

26-215

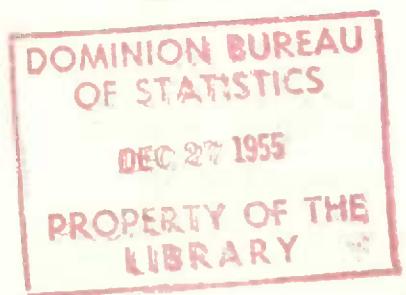
C-3



CANADA

THE SAND AND GRAVEL INDUSTRY

1954



Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Mineral Statistics Section

6502-580-124

Price 25 cents

Vol. 1—Part I—S-1

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1955.

NOTICE

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

Volume I consists of the following parts:

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

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

- A - General Review of the Mining Industry, 50¢
- B - The Gold Mining Industry, 50¢
- C - The Silver-Lead-Zinc Mining Industry, 25¢
- D - The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E - The Miscellaneous Metal Mining Industry, 25¢
- F - The 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 Drilling in the Mining Industry, 25¢

THE SAND AND GRAVEL INDUSTRY

1954

The commercial sand and gravel produced in 1954 amounted to 110,961,034 short tons valued at \$53,987,571 compared with 101,033,949 tons worth \$53,485,401 in the preceding year. These totals include sand and gravel used by railroads as ballast, gravel used by mines as back fill and sand recovered by dredges, as well as similar materials from other sources.

Sand and gravel production in Ontario, amounting to 40,433,191 tons in 1954, was 6 per cent higher than in 1953; in Quebec the output of 30,052,887 tons showed an increase of 12 per cent.

Sand and gravel plants in Canada washed or screened 18,235,951 tons in 1954 compared with 16,269,734 tons in 1953 and the bank or pit-run grades amounted to 92,725,083 tons compared with 84,764,215 tons in 1953.

The industry employed an average of 4,437 persons to whom \$12,933,759 were paid as salaries and wages. Fuel cost \$2,086,693 and 18,763,336 kwh. of electricity were purchased for \$285,277. Process supplies were valued at \$712,905.

Imports of sand and gravel in 1954 were 283,849 tons valued at \$287,083 and exports were 305,831 tons valued at \$324,633.

TABLE 1. Principal Statistics for the Sand and Gravel Industry, Significant Years 1921-1954

Year	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products	Net value of production
	No.	No.	\$	\$	\$	\$	\$
1921	N.A.	655	454,910	65,382	N.A.	1,393,324	N.A.
1929	2,598	1,941	1,902,452	285,491	N.A.	5,959,420	N.A.
1931	3,185	2,985	2,647,755	292,892	N.A.	6,110,059	N.A.
1933	4,533	2,632	1,142,035	129,410	N.A.	4,341,665	N.A.
1937	7,373	6,084	3,468,471	232,169	63,179	10,492,696	10,197,348
1939	6,137	5,945	3,842,148	195,444	79,065	10,772,215	10,497,706
1941	5,309	3,072	2,790,376	389,643	85,004	9,553,934	9,079,287
1944	5,271	1,773	2,261,530	333,259	58,479	9,244,187	8,852,449
1946	5,167	2,793	3,413,876	501,467	78,022	14,651,933	14,072,444
1949	6,838	3,863	7,147,334	1,183,471	316,693	29,992,795	28,492,631
1951	7,455	4,060	9,904,254	1,793,551	516,258	43,226,982	40,917,173
1952	8,077	4,185	11,655,036	1,916,607	756,638	49,567,031	46,893,786
1953	7,485	4,377	12,610,734	2,165,707	1,360,545	51,481,052	47,954,800
1954	7,751	4,437	12,933,759	2,371,970	712,905	56,424,159	53,339,284

TABLE 2. Principal Statistics¹ for the Sand and Gravel Industry, by Provinces, 1953 and 1954

Province	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of products sold during year (f.o.b. works)	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1953							
Newfoundland	872	508	1,230,942	18,136	58,949	940,824	863,739
Nova Scotia	454	189	404,996	15,854	2,600	1,451,450	1,432,996
New Brunswick	252	143	317,500	8,085	1,460	1,141,996	1,132,451
Quebec	3,480	1,284	3,651,246	281,257	702,688	11,284,610	10,300,665
Ontario	1,167	1,603	4,849,126	1,553,442	264,743	24,013,480	22,195,295
Manitoba	162	134	401,946	64,722	111,672	1,278,924	1,102,530
Saskatchewan	257	93	335,005	23,562	130,630	2,084,401	1,930,209
Alberta	126	81	246,866	54,272	44,387	4,763,126	4,664,467
British Columbia	715	342	1,173,107	146,377	43,416	4,522,241	4,332,448
Total	7,485	4,377	12,610,734	2,165,707	1,300,545	51,481,052	47,954,800
1954							
Newfoundland	909	421	1,327,318	14,790	43,517	1,001,011	942,704
Nova Scotia	472	227	430,820	18,782	3,500	1,291,757	1,269,475
New Brunswick	303	143	320,790	8,130	1,100	1,663,850	1,654,620
Quebec	3,602	1,227	3,556,722	229,811	60,580	12,237,631	11,947,240
Ontario	1,205	1,752	5,241,906	1,708,340	363,101	26,263,086	24,191,645
Manitoba	176	178	392,777	113,343	26,320	1,790,235	1,650,572
Saskatchewan	254	119	454,584	63,653	148,991	1,888,778	1,676,134
Alberta	119	75	229,124	50,654	14,736	4,428,248	4,362,858
British Columbia	711	295	979,718	164,467	51,000	5,859,563	5,644,036
Total	7,751	4,437	12,933,759	2,371,970	712,905	56,424,159	53,339,284

1. Does not include data on sand and gravel produced by railroads. In 1954 the railroads' production, by 13 operators, was 6,596,686 tons valued at \$2,563,512. Salaries and wages paid to workers at these pits were \$784,092 for the year. In 1953 the railroads' production, by 13 operators, was 6,440,441 tons valued at \$2,004,349 and salaries and wages totalled \$643,219.

