ³	36 Burritt St., Parry Sound	McDougall Twp.
Minnesota Minerals Ltd. ^{2,3}	Box 2757, London	Peterborough
Ontario Department of Highways	Toronto	Various
Stonefields Industrial Minerals Ltd. ^{2,3}	1774 Harriet St., North Bay	River Valley
Toronto Cut Stone Supply ³	Richmond Hill	Huntsville
Manitoba:		
Cold Spring Granite (Canada) Ltd. ^{2,3}	905 Lindsay Bldg., Winnipeg	Lac du Bonnet
Manitoba Hydro	Box 815, Winnipeg	Various
British Columbia:		
British Columbia Slate Co. Ltd.	813-475 Howe St., Vancouver	Nelson Island
Canadian National Railways	Montreal, Quebec	Various
Chilliwack Dyking District Board	P.O. Box 270, Chilliwack	Chilliwack
Evans, Coleman and Evans Ltd. ³	North Foot of Columbia St., Vancouver 4	Coquitlam
Granite Falls Quarries, Ltd. ¹	1160 Sinclair St., West Vancouver	Granite Falls
Inland Quarries Ltd. ¹	5498 Fraser St., Vancouver	Agassiz
International Marble & Stone Co. Ltd.	4344 Macleod Trail, Calgary, Alberta	Nelson
Jamieson Construction Co. Ltd.	3613 Eastern Hastings St.	Vancouver
Pacific Great Eastern Railway Company	1095 West Pender St., Vancouver 1	Mile 51.3
Pacific Silica Ltd.	Box 397, Oliver	Oliver
Trail, City of	1394 Pine Ave., Trail	Trail
Valley Granite Products Ltd. ³	410 Mayfair Ave., Chilliwack	New Westminster
Vancouver Granite Co. Ltd. ³	880 Beach Ave., Vancouver 1	Vancouver
LIMESTONE		
Newfoundland:		
Dominion Steel & Coal Corp. Ltd. (Limestone Quarries) ³	Aguathuna	Aguathuna
Newfoundland Lime Mfg. Co. Ltd. ³	St. John's	Cobbs Arm
Nova Scotia:		
Cook, Bruce E. ³	R.R. #1, Hubbards	East River Point
Kirkhill Limestone Co. Ltd. ³	Kirkhill	Kirkhill
Mosher Limestone Co. Ltd. ^{2,3}	Upper Musquodoboit	Upper Musquodoboit
New Brunswick:		
Atlas Construction Co. Ltd.	4781 St. Catherine St. W., Montreal, Quebec	Grand Falls
Brookville Manufacturing Co. Ltd. ³	Brookville	Brookville
Canada Cement Company Limited	Box 490, Station B, Montreal, Quebec	Havelock
Carleton Lime Co. Ltd.	Upper Kent	Upper Kent
Elm Tree Limestone Co-operative Ltd. ³	Petit Rocher Nord	Petit Rocher Nord
Havelock Lime Works ³	Havelock	Havelock
Lofstrom Construction Co. Ltd.	Box 613, Fredericton	Saint John
Snowflake Lime Ltd.	Box 954, Saint John	Saint John
Quebec:		
Aluminum Company of Canada Ltd.	Box 6090, Montreal	Wakefield
Amendements Calcaires de Rivière-Bleue Enrg. (Les) ³	Rivière-Bleue	Rivière-Bleue
Back River Quarries Ltd. ³	680 boul. Labelle, l'Abord-à-Plouffe	Vimont
Beaudry, Pitro Enrg. ³	133 Taché St., Joliette	Joliette
Bédard, Jean, Ltée	117 rue Clément, La Salle	Caughnawaga
Billet A, Ltée	Chomedey	Laval Co.
Bomar Contractors Ltd.	Cap St. Martin	Cap St. Martin
Calcaires Salaberry Inc. ³	St. Philippe	Laprairie
Calcites du Nord Inc. (Les) ³	Village des pères, Mistassini	Mistassini
Canada Cement Co. Ltd.	Box 490, Station B, Montreal	Hull and Montreal East
Carrière Andorno ³	Cap St-Martin	Cap St-Martin
Carrière Beaudry Ltée ³	2455 est, rue Jarry, Montreal 38	Duvernay
Carrière Bernier Ltée ³	R.R. 2, St-Jean	Rang du Petit Bernier
Carrière d'Action Vale Ltée ³	Acton Vale	Bagot Co.
