

Sand, Gravel and Stone.—Deposits of sand and gravel are numerous throughout eastern Canada, with the exception of Prince Edward Island where gravels are scarce. The local needs for these materials are usually supplied from the nearest deposits as their cost to the consumer is governed largely by the length of the haul. This accounts for the large number of small pits and the small number of large plants. Every province, except New Brunswick and Prince Edward Island, produces natural bonded sand but some grades particularly suitable for certain industries demand a much higher price than ordinary sand. Quebec and Ontario contributed 68 p.c. of the total quantity of sand and gravel in 1949. The greater part of the output is used in road improvement, concrete works and railway ballast, and most of the commercial plants are equipped for producing crushed gravel, a product that can compete with crushed stone.

The stone industry has two main divisions, stone quarrying and the stone-products industry. The granite, limestone, marble, sandstone and slate quarries of Canada yield high-grade structural and decorative materials and also supply requirements for chemical and other allied industries. The gross value of stone of all varieties produced in Canada in 1949 totalled \$20,528,073 as compared with \$17,949,000 in 1948.

32.—Quantities and Values of Sand, Sand and Gravel, and Stone Produced, 1946-48

Material and Purpose	1946		1947		1948	
	Quantity	Gross Value	Quantity	Gross Value	Quantity	Gross Value
	tons	\$	tons	\$	tons	\$
Sand—						
Moulding sand.....	32,375	61,419	26,397	61,736	51,852	91,394
For building, concrete, roads, etc.....	3,421,830	1,681,572	3,418,072	1,981,328	7,786,416	3,487,568
Other.....	61,801	19,117	46,172	18,350	60,590	18,398
Sand and Gravel—						
For railway ballast.....	3,968,123	867,616	4,161,151	986,241	4,523,664	1,259,385
For concrete, roads, etc.....	26,640,116	10,530,718	41,887,705	16,619,097	46,513,278	20,555,655
For mine filling.....	2,024,029	426,063	1,893,843	429,946	1,480,558	364,922
Crushed gravel.....	3,801,720	1,943,195	5,356,229	3,017,733	8,254,505	4,862,274
Totals, Sand, Sand and Gravel.....	39,949,994	15,529,700	56,789,569	23,114,431	68,670,863	30,629,596
Stone—						
Building.....	70,928	1,411,298	102,841	2,098,865	144,269	2,451,793
Monumental and ornamental.....	22,233	1,129,046	21,708	1,475,899	21,006	1,493,340
Limestone for agriculture.....	480,639	1,044,651	450,553	1,056,299	595,421	1,206,639
Chemical Uses—						
Flux.....	415,389	370,074	580,467	545,287	577,840	564,433
Pulp and paper.....	247,388	478,074	311,024	696,880	353,661	821,221
Other.....	208,371	215,917	313,110	504,005	257,734	1,291,565
Rubble and riprap.....	326,265	286,142	593,406	752,608	1,201,877	1,469,885
Crushed.....	6,073,451	5,340,831	8,254,311	8,119,479	8,544,835	8,649,677
Totals, Stone¹.....	8,056,260	11,185,711	10,889,388	16,464,749	11,696,643	17,948,553

¹Totals include minor items not specified.