2. Gross value less cost of fuel and electricity, and process supplies.

TABLE 3. Production¹ of Sand and Gravel, 1945-1954

Year	Tons	Value
		\$
1945	29,750,703	10,563,363
1946	39,949,994	15,529,700
1947	56,739,560	23,114,431
1948	68,670,363	30,629,596
1949	63,356,308	31,181,541
1950	73,095,163	36,434,759
1951	92,972,321	44,627,559
1952	102,895,545	51,339,043
1953	101,033,949	53,485,401
1954	110,961,034	58,987,671

1. Does not include production of natural silica sand nor of silica sand manufactured from quartz or silica rock; production of these is recorded under quartz.

TABLE 4. Production of Sand and Gravel, by Kinds, 1953 and 1954

	Washed or screened	Bank or pit-run	Total value				
			Tons				
1953							
Production¹:							
Sand:							
Moulding sand	14,308	6,367	61,222				
Building sand and sand for concrete, road-work, etc.	6,016,633	2,603,065	6,683,894				
Core sand	—	1,134	2,248				
Other sand (including blast sand, engine sand, etc.)	93,425	412,206	246,374				
Sand and gravel:							
Sand and gravel for railway ballast	273,194	8,163,051	3,032,939				
Sand and gravel for concrete, road-building, etc.	5,347,802	60,777,892	32,228,212				
Mine fill	—	3,007,909	1,074,757				
Crushed gravel	4,524,372	9,792,591	10,155,755				
Total	16,269,734	84,764,215	53,485,401				
1954							
Production¹:							
Sand:							
Moulding sand	12,494	5,837	48,544				
Building sand and sand for concrete, road-work, etc.	5,888,992	3,072,386	6,950,734				
Core sand	126	458	1,667				
Other sand (including blast sand, engine sand, etc.)	60,015	314,105	134,728				
Sand and gravel:							
Sand and gravel for railway ballast	194,733	5,888,377	2,433,413				
Sand and gravel for concrete, road-building, etc.	6,606,645	67,293,186	35,652,959				
Mine and other fill	13,553	4,392,099	1,345,235				
Crushed gravel	5,459,393	11,758,635	12,420,391				
Total	18,235,951	92,725,083	58,987,671				

1. Does not include production of natural silica sand nor of silica sand manufactured from quartz or silica rock; production of these is recorded under quartz in the bulletin, "The Feldspar and Quartz Mining Industry".

TABLE 5. Production¹ of Sand and Gravel, by Provinces, 1952-1954

Province		1952	1953	1954
Newfoundland	Tons	1,654,471	1,908,187	2,105,522
	\$	936,013	1,023,622	1,096,883
Nova Scotia	Tons	1,574,539	1,523,083	1,330,979
	\$	1,269,540	1,459,770	1,297,693
New Brunswick	Tons	3,670,289	2,648,235	3,528,318
	\$	1,815,576	1,282,421	1,832,299
Quebec	Tons	32,060,910	26,694,125	30,052,887
	\$	12,744,630	11,630,482	12,985,931
Ontario	Tons	43,423,737	43,658,099	46,433,191
	\$	23,240,203	24,359,496	26,577,612
Manitoba	Tons	3,763,418	4,686,323	4,831,716
	\$	1,253,642	1,524,629	2,084,367
Saskatchewan	Tons	3,544,602	4,770,368	5,211,429
	\$	1,657,919	2,216,894	2,055,766
Alberta	Tons	5,066,403	7,651,261	7,313,380
	\$	3,590,687	5,097,720	4,867,410
British Columbia	Tons	8,137,176	7,494,268	10,153,612
	\$	4,830,833	4,890,367	6,189,710
Canada	Tons	102,895,545	101,033,949	110,961,034
	\$	51,339,043	53,485,401	58,987,671

I. Includes sand and gravel produced by railroads and dredgers.

TABLE 6. Production of Washed or Screened and Pit-run Grades, by Provinces, 1954

Province	Washed or screened	Bank or pit-run	Total
	Tons		
Newfoundland	85,100	2,020,422	1,096,883
Nova Scotia	197,996	1,132,983	1,297,693
New Brunswick	51,300	3,477,018	1,832,299
Quebec	2,752,831	27,300,056	12,985,931
Ontario	11,140,291	35,292,900	26,577,612
Manitoba	937,200	3,894,516	2,084,367
Saskatchewan	136,018	5,075,411	2,055,766
Alberta	433,872	6,879,508	4,867,410
British Columbia	2,501,343	7,652,269	6,189,710
Total	18,235,951	92,725,083	58,987,671

TABLE 7. Production for Building and for Concrete, Roads, etc., by Provinces, 1954

	Sand		Sand and gravel			
	For building, concrete, roads, etc. ¹		For railway ballast		For concrete, roads, etc.	
	Tons	\$	Tons	\$	Tons	\$
Newfoundland	1,148	1,022	296,830	93,546	1,807,022	1,002,139
Nova Scotia	28,386	11,488	159,586	109,362	1,092,308	1,117,097
New Brunswick	—	—	102,323	14,737	3,278,357	1,663,926
Quebec	2,300,322	1,215,590	803,783	650,254	18,886,583	5,564,104
Ontario	5,881,312	5,074,011	1,950,869	558,945	28,012,283	14,562,291
Manitoba	160,285	109,465	1,266,509	307,640	3,104,838	1,437,071
Saskatchewan	133,786	35,970	377,899	124,774	3,629,523	1,391,725
Alberta	85,100	177,626	956,917	414,638	5,948,282	3,857,196
British Columbia	371,039	325,562	368,394	159,517	8,140,635	5,057,410
Canada	8,961,378	6,950,734	6,083,110	2,433,413	73,899,831	35,652,959

1. Exclusive of engine and other sands and mine fill.

TABLE 8. Production of Moulding and Core Sand and Crushed Gravel, by Provinces, 1954