Carrière du Cap St-Martin Enrg. ³	Cap St-Martin	Cap St-Martin
Carrière Charlesbourg Ltée ³	1995 Blvd St. Charles, Charlesbourg	Charlesbourg Est
Carrière Coteau du Lac Inc. ³	C.P. 100 Point-Claire	Point-Claire
Carrière Gouin Limítée ³	132 Boul. Normand, Trois-Rivières	St. Marc des Carrières
Carrières Goyer (Division Dominion Lime Ltd.) ³	St. Bruno	St. Bruno
Carrières Langlois Ltée ³	St. Marc des Carrières	St. Marc des Carrières
Carrières Laurentiennes Inc. (Les) ³	300 Blvd. Ducharme, Sté Thérèse	St. Antoine des Laurentides
Carrières Martineau & Deschambault Inc. ^{2,3}	St. Marc des Carrières	St. Marc des Carrières
Carrières Montmartre Inc. (Les) ³	St. Donat	St. Alexis
Carrière de Montréal-Est Ltée ³	11175 Blvd. Métropolitain, Montreal	Montreal-Est
Carrières Normont Ltée (Les) ³	1100 Blvd. Goineau, Point Vlau	Chomedey
Carrière Pointe-Claire Inc. ³	Kirkland	Kirkland
Carrière Roberval Ltée ³	Roberval	Roberval

Operators of Stone Quarries, 1963 - Continued

Name	Head office address	Location
LIMESTONE - Continued		
Quebec - Concluded:		
Carrière de St-Barthélemy Ltée ³	St-Barthélemy	St-Barthélemy
Carrières de St-Dominique Ltée (Les) ³	St-Dominique	St-Dominique
Carrières St-Eustache Ltée ³	St. Eustache	St-Eustache
Carrière St. François Ltée ³	St. Germain	Drummond Co.
Carrière St. Maurice Inc. ³	135 Blvd. Normand, Trois Rivières	Champlain Co.
Carrières St. Paul Quarries Inc. ³	St. Paul d'Abbotsford	Rouville Co. and St. Pie de Bagot
Charbonneau, Lucien ²	13 Chapleau, Terrebonne	St-François-de-Sales
Ciment Québec, Inc.	St. Basile, Cte Portneuf	St. Basile
Compagnie Miron Ltée ³	2201 Jarry St. E., Ville St. Michel	Ville St. Michel
Department of Colonization	Quebec	Various
Deschenes Construction Ltd.	36 Dussault St., Hull	Aylmer
Dominion Lime Ltd.	Lime Ridge	Lime Ridge
Domtar Chemicals Ltd. (Lime Division)	Box 506, Station F, Toronto 5, Ontario	Joliette and St. Marc des Carrières
Gaspeia Pulp and Paper Co. Ltd.	Chandler	Gascons W.