Province	Moulding sand and core sand		Crushed gravel	
	Tons	\$	Tons	\$
Newfoundland	—	—	—	—
Nova Scotia	607	3,186	50,092	56,560
New Brunswick	—	—	145,883	153,376
Quebec	—	—	7,535,822	5,412,266
Ontario	18,107	46,676	7,569,831	5,423,651
Manitoba	181	199	287,201	219,255
Saskatchewan	20	150	451,454	210,123
Alberta	—	—	521,299	417,686
British Columbia	—	—	656,446	527,474
Canada, 1954	18,915	50,211	17,218,028	12,420,391
Canada, 1953	21,809	63,470	14,316,963	10,155,755

TABLE 9. Employees and Their Earnings in the Sand and Gravel Industry, 1950-1954

Year	Number of employees					Number of man-hours worked (all employees)	Earnings			
	Office and administrative		Workmen		Total		Office and administrative	Workmen	Total	
	Male	Female	Male	Female						
1950	223	58	3,324	15	4,120	10,511,292	692,892	7,663,829	3,356,721	
1951	226	57	3,759	18	4,060	11,138,500	893,358	9,010,896	9,904,254	
1952	231	67	3,371	16	4,185	12,155,010	1,011,295	10,643,741	11,655,036	
1953	274	67	4,020	16	4,377	11,852,130	1,096,013	11,514,721	12,610,734	
1954	282	62	4,078	15	4,437	12,243,930	1,129,429	11,804,330	12,933,759	

TABLE 10. Workmen¹ in the Sand and Gravel Industry, by Months, 1953 and 1954

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
January	1,529	8	1,537	1,331	8	1,339
February	1,583	7	1,590	1,355	8	1,363
March	1,738	12	1,750	1,523	10	1,533
April	2,500	16	2,516	2,474	13	2,487
May	7,001	18	7,019	3,125	18	3,143
June	7,314	18	7,332	8,518	18	8,536
July	3,231	18	3,249	7,937	18	7,955
August	5,123	18	5,146	4,681	18	4,699
September	4,326	13	4,344	4,592	18	4,610
October	2,975	13	2,993	3,159	17	3,176
November	2,602	16	2,618	2,897	14	2,911
December	2,066	11	2,077	2,098	10	2,108
Average	4,020	16	4,036	4,078	15	4,093
Man-hours worked	11,025,136			11,414,934		

1. This report does not include employment data relating to the production of sand and gravel by railroads owing to the difficulty of separating statistics pertaining to part-time work conducted by railroad maintenance employees and work done by contractors. In 1954 the combined amount paid by railroads to contractors and wages paid railroad employees for the production of sand and gravel totalled \$784,092.

List of Principal Sand and Gravel Operators, 1954

In addition to the names listed below, production has been reported by the railway companies, for ballast, and also a considerable amount by counties and townships in Ontario, for road use.

(w) Markets washed or screened material

Name of firm	Head office address	Location
Newfoundland:		
Concrete Products (Nfld.) Limited (w)	Box 2161, St. John's	Seal Cove
Newfoundland Department of Highways	St. John's	Various
Nova Scotia:		
Atlantic Construction Company (w)	163 Upper Water St., Halifax	Richmond Co.
Crockett, V.B.	Wallace	Belmont
Nova Scotia Department of Highways	Halifax	Various
Rayner Construction Ltd. (w)	29 Commercial Road, Leaside, Ontario ..	Debert

List of Principal Sand and Gravel Operators, 1954 - Continued

Name of firm	Head office address	Location
New Brunswick:		
Likely, Jos. A., Ltd. (w)	Box 518, Saint John	East Saint John
Maxwell, Elmer	St. Stephen	Charlotte County
New Brunswick Department of Highways	Fredericton	Various
Quebec:		
Allen, W.	St. Henri	Levis Co.
Asbestos Corporation Limited	Thetford Mines	Thetford Mines
Baillargeon, Philippe (w)	22, rue Montcalm, Iberville	Ste-Philomène and Mont-St-Grégoire
Belleterre Quebec Mines Limited	25 King St. W., Toronto, Ontario	Guillet Twp.
Bonner Sand and Ballast Limited	1434 Ste. Catherine St. W., Montreal	South Durham
Boucher, J.L. (w)	St-Georges	Vallée Junction
Brique du Nord Limitée, La (w)	Rouyn	Rouyn
Canadian Johns-Manville Co. Ltd.	1062 Sun Life Bldg., Montreal	Shipton
Carrière Grand'Mère	Grand'Mère	Grand'Mère
Casaubon, N.	St-Édouard	St-Édouard
Chabot, Bernard	St-Jean-Baptiste	St-Jean-Baptiste
Chartier, Donat	30 Galt St., Sherbrooke	Compton Co.
Cie de Sable & de Gravier Montmorency Ltée	245 Royale, Montmorency	Montmorency
Cie de Sable & Gravier de St-André	St-André Est	St-André Est
Cie de Sable & Gravier St-Paul Ltée	263, rue Principale, Granby	St-Paul d'Abbotsford
Coaticook, City of (w)	Coaticook	Coaticook
Compagnie de Sable Limitée, La (w)	20 - 31ème ave., Québec	Beauport Est
Consolidated Oka Sand & Gravel Co. Limited	248 McCord St., Montreal	Lake of Two Mountains
Des Marais, Mine. (w)	St-Félix de Valois	St-Félix de Valois
Dion, A.	Roberval	Roberval
East Malartic Mines Limited	355 St. James St. W., Montreal	Fournier Twp.
Fortin & Frère	Hemmingsford	Valleyfield, St-Stanislas, and Ormstown
Gagnon, Arthur	1740 - 11me rue, Grand'Mère	Grand'Mère
Gauthier, Ovila, Limitée	550 Price St. W., Chicoutimi	Taillon Twp.
Goyer, Édouard, & Frère	St-Bruno	St-Bruno and St-Léonard
Hains, A., Limitée	837, ave Royale, Beauport	Ste-Thérèse-de-Lisieux
Hydro Quebec	107, rue Craig, Montréal	Rouyn, Noranda
Laberge, E.	Ste-Foy	Ste-Foy
LaSalle Asphalté Ltée	Ave du Parc, Pont de Québec	Pont de Québec
Magog, City of	Magog	Magog
Malartic Gold Fields Limited	355 St. James St. W., Montreal	Abitibi
Marchand & Frère	505 - 1081ème rue, Shawinigan Falls	Mont-Carmel
Marine Industries Limited	1405, rue Peel, Montreal	Champlain Co.
Mascouche Sand & Construction Limited	11501 est, rue Notre-Dame, Montréal	Mascouche
Mercure, Camille	555, rue St-Denis, St-Hyacinthe	St-Dominique
Modern Paving (Quebec) Limited	Bon Conseil	Ste-Clothilde de Norton
Mondoux, N.	St-Nazaire, Bagot	Bagot Granton
Mount Royal Paving & Supplies Limited (w)	6301 Park Ave., Montreal 15	Charette and St-Gabriel
Normal Mining Corporation Limited	350 Bay St. W., Toronto 1, Ontario	Abitibi
Ouellet, Lucien	Ste-Foy	Ste-Foy
Pic Construction Co, Ltée	Arvida	Bagotville
Picotte, M.	Bonsecours	Shefford Co.
Pine Beach Sand Limited	2345, rue St-Zotique, Montréal	St-Eustache
Pomerleau, L.	Bishopton	Bishopton
Quemont Mining Corporation Limited	44 King St. W., Toronto 1, Ontario	Rouyn
Racine, E.	Ville de Lery, Québec	Richelieu Co.
Raymond, P.	St-Jérôme	Terrebonne Co.
Rigaud Sand & Gravel Reg'd.	Rigaud	Rigaud
Rimouski, Ville de	Rimouski	Rimouski
Robert & Dufour Enrg.	929, ave Royale, Beauport	Ste-Thérèse
Rochon, A.R.	St-Jérôme	St-Jérôme
Rouaud a Sable & Gravier Ltée	Rouyn	Rouyn
St-Léonard, N., Inc.	New Liverpool	Chaudière-Bassin
Sables des Milles Iles Ltée, Les	19, rue Dupont, Montréal	St-Henri de Mascouche
Sherbrooke, Cité de	Sherbrooke	Sherbrooke
Standard Lime Company Ltd. (w)	Joliette	Ste-Émélie
Theberge, J.R., Ltée	Chicoutimi	Chute-des-Granges
Two Mountains Sand Co. Ltd.	1539 Crescent St., Montreal	Pointe-Calumet
Venne, O.	Lachenaie	Lachenaie
Voisine, S. (w)	Notre-Dame d'Iberville	Laie St-Jean
Ontario:		
Adams Sand & Gravel (w)	Chatham	Harwich Twp.
Algoma Steel Corporation Limited (w)	Sault Ste. Marie	East Korah Twp.

List of Principal Sand and Gravel Operators, 1954 — Continued

Name of firm	Head office address	Location
Ontario — continued:		
Allison, H.	Morewood	Winchester Twp.
Armstrong Bros. Const. (w)	Brantford	E. Chinguacousy Twp.
Arthur, N.	Delhi	Delhi
Axford, K.R.	St. Thomas	St. Thomas
Baker's Sand & Gravel	Gormley	Lake Wilcox
Bannerman, H.H.	Kincardine	Kinloss Twp.
Barclay Transport (w)	Clairemont	Kinsale
Barnes, Wm. R., Co. Ltd. (w)	243 Cumberland Ave., Hamilton	Hamilton
Beauchamp, N., Construction Co.	Penetang	Penetang
Bell, W.J. & Son Construction Co. Ltd.	Stittsville	Stittsville
Bellyou, H.E.	Trenton	Trenton
Birtch, J.A.	Richmond	Nepean Twp.
Blair, E.L.	Moose Creek	Moose Creek
Blair, M.	Arnprior	Fitzroy Twp.
Blake, John, Sand & Gravel Ltd.	West Hill	West Hill
Bluewater Crushed Stone (w)	Owen Sound	Amabel Twp.
Blyth, R.A. (w)	7 St. Andrews Gardens, Toronto	Various
Boyd Bros.	Osgoode	Carleton Co.
Braas Bros.	R.R.3, Niagara Falls	Stamford Twp.
Bradshaw Sand & Gravel Co.	43 East Drive, Toronto	Vaughan Twp.
Branton, T.J., & Co. Limited (w)	London	Middlesex Co.
Brett's Warehouse	Box 489, Kenora	Jaffray Twp.
Brewer, R.J. (w)	Goderich	Goderich
Brack, K.	Thorndale	Thorndale
Brophy, F.	Bell's Corners	Nepean Twp.
Buckham, J.H.	Kinburn	Fitzroy Twp.
Burford Sands (w)	R.R.2, Burford	Burford
Burrows, J.W.	647 Lavery St., North Bay	Widdifield Twp.
Cadwell Marine Ltd. (w)	Niagara Falls	Niagara River
Calaguirro Bros. (w)	Niagara Falls	Stanford Twp.
Caland Ore Co. Ltd.	Atikokan	Rainy River
Campbell, Max	Ilderton	Lobo Twp.
Cann, Wm.	R.R. 1, Hensall	Usborne Twp.
Cardinal Construction Ltd. (w)	Box 243, Cardinal	Various
Carpenter, G.R. (w)	Winona	Winona
Caswell Construction Limited	Kirkland Lake	Matheson
Cecchetto & Sons Limited	Sudbury	Levack
Charlebois, A. (w)	Penetang	Penetang
Chatham Sand & Gravel Co. (w)	Chatham	Thames River
Chown Limited	Kingston	Kingston
City Gravel Company (w)	775 Algoma Ave., North Bay	Widdifield Twp.
Clark, R.S., & Son (w)	Ingersoll	Ingersoll
Clarkson Sand & Gravel (w)	Clarkson	Clarkson
Closs, R.S.	Perth	Lanark Twp.
Coleman Munro Limited (w)	628 Pitt St., Cornwall	Moulinette
Consolidated Sand & Gravel Limited (w)	402 Harbour Commission Bldg., Toronto	Paris, West Paris and Waterford
Cooke, J., Ltd. (w)	Aldershot	Aldershot
Cooper, Alf., & Company (w)	212 May St. N., Fort William	Paiipoonge Twp.
Cornwall Gravel Co.	Cornwall	Cornwall Twp.
Cox Construction Co. (w)	Hillsburgh	Hillsburgh
Crosby, Wm.	Princeton	Blenheim Twp.
Croxall, E.	Brooklin	Brooklin
Cudinores' Gravel	Hensall	Usborne Twp.
Curran & Briggs Limited (w)	61 Haverson Blvd., Toronto	Pickering Twp.
Davis, C.	Minesing	Vespra Twp.
Davy, Sidney	Severn Bridge	Karma Twp.
Defosse, A. (w)	Trenton	Brighton
Dennis, C.	Atwood	Atwood
Devilliers, P.	724 Front St., North Bay	Widdifield Twp.
Dickson Sand & Gravel, (w)	Frankford	Frankford
Dixie Sand & Gravel Ltd. (w)	21 Dundas St., Toronto	Cooksville
Dobbs, R.	Damascus	Wellington Co.
Doey, A.	Cedar Springs	Harwich Twp.
Dobie, Mrs. D. (w)	Port Colborne	Humberstone Twp.
Dome Mines Limited	South Porcupine	Shaw Twp.
Donegan, H. (w)	Listowel	Listowel
Doughty, T.F. (w)	Peterborough	Smith Twp.
Douglas, S.M.	Smiths Falls	Leeds Co.
Dowier, Bert	Billings Bridge	Billings Bridge
Drury Construction Co. Ltd. (w)	Arthur	Arthur
Duff, J.C., Limited (w)	Bolton	York Co.
Dunn, Mrs. R.	Woodstock	E. Zorra Twp.