Gauthier, Jos. O. Ltée ³	St. Marc des Carrières	St. Marc des Carrières
Gingras & Frère Ltée ¹	Stanhope	St. Marc des Carrières
Glen Lawrence (Quebec) Construction Co. Ltd.	Box 230, Kingston, Ontario	Drummondville
Highway Paving Co. Ltd. (The) ³	3701 Jarry St. E., St. Michel	Ville St. Michel
Joliette Asphalte Ltée ³	499 rue Forest, St. Paul de Joliette	St. Jacques
Joliette Construction Co. Ltd. ³	Joliette	Joliette
Lagacé Quarries Ltd. ³	680 Blvd. Labelle, L'Abord à Plouffe	St. Martin
Langlois, J.M. Inc.	169 St. Laurent, La Prairie	La Prairie
Leclerc, J.J., and Fils Ltée ³	10301 Armand Lavergne, Montreal	Drapeau
Masson, R. ³	27 A Langevin Ave., Hull	Aylmer East
Methé Frères Ltée	Bedford	Stanbridge Station
Ministère de la Voirie	Quebec	Various
Modern Quarries Inc. ³	Bon Conseil	St. Cyrille
Pénitencier St. Vincent de Paul	400 Montée St. Francois, St. Vincent de Paul	Rang St. François
Plourde & Plourde Limitée ³	26 rue Calixte, Chicoutimi	Carillon Tremblay
Quebec Ready-Mix Inc. ³	1000 rue Goupil, Quebec 3	Charlesbourg Ouest
Regional Construction Co. ³	Hemmingsford	St. Louis de Gonzague
Roux, R. & M.	Cowansville	Cowansville
Rivermont Construction Co. Ltd.	Box 400, Caughnawaga	Caughnawaga
Roy & Trottier Inc.	Bailevile	St. Louis de France
St. Francis Rock, Products & Equipment Ltd.	801 Laird Ave., Mount Royal	St. Laurent
St. Lawrence Columbium & Metals Corp.	159 rue Craig, Montreal	Oka
St. Regis Paving & Supply Inc.	St. Isidore Junction	St. Isidore
Sauvé, J.O. ³	59 rue Principale, Ste Rose de Lima	Hull-Sud
Shawinigan Chemicals Ltd. ³	600 Dorchester St. W., Montreal	Bedford
Sicotte Armand & Fils Ltée	1950 Sir Wilfrid Laurier, La flèche	Berthierville
T.R.P. Construction ³	1067 Mt. Royal, Montreal	Ste. Rosalie
Terrebonne Quarries Ltd. ³	680 Blvd. Labelle, Chomedey	St. Francois de Sale
Union des Carrières and Pavages Ltée ³	496 - 21ème Ave., Québec	Charlesbourg
Union Construction Limitée ³	24 rue Montcalm, Iberville	St-Jean
United Stone Products Ltd. ³	Ste-Geneviève de Pierrefonds	Ste-Geneviève de Pierrefonds
Verreault, Elzéar, Ltée	3725 rue St. Henri, Gifford	Gifford
Viau, Paul Construction ³	340, boul. du Havre, Valleyfield	Valleyfield
Ontario:		
Acton Limestone Quarries Ltd. ³	385 Bay St., Toronto I	Acton
Ambler Quarries Ltd. ³	Amherstburg	Amherstburg
Armstrong Bros. Company Limited	Box 1000, Brampton	Vinemount, Marmora, Georgetown, and Ottawa.
Associated Quarries & Construction Co. (Dufferin Quarry Division) ³	2700 Dufferin St., Toronto 19	Milton
Bertrand & Frère Construction Co. Ltd.	L'Orignal	Longueuil twp.
Black River Limestone Products ³	16 Manning Ave, Peterborough	Harvey Twp.
Blair A.L. Construction ³	R.R. 2 Moose Creek	Moose Creek
Bruce Peninsula Stone Quarry	Wiarton	Amabel Twp.
Brunner Mond Canada Ltd.	c/o Allied Chemical Canada Ltd. 1155 Dorchester Blvd. W. Montreal, Quebec.	Amherstburg
Campbell, George, Co. Ltd.	Box 279, Fort Erie	Bertie Twp.
Canada Cement Co. Ltd.	P.O. Box 490, Station "B", Montreal, Quebec	Woodstock, Point Anne, and Port Colborne
Canada Crushed and Cut Stone Ltd. ³	Box 100, Hamilton	Dundas and Hagersville
Canadian Dolomite Company ³	Portage du Fort, Quebec	Ross Twp.
Canadian Gypsum Company Limited	Box 4034, Postal Station A, Toronto	Guelph
Carlton Lime Products Co.	Box 1000, Carlton Place	Ramsay Twp.
Cayuga Quarries Ltd. ³	Cayuga	Cayuga
Chemical Lime Ltd.	Box 100, Ingersoll	Beachville
Cloverleaf Quarries Ltd.	419 Cherry St., Toronto	Campbellville
Collin's Bay Penitentiary	Box 190 Kingston	Collin's Bay
Cook, J.S., Stone Quarries	Wiarton	Bruce Co.
Cope, A., and Sons Ltd.	19 Albert St., Hamilton	Saltfleet Twp.
Cyanamid of Canada Ltd. ³	5550 Royalmount St., Mount Royal	Ingersoll
Dibblee Construction Co. Limited	384 Bank St., Ottawa	Bowesville
Dominion Magnesium Ltd.	7 King St., Toronto	Haley
Domtar Chemicals Ltd. (Lime Division)	Box 506, Station F, Toronto 5	Beachville and Hespeler
Ebel Quarries ³	Wiarton	Wiarton
Frazer-Duntile Co. Ltd.	2019 Carling Ave., Ottawa	Nepean Twp.
Frontenac Quarries Ltd. ³	225 Wellington St., Kingston	Kingston
Fulton, J.L. ³	247 Toke St., Timmins	Haileybury
Glen Lawrence Construction Co. Ltd.	Kingston	Athens
Gray, J., and Son ³	R.R. 2, Hamilton	Flamboro Twp.
Hagersville Quarries Company ³	2700 Dufferin St., Toronto 19	Hagersville
Haldimand Quarries and Construction Ltd. ³	55 York St., Toronto 1	Hagersville
Halton Crushed Stone Ltd. ³	Milton	Milton

Operators of Stone Quarries, 1963 - Continued

Name	Head office address	Location
LIMESTONE - Concluded		
Ontario - Concluded:		
Indusmin Ltd.	7 King St. E., Toronto 1	Coboconk
Jamieson Lime Co. ³	110 Hall Ave., Renfrew	Horton Twp.
King Paving & Materials Ltd. (Nelson Crushed Stone) ³	Box 550, Oakville	Oakville
Lake Ontario Portland Cement Co. Ltd.	Box 620, Picton	Picton
Legendre, L.P. ³	449 Blake Blvd., Ottawa	Rutherford
Limestone Quarries Ltd. ³	1135 Leslie St., Don Mills	Orillia Twp.
McGinnis and O'Conner Limited	394 King St. E., Kingston	Barriefield
Milton Quarries Limited ³	112 King St. W., Toronto 1	Milton
Norfolk Quarry	R.R. 3, Simcoe	Norfolk
Ottawa Valley Crushed Stone Limited ³	Box 490, Station "B", Montreal, Quebec	Eastview
Owen Sound Ledgerock Ltd. ^{2,3}	1065-10th St. W., Owen Sound	Shallow Lake
Peninsula Limestone Ltd. ¹	20 Queen St., St. Catharines	Thorold
Permanent Transit Mix Concrete Ltd. ³	Brockville	Elizabethtown Twp.
Port Colborne Quarries Ltd. ³	Port Credit	Port Colborne
Queenston Quarries Ltd. ^{2,3}	605 James St. N., Hamilton	Niagara Falls
Rideau Aggregate Co. ³	110 Manville Rd., Scarborough	Verona
Ridgemount Quarries Ltd. ³	Box 40, Stevensville	Bertie Twp.
Rieger Bros. Construction Co. Ltd. ²	Scudder	Pelee Island
Roblindale Quarries Ltd. ³	Talbot St., Picton	Roblin
St. Catharines Crushed Stone Ltd. ³	Box 100, Thorold	Grantham Twp.
St. Lawrence Cement Co.	Box 520, Clarkson	Ogden Point
St. Mary's Cement Co. Ltd.	2221 Yonge St., Toronto 7	St. Mary's
Storey Construction ³	R.R. 2, Bath	Napanee
Vineland Quarries & Crushed Stone Ltd. ³	Vineland	Vineland
Walker Bros. Quarries Ltd. ³	Box 100 Thorold	Stamford Twp.