List of Principal Sand and Gravel Operators, 1954 - Continued

Name of firm	Head office address	Location
Ontario - continued:		
Eastern Gravel & Crushed Stone Ltd. (w)	2319 Bloor St. W., Toronto	Dixie
Ellis, W.J., & Son	Komoka	Komoka
Ennis, J. & B., Sand & Gravel	Orillia	Orillia
Falconbridge Nickel Mines Limited	44 King St. W., Toronto	Falconbridge Twp.
Farrish Bros.	Listowel	Listowel
Ferguson, D.	R.R. 2, Brockville	Augusta Twp.
Fielding, C.A., Ltd.	Sudbury	Garson Twp.
Flamboro Sand and Gravel (w)	Dundas	Flamboro Twp.
Forbes Construction	Lion's Head	Castnor Twp.
Forwell Sand & Gravel Ltd. (w)	31 Whitney Place, Kitchener	Breslau and Waterloo
Foster, R.R., & Sons Ltd. (w)	86 Spadina Ave., Ottawa	Bowesville
Foxboro Sand & Gravel (w)	Woodbridge	Foxboro
Foy, G.C.	Wardsville	Mosa Twp.
Frazer Duntile Co. Ltd.	130 Sparks St., Ottawa	Bell's Corners
Galbraith, Mrs. M. (w)	R.R. 2, Rodney	Rodney
Galt Sand & Gravel Co. Ltd.	Galt	Galt
Gaunt, L.J. (w)	Sebringville	Ellice Twp.
Gauthier, J.T.	Porcupine	Murphy Twp. and McGarry Twp.
General Aggregates Ltd. (w)	Oshawa	Oshawa
Glendale Sand & Stone Ltd.	R.R. 1, London	Dorchester Twp.
Goldthorpe, B.	155 Bruce St., Goderich	Goderich
Goodreau, John	Dresden	Dresden
Greenwood Construction (w)	Grand Valley	Parry Sound
Griffin Bros. (w)	Gananoque	Leeds Co.
Grino, Frank	Niagara Falls	Stanford Twp.
Guelph Sand & Gravel Limited (w)	Guelph	Wellington Co.
Hacquoil's Construction (w)	228 W. Gore St., Fort William	Stanley
Halliburton, John, Estate	101 Strange St., Guelph	Guelph
Hampson Sand & Gravel	38 Prescott Ave., Toronto	Maple
Hargreaves, W. (w)	R.R. 5, Peterborough	Monaghan N. Twp.
Harwich Twp. (w)	Blenheim	Beaver Creek
Hawkins, L.L.	Stevensville	Ridgeway
Hayward Construction Co. (w)	Hillsburg	Guelph Twp.
Hayward & Picket	Milton	Nelson Twp.
Heinbruff, V.M.	Matheson	Matheson
Highland Creek Sand & Gravel Limited (w)	Highland Creek	Scarborough
Hince Concrete Products Ltd.	Picton	Hallowell Twp.
Hi-Way Construction Co. Ltd.	Simcoe	Woodhouse Twp.
Hoffer, E.S., & Sons	Elmira	Woolwich Twp.
Holden Sand & Gravel Ltd. (w)	42 Industrial St., Toronto	Niagara River
Hollinger Consolidated Gold Mines Ltd.	Timmins	Tisdale Twp.
Holman Construction (w)	Rockwood	Rockwood
Howard Concrete & Materials Ltd. (w)	Aldershot	East Flamboro Twp.
Hydro Electric Power Commission of Ontario	620 University Ave., Toronto	Various
Industrial Sand & Gravel Co. (w)	67 Gilmour Ave., Toronto	Glen Williams
James, G., & Son	Arnprior	Fitzroy Twp.
Jenkins, J. (w)	Morpeth	Morpeth
Jennison, R.H. (w)	Grand Bend	Middlesex Co.
Jerome, A.P. (w)	Bothwell	Zone Twp.
Jones, J.D.	Wilton Grove	Wilton Grove
Juniper's Haulage & Excavating (w)	Meaford	St. Vincent Twp.
Kerr, C.	Bobcaygeon	Verulam Twp.
Kerr, J.E. (w)	Wingham	Wingham
Kettle, Mrs. W.	R.R. 3, Petrolia	Enniskillen Twp.
King, E.C., Contracting Ltd. (w)	356-9th St. W., Owen Sound	Grey Co.
Kingston Sand & Gravel Ltd.	235 Wellington St., Kingston	Glenburnie
Lake Erie Gravel Co. (w)	R.R. 3, Merlin	Tilbury E. Twp.
Lake Shore Mines Ltd.	Kirkland Lake	Kirkland Lake
Lake, Jack, Construction Ltd.	1033 Pine St., London	London
Langdon Manufacturing Co. (w)	235 William St., Stratford	Stratford
Lavant Construction Co. Ltd.	Lavant	Lanark Co.
Lavis Contracting Co.	Clinton	Hibbert Twp.
Leask, R. (w)	Greenbank	Greenbank
Lee Sand & Gravel Ltd. (w)	60 McRoberts Ave., Toronto	Whitchurch Co.
Leslie, Stanley (w)	Port Colborne	Port Colborne
Lightbody, R. (w)	49 Main St., Smiths Falls	Elmsley S. Twp.
Liley, Wm.	London	London
Lyons, C.A.	R.R. 1, Paris	S. Dumfries Twp.
Markham Sand & Gravel Ltd. (w)	Markham	Markham
Marmac Construction Co. Ltd.	Tillsonburg	Norfolk Co.
Marshall Sand & Gravel (w)	36 Aileen Ave., Toronto	Toronto
Marshall, K.F. (w)	London	Middlesex Co.
Marshall, J.F., & Sons Ltd. (w)	1067 Talbot St., London	Middlesex Co.
Martin & Dayman	Drumbo	Blenheim Twp.

List of Principal Sand and Gravel Operators, 1954 — Continued

Name of firm	Head office address	Location
Ontario — continued:		
Martin, Harold, Construction Ltd. (w)	New Lowell	New Lowell
Martini, J. (w)	226 Dover St., South Preston	Dunfries Twp.
Mascioli Construction Co. Ltd. (w)	Timmins	Tisdale Twp.
Maskerline, Wm. J.	Sioux Lookout	Sioux Lookout
Mathieu, J.A.	Fort Frances	Atikokan Twp.
Maurer & Klages	Hanover	Brant Twp.
Maxted, F.A.	159 Rockliffe Blvd., Toronto	York Twp.
McAdams, H.	Zurich	May Twp.
McColl, W.A.	Carleton Place	Lanark Co.
McDougall, A.	R.R. 3, Palmerston	Palmerston
McKay, Don	Bridgenorth	Smith Twp.
McLaws, M.G., & Son	R.R. 4, St. Thomas	St. Thomas
McLean, A.B., & Son Ltd. (w)	Sault Ste. Marie	St. Marys River
McLellan, J.L.	R.R. 2, Thanesford	E. Nissouri Twp.
McTae, C. (w)	R.R. 1, Byron	Byron
Menard Construction	Green Valley	Kenyon Twp.
Miller Paving Limited (w)	56 Blake St., Toronto	Shawco Co.
Mills, C. (w)	Bowmanville	Bowmanville
Mills, M.	Petrolia	Enniskillen Twp.
Moore & Quinn	Snooth Rock Falls	Haggart Twp.
Moore, C.G.	Ailsa Craig	Ailsa Craig
Morley, D.	R.R. 3, Ailsa Craig	McGillivray Twp.
Moyer Sand & Gravel Ltd. (w)	35 Queen St., St. Catharines	Pelham Twp.
Murray, J.E.	Moorefield	Moorefield
Muskoka Construction Ltd. (w)	Huntsville	Muskoka
Musselinan, A.	Floradale	Floradale
Nash, J.R., & Son (w)	R.R. 2, Northwood	Harwich Twp.
National Sand & Material Co. Ltd. (w)	402 Harbour Bldg., Toronto	Lake Ontario, Lake Erie, St. Clair River and Lake Huron
Nevill, G.	R.R. 5, Aylmer	Malahide Twp.
Nichols, E. (w)	Delhi	Delhi
Northern Sand & Gravel Co.	177 Eyre St., Sudbury	Neelon Twp.
Norton Sand & Gravel	Clairemont	Uxbridge Twp.
Ontario Sand & Gravel Co. Ltd. (w)	1205 Bathurst St., Toronto	Maple
Otto, R. (w)	Tavistock	Tavistock
Parton, A.	Parry Sound	Parry Sound
Peel Sand & Gravel Ltd.	Dixie	Dixie
Peninsula Sand Co.	Stamford Centre	Stamford Twp.
Pioneer Construction Co. Ltd. (w)	Box 241, Sudbury	Nipissing
Pleasure Valley Const. Co. Ltd. (w)	Oshawa	East Whitby Twp.
Preston Sand and Gravel (w)	954 Coxwell Ave., Toronto	Preston
Price, S.A.	Kemptville	Kemptville
Pyne, H. (w)	Ridgetown	Lake Erie
Radford, G. (w)	Blyth	Blyth
Regan's Sand & Gravel (w)	Highland Creek	Scarborough Twp.
Reig, W.	Varna	Varna
Roberts, F.H. (w)	Unionville	Whitchurch Twp.
Robertson, A.S.	Listowel	Halton Twp.
Ross Supply & Contracting Co. Ltd.	55 Ann St., Brockville	Lyn and Maitland
Sage, A.F., & Son	R.R. 5, London	London Twp.
Sampson, H.	Atikokan	Atikokan
Sandy Contracting Co. Ltd. (w)	Goderich	Grey Twp.
Saugeen Spraying Co. Ltd. (w)	Durham	Glenelg Twp.
Seegmiller, E. & E., Limited	525 Wendell Ave., Kitchener	Waterloo Twp.
Seeley Bros. & Arnill	Dundalk	Dundalk
Sharpe Bros.	Odessa	Odessa
Shelton, R.	Ingersoll	Ingersoll
Shepherdson, W.W.	New Liskeard	New Liskeard
Sherk Construction	Sherkston	Pleasant Beach
Simpson Sand Company Limited (w)	Smiths Falls	Escott Twp.
Smith Construction Co.	Arnprior	Arnprior
Smythe, C., Limited (w)	899 Jane St., Toronto 9	Toronto
Speiran, G.A.	Brussels	Grey Twp.
Spinks Gravel Ltd. (w)	Leamington	Gosfield S. Twp.
Spooner, A.	Glenburnie	Kingston Twp.
Spratt, G.H. (w)	Billings Bridge	Billings Bridge
Springbank Sand & Gravel Ltd. (w)	Port Credit	Toronto Twp.
Standard Paving Ltd.	402 Harbour Bldg., Toronto	Various
Stewart & Broad Construction Co. Ltd. (w)	Prescott	Prescott
Stonehouse, F.A., & Son	Sarnia	Lobo Twp.
Storms Contracting Co. Ltd. (w)	1 Copeland St., Toronto	Various
Stouffville Sand & Gravel Ltd. (w)	Stouffville	Uxbridge Twp.
Sulley, J.	Utopia	Vespra Twp.
Superior Sand, Gravel & Supplies Ltd. (w)	347 Bay St., Toronto	Vaughn Twp.