Manitoba:		
Building Products & Coal, Co. Ltd.	111 Christie St., Winnipeg	Inwood
Canada Cement Co. Ltd.	Box 490, Station B, Montreal, Quebec	Steep Rock
Garson Quarries Ltd. ³	Box 3532, Station B., Winnipeg 4	Garson
Gillis Quarries Ltd. ^{2,3}	1348 Spruce St., Winnipeg	Garson
Manitoba Department of Highways	Winnipeg	Various
Manitoba Hydro Commission	Box 815, Winnipeg	Various
Saskatchewan Cement Co. Ltd.	Box 2555, Edmonton, Alberta	Mafeking
Selkirk Silica Co. Ltd.	491 Portage Ave., Winnipeg 2	Spearhill and Stonewall
Standard Cartage & Machine Rentals	Geyser Ave., Brooklands	Stonewall
Winnipeg, City of, Engineering Departments	223 James Ave., Winnipeg 2	Stony Mountain
Alberta:		
Better Rock Co. Ltd. (The) ³	Box 151, Canmore	Canmore
Canada Cement Co. Ltd.	Box 490, Station B, Montreal, Quebec	Exshaw
Foothills Rock Wool Co. Ltd. ³	5419 Thornton Road, Calgary	Cascade
Inland Cement Company Ltd.	Box 2555, Edmonton	Cadomin
Kamenka, L.J. ³	Box 206, Canmore	Canmore
Loder's Lime (Alberta) Ltd.	5504-3rd St. S.E., Calgary	Kananakis
Summit Lime Works Ltd.	P.O. Box 700, Lethbridge	Lethbridge
British Columbia:		
British Columbia Department of Highways	Victoria	Various
Cheam Marl Products Ltd. ³	Chilliwack	Cheam Lake
Cobble Hill Lime Products	Box 25, Cobble Hill	Cobble Hill
Consolidated Mining and Smelting Co. of Canada, Ltd. ¹	Trail	Norkay
Domtar Chemicals Ltd. (Lime Division)	Box 506, Station F, Toronto, Ontario	Blubber Bay
Fraser Valley Lime Supplies ³	7583 Edmonds St., Burnaby	Popkum
Ideal Cement Company Limited ²	1155 Georgia St., Vancouver 5	Nanaimo
Imperial Limestone Co. Ltd. ³	7309 E. Marginal Way S, Seattle, Washington, U.S.A.	Van Anda
International Marble & Stone Co. Ltd. ³	4344 Macleod Trail, Calgary, Alberta	Sirdar
Kneye Limestone (1962) Ltd. ³	Bella Bella	Koeye River
Lafarge Cement of North America Ltd. ³	1051 Main St., Vancouver 4	Van Anda
O.K. Marl Co. Ltd. ³	Okanagan Falls	Okanagan Falls
MARBLE		
Quebec:		
Cape, E.G.M. Co. (1956) Ltd.	4998 Western Ave., Westmount, Montreal 6	Westmount
Carrières Langlois & Frère Engr. ³	South Stukely	South Stukely
Carrières St. Armand Ltée ³	St. Armand	Mississquoi Co.
Industrial Fillers Ltd.	4820-41 B Ave., Montreal 36	St. Armand
Oxford Marble Co. Ltd. ³	St. Leonard	North Stukeley
South Stukely Marble and Terrazzo ¹	South Stukely	South Stukely
Waterloo Mines Inc. ³	Waterloo	South Stukely
Ontario:		
Anglestone Limited	Preston	Hopetown, Oso Twp. and Tatlock
Bolender's Limited ^{2,3}	Haliburton	Eagle Lake
Bonter W.F. & Co. Ltd. ³	Box 130, Clarkson	Malone
Canada Talc Industries Ltd.	Box 250, Madoc	Madoc
Grenville Marble Co. Ltd.	67 Yonge St., Toronto 1	Hastings Co.
Hastings Marble Products Ltd. ^{2,3}	Box 10, Madoc	Madoc
Madoc Marble Quarries Ltd. ^{2,3}	Box 172, Madoc	Madoc
Omega Marble Tile & Terrazzo Ltd.	20 Principal Rd., Scarborough	Darling Twp.