List of Principal Sand and Gravel Operators, 1934 - Continued

Name of firm	Head office address	Location
Ontario — concluded:		
Sutherland, I.	Embroy	W. Zorra Twp.
Sutherland, Wm. J.	Bond Head	Tecumseh Twp.
Tanner, A.	Stratford	St. Mary's
Tanney, E.C., & Son	Maitland	Augusta Twp.
Teed, E.A. (w)	Thornbury	Innisfield Twp.
Telephone City Supply Co. (w)	Brantford	Brantford
Thompson & Bailey Construction Co. (w)	Kemptville	Kemptville
Thurston, M. (w)	Sarnia	Sarnia Twp.
Timmins, Town of	Timmins	Porcupine
Todd, A. and G.	Churchill	Innisfil Twp.
Toronto Sand & Gravel Co. Ltd.	Box 155, Toronto 13	Pickering Twp.
Totten, L. (w)	Renfrew	Renfrew
Trent Valley Sand & Stone Ltd. (w)	Thornhill	Brighton
Tunks, Win.	Koakka	Lobo Twp.
United Towing & Salvage Co. Ltd. (w)	635 Common St., Montreal, Quebec	Lake Superior
Uren Construction Limited (w)	Orillia	Orillia
VanAlstine Construction, J.D.	Trenton	Murray Twp.
Varcoe Bros. (w)	Barrie	Gladhurst
Watt, M.	Huntsville	Huntsville
Webster Sand & Gravel Ltd. (w)	211 Scarlett Rd., Toronto	York Twp.
West, S.J.	R.R. 3, Sarnia	Sarnia Twp.
Western Sand & Gravel Ltd.	1 Parkhurst Blvd., Toronto 17	Stouffville
Willis & Farrish	Listowel	Listowel
Windsor Dock Co. Ltd.	Box 333, Windsor	Windsor
Winters, H.E.	Mille Roches	Cornwall Twp.
Wiseman, G., Ltd.	Woodstock	Oxford Co.
Wolfe Construction Limited	Timmins	Deloro Twp.
Woollatt Fuel & Supply Co. Ltd. (w)	2171 Ottawa St., Windsor	Leamington
Yundt & McCann	Stratford	Stratford
Yundt, B.	Stratford	Stratford
Zinston, H.	Peterborough	Smith Twp.
Manitoba:		
Asip Brick, Tile & Lumber Company Ltd.	508 Portage Ave., Winnipeg	Beausejour
Becher, W.S.C., Limited	526 River Ave., Winnipeg	Springfield
Bradley, B.	Arden	Arden
Brandon, City of	Brandon	Brandon
Building Products & Coal Co. Ltd.	111 Christie St., Winnipeg	Birds Hill
Cumming & Dobbie	233 Ninth St., Brandon	Brandon
Erven & Fraser	850 Somerset Bldg., Winnipeg	Birds Hill
Greater Winnipeg Water District	455 Ellice Ave., Winnipeg	Winnipeg
Howe Sound Exploration Co. Ltd.	Snow Lake	Herb Lake
Manitoba Department of Highways	Winnipeg	Various
McCurdy Supply Company Limited	Sargent & Erin Sts., Winnipeg	Winnipeg
Nelson River Construction Ltd.	101 Dawson Rd., St. Boniface	St. Boniface
Rosser Gravel & Sand	Rosser	Rosser
Tallman Gravel & Sand Supply Ltd.	678 Dufferin Ave., Winnipeg	Winnipeg
Winnipeg, City of	223 James Ave., Winnipeg	Birds Hill
Saskatchewan:		
Anderson, J.D.	Unity	Unity
Baron, V.	Burstall	Burstall
Becker, Clifford E.	Nipawin	Nipawin
Bernier, W.	Flin Flon	Flin Flon
Bonn, W.	135 - 14th St. W., Prince Albert	Nisbet Forest
Brandhagen, Allen	233 Lorne St. W., Swift Current	Swift Current
Breckenridge Block & Tile Ltd. (w)	Box 54, Pangman	Pangman
Cleve Construction Ltd.	Lloydminster	Lloydminster
Collins, A.E.	Cut Knife	Cut Knife
Ferguson, Y.B.	Vesper	Vesper
Flin Flon, Town of (w)	Flin Flon	Flin Flon
General Gravel Surfacing Co. (w)	Saskatoon	Prince Albert
Gunnar Mines Ltd.	25 Adelaide St. W., Toronto, Ontario	Lake Athabaska
Horosko Bros.	Rosetown	Rosetown
Howard's Transfer & Excavation Co.	Swift Current	Swift Current
Hudson Bay Mining and Smelting Co. Ltd. (w)	500 Royal Bank Bldg., Winnipeg, Manitoba	Flin Flon
Latrace, H.	Box 1162, Saskatoon	Saskatoon
Masters Limited	1507 Winnipeg St., Regina	Regina
Melville Sand & Gravel	Melville	Melville
Moose Jaw Rural Municipality	Moose Jaw	Moose Jaw
Nagel, H.	Leader	Leader

List of Principal Sand and Gravel Operators, 1954 — Continued

Name of firm	Head office address	Location
Saskatchewan — concluded:		
Nipawin Dray	Nipawin	Nipawin
Parkdale Rural Municipality	Glaslyn	Glaslyn
Pilot Butte Sand & Gravel Co. Ltd.	Pilot Butte	Pilot Butte
Porcupine Rural Municipality	Carragana	Carragana
Prince Albert City	Prince Albert	Prince Albert
Radke, W.	Carrot River	Carrot River
Sandbeck, H.	Congress	Congress
Saskatchewan Department of Highways	Regina	Various
Schnell, Frank	Torquay	Torquay
Schwartz, A.	Rhein	Rhein
Sliding Hills Rural Municipality	Mikado	Mikado
Stroceni, S.	Canora	Canora
Woods, John	Pathlow	Pathlow
Wright, F.E.	Eastend	Eastend
Alberta:		
Alberta Department of Highways	Edmonton	Various
Apex Building Supplies Ltd.	11239 — 83rd St., Edmonton	Edmonton
Baxter, A.G. (w)	908 — 4th Ave. W., Calgary	Calgary
Burns, J.F. (w)	213 Leeson-Lineham Bldg., Calgary	Calgary
Clarke & Sons (w)	Cochrane	Cochrane
Devon Sand & Gravel Ltd. (w)	10480 — 113th St., Edmonton	Edmonton
Jefferies & Sons Limited (w)	Calgary	Calgary
Mountain View District	Didsbury	Didsbury
O.K. Construction & Supply Co. Ltd. (w)	9531 — 111th Ave., Edmonton	Edmonton
British Columbia:		
Abbotsford Gravel Sales Ltd. (w)	508 Hornby St., Vancouver	Abbotsford
Abear, G., Sand & Gravel	Kamloops	Kamloops
Armour Salvage (1949) Ltd. (w)	Prince Rupert	Cassiar
Alias Construction Ltd.	Kamloops	Kamloops
Border Sand & Gravel (w)	White Rock	White Rock
Bregoliess Construction (w)	Kamloops	Kamloops
Britannia Mining & Smelting Co. Ltd.	Britannia Beach	Britannia Beach
British Columbia Department of Highways	Victoria	Various
Burquitlam Sand & Gravel Ltd.	New Westminster	New Westminster
Butler Bros. (w)	Royal Oak	Royal Oak
Cassidy Sand & Gravel Ltd. (w)	Cassidy	Cassidy
Colebrook Sand & Gravel Co. Ltd. (w)	Cloverdale	Cloverdale
Columbia Bitulithic Ltd. (w)	Granville Island	Granville Island
Consolidated Mining & Smelting Company of Canada Limited (w)	Trail	Chapman and Kimberley
Courtenay Sand & Gravel Co. Ltd. (w)	520 Duncan Ave., Courtenay	Courtenay
Cranbrook, City of (w)	Cranbrook	Cranbrook
Deeks Sand & Gravel Co. Ltd. (w)	1051 Main St., Vancouver	Port Coquitlam
Delta, Corporation of	Ladner	New Westminster
Dolan's Limited (w)	Alberni	Alberni
Dueck Building Supplies Ltd. (w)	North Clearbrook	North Clearbrook
Evans, Coleman & Johnson Bros. Ltd. (w)	900 Wharf St., Victoria	Royal Bay
Fernie, City of	Fernie	Fernie
Gilley Bros. Limited (w)	902 Columbia St., New Westminster	New Westminster
Goldie, I.	52 Royal Ave., North Kamloops	Kamloops
Highland Sand & Gravel Company Ltd. (w)	Lynnmoor	Lynnmoor
Hillside Sand & Gravel (w)	1075 Main St., Vancouver	Hillside
Kamloops, City of (w)	288 — First Ave., Kamloops	Kamloops
Kimberley, City of	Kimberley	Kimberley
Langley, Township of (w)	Murrayville	Langley
Lindhart, H.	Chilliwack	Chilliwack
McCauley Ready Mix Concrete Co. Ltd. (w)	Trail	West Kootenay
McIntosh, A.	Haney	Albion
McIntyre & Harding Gravel Co. Ltd. (w)	Royal Oak, Saanich	Saanich
Mortar Less Tile (w)	Nanaimo	Nanaimo
Nelson, City of (w)	Nelson	Kootenay
Norish Bros. Builders Supplies	Chilliwack	Minto Landing
Penticton, City of	Penticton	Penticton
Pitkethly Brothers Limited (w)	8699 Angus Drive, Vancouver	Vancouver
Port Alberni, City of (w)	Port Alberni	Port Alberni
Revelstoke, City of	Revelstoke	Revelstoke
Richardson, A.V., Ltd. (w)	Duncan	Duncan
Routledge Gravel Ltd. (w)	North Vancouver	North Vancouver
Scotland & Adamson	3522 Porter St., Vancouver	Coquitlam
Scott Bros. Gravel Co. Ltd. (w)	Port Coquitlam	Port Coquitlam

List of Principal Sand and Gravel Operators, 1954 - Concluded

Name of firm	Head office address	Location
British Columbia - concluded:		
Surrey, Corporation of	Cloverdale	Cloverdale
Taylor, E.R., Construction Co. Ltd.	8699 Hudson St., Vancouver	New Westminster
Trail, City of	Trail	Trail
Tremblay, L.	Dawson Creek	Dawson Creek
Vancouver & Districts	1303 Sun Bldg., Vancouver	Coquitlam
West Kootenay Power & Light Co. Ltd.	Trail	Trail



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010692284