Stoklosa Marble Quarries Ltd. ^{2,3}	Box 389, Madoc	Madoc

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Operators of Stone Quarries, 1963 - Concluded

Name	Head office address	Location
SANDSTONE		
Newfoundland:		
Lundrigan's Concrete (East) Ltd.	Box 5070, St. John's	White Hills
Newfoundland Department Highways	St. John's	Various
Prince Edward Island:		
Prince Edward Island Department of Highways	Charlottetown	Various
Nova Scotia:		
Coughlan, James S., Marble & Granite Works ^{2,3}	1-31 Bedford Rd., Halifax	Ostrea Lake
Goulet, Mrs. A. ^{1,3}	Box 12, Lake Echo	Lake Echo
Nova Scotia Department of Highways	Halifax	Various
Wallace Quarries Ltd. ^{2,3}	Wallace	Wallace
New Brunswick:		
New Brunswick Department of Highways	Fredericton	Various
Smith, E.A., Estate ¹	Shediac	Shediac
Quebec:		
Bissonnette, Alfred ³	Laval sur le lac	Laval sur le lac
Carrières Jessop Engr. (Les)	Rivière du Loup	Rivière du Loup
Carrière Montmagny Inc. ³	Montmagny	Montmagny
Carrières St. Chrysostome Inc. (Les) ³	3611 rue St. Denis, Montreal	Hemmingford
Carrière des Trois Pistoles ³	Trois Pistoles	Trois Pistoles
Carrières Universelles Ltée (1963) ³	C.P. 10, Nicolet	St. Valier
Gagnon, L.P., Ltée ³	7 ave., Gagnon, Lévis	St. David
Iron Ore Company of Canada	Sept-Îles	Schefferville
Modern Paving Construction Ltd.	Bon Conseil	Bon Conseil
Notre Dame Quarries Company Ltd. ³	Bon Conseil	Bon Conseil
Pavage Frontenac Ltée ³	241 de la Salle, Quebec	Princeville and Ste. Foy
Sherbrooke, City of	Sherbrooke	Ascot
Unlon Carbide Exploration Ltd.	123 Eglinton Ave. E., Toronto, Ontario	Melocheville
Ontario:		
Barnes, Wm. R. Co. Ltd.	Waterdown	Nassagaweya
Campbell Sandstone Quarries ³	R.R. 2, Bell's Corners	Bell's Corners
Cohoon, W.J. ³	Limehouse	Limehouse
Comer's Sandstone Quarries Ltd. ³	Belfountain	Belfountain
Deforest Bros. ³	Terra Cotta	Inglewood
Garvin & Logan ³	Glen Williams	Inglewood
Kingston Quarries Ltd. ³	Box 99, Agincourt	Kingston
McAlpine Quarry ³	Inglewood	Caledon Twp.
Norrie, Steve ³	27 Mountain View Rd., Georgetown	Inglewood
Primeau Argo Block Co. Ltd.	449 Hensall Circle, Cooksville	Glen Williams
Rice and McHarg Ltd. ³	R.R. 1 Limehouse	Limehouse
Smithson Quarries ³	Terra Cotta	Inglewood
Structural Sandstone ³	Georgetown	Georgetown
Walker Bros. Quarry ³	Inglewood	Inglewood
Wilson, A., Quarries ³	Laurel	Inglewood
Zilio A. ³	Terra Cotta	Terra Cotta
Alberta:		
Sil San Company	Box 95, Exshaw	Exshaw
Thunderstone Quarries Ltd. ³	Box 992, Calgary	Calgary
British Columbia:		
Canadian Pacific Railway Company	Windsor Station, Montreal, Quebec	Various
Consolidated Mining and Smelting Co. of Canada Ltd.	Trail	Kimberley
SHALE		
Quebec:		
Cell-Rock Inc. ³	218 Bedford Ave., St. Lambert	Lafleche
Alberta:		
Burtex Industries Limited ¹	2620 Blackburn Rd., Calgary	Calgary
British Columbia:		
British Columbia Lightweight Aggregates Ltd. ³	475 Howe St., Vancouver	Saturna Island
Mountain Minerals Ltd.	Box 700, Lethbridge, Alberta	Canal Flats
SLATE		
Quebec:		
Langlois, J.M.	169 rue St. Laurent, Laprairie	Laprairie
British Columbia:		
Richland Industrial Minerals Ltd.	2890 Kent St., Vancouver 1	McNabb Creek

¹ Did not ship in 1963.² Firms operating dressing works in conjunction with quarry.³ The establishments in this group refer only to operators classified as establishments to the Stone Quarries Industry in accordance with the new S.I.C.

Note: Firms in the above directory include all producers of stone including operators classified as establishments in the Stone Quarries Industry as well as other operators which have been reclassified to other industries as a result of combinations in line with the new establishment concept.