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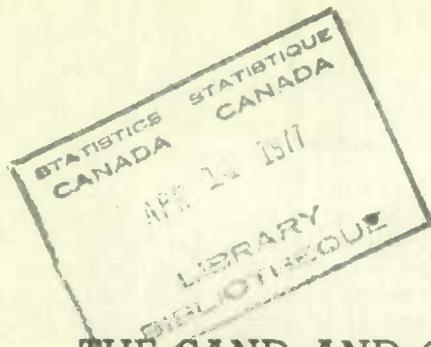
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DOMINION BUREAU OF STATISTICS - DEPARTMENT OF TRADE AND COMMERCE
CANADA



**THE SAND AND GRAVEL
INDUSTRY
1949**

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Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section,
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NOTICE

It has been the practice of the Bureau of Statistics, since 1920, to issue an annual printed report on the Mineral Production of Canada. This report was comprised to a large extent of the data which had already been issued in bulletin form as statistics for each industry were completed. The final report was necessarily late in being issued, and its main use was for library purposes and for historical research. It also had the advantage of having complete statistics of the Canadian Mining Industry for a year in one volume.

Such a procedure necessitated the preparation of new manuscript, duplication of proof-reading, and extra costs in type-setting and printing. In order to avoid this extra cost, a system has been devised whereby libraries and other similar organizations may file the separate reports in a ring binder as issued, and if they so desire, may have them bound in a volume when the series for the year is complete.

The reports have been paged in such a manner that when bound they will correspond to the chapters of the annual printed report hitherto issued, but which will now be discontinued.

The following reports will constitute the complete volume on Mineral Statistics of Canada:

- A General Review of the Mining Industry
- B The Gold Mining Industry
- C The Silver-Lead-Zinc Mining Industry
- D The Nickel-Copper Mining, Smelting and Refining Industry
- E The Miscellaneous Metal Mining Industry
- F The Non-ferrous Smelting and Refining Industry
- G The Coal Mining Industry
- H The Natural Gas and Crude Petroleum Industry
- I The Asbestos Mining Industry
- J The Feldspar and Quartz Mining Industry
- K The Gypsum Industry
- L The Peat Industry
- M The Salt Industry
- N The Talc and Soapstone Industry
- O The Miscellaneous Industrial or Non-metallic Minerals Mining Industry
- P The Cement Manufacturing Industry
- Q The Clay and Clay Products Industry
- R The Lime Industry
- S The Sand and Gravel Industry
- T The Stone Industry
- U Contract Diamond Drilling in the Mining Industry
- V Appendix - Explanatory notes on the method of computing the quantities and values of the Mineral Production of Canada

(20 Feb. 51)

THE SAND AND GRAVEL INDUSTRY

1949

The commercial production of sand and gravel in Canada during 1949 amounted to 63,356,308 short tons valued at \$31,181,541 compared with 68,670,863 short tons valued at \$30,629,596 in 1948, a decrease of 7.8 per cent in tonnage and an increase of 1.8 per cent in value. The totals included sand and gravel used by railroads as ballast, gravel used by mines as back fill, and recoveries of sand by dredges as well as similar materials from other sources.

Sand and gravel production of Newfoundland was included in Canada's total for 1949. Ontario's production of 22,320,753 tons was 8.4 per cent greater than in the preceding year. There was less road construction in Quebec during 1949, thus the

amount of sand and gravel used decreased 31.8 per cent. Sand and gravel plants in Canada screened or washed 9,849,339 tons in 1949 compared with 8,997,765 tons in 1948, and the bank or pit-run grades amounted to 53,506,969 tons compared with 59,673,098 tons in 1948.

The industry employed 3,863 persons to whom \$7,147,334 was distributed in salaries and wages. Fuel cost \$970,726 and 17,019,347 k.w.h. of electricity cost \$212,745. Process supplies cost \$316,693.

Imports of sand and gravel amounted to 171,165 tons valued at \$155,349 in 1949, and exports were 337,134 tons worth \$314,581.

TABLE 1. Principal Statistics¹ for The Sand and Gravel Industry, 1948 and 1949

Province	Opera- tors	Employ- ees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of products sold during year (f.o.b. works)
	No.	No.	\$	\$	\$	\$
1948						
Nova Scotia.....	5	567	749,832	20,686	3,831	1,699,775
New Brunswick.....	3	256	460,695	310	—	1,140,349
Quebec.....	980	1,954	2,582,415	130,798	70,695	9,256,197
Ontario.....	638	711	1,469,853	554,054	48,079	10,101,779
Manitoba.....	11	231	524,237	23,939	50,401	740,790
Saskatchewan.....	52	117	135,074	1,898	19,868	849,702
Alberta.....	5	53	125,914	27,458	6,433	2,139,692
British Columbia.....	24	308	704,083	91,897	50,677	3,685,509
Total.....	1,718	4,197	6,752,103	851,040	249,984	29,613,793
1949						
Newfoundland.....	2	410	769,581	10,780	31,427	943,765
Nova Scotia.....	3	483	496,904	11,489	4,500	1,724,161
New Brunswick.....	3	238	412,117	893	—	1,060,950
Quebec.....	949	1,145	1,998,630	156,887	69,298	7,008,928
Ontario.....	659	780	1,765,717	670,972	75,890	10,847,828
Manitoba.....	13	262	580,574	27,910	53,021	677,523
Saskatchewan.....	92	131	155,576	30,572	27,963	1,735,775
Alberta.....	9	95	232,960	51,635	14,736	1,403,852
British Columbia.....	32	319	735,275	222,333	39,858	4,590,013
Total.....	1,762	3,863	7,147,334	1,183,471	316,693	29,992,795

1. Does not include data on sand and gravel produced by railroads. In 1948 the railroads production by 22 operators was 4,623,161 tons valued at \$1,015,803. Salaries and wages paid to workers at these pits was \$305,090 for the year. In 1949 the railroads production by 27 operators was 5,404,925 tons valued at \$1,188,746 and salaries and wages totalled \$343,747.

TABLE 2. Production¹ of Sand and Gravel, 1940-1949

Year	Tons	\$
1940.....	31,375,415	11,759,245
1941.....	31,604,806	10,375,723
1942.....	26,349,907	9,005,414
1943.....	25,744,469	9,005,857
1944.....	28,399,986	10,280,119
1945.....	29,750,703	10,568,363
1946.....	39,949,994	15,529,700
1947.....	56,789,569	23,114,431
1948.....	68,670,863	30,629,596
1949.....	63,356,308	31,181,541

1. Does not include production of natural silica sand or of silica sand manufactured from quartz or silica rock; production of these are recorded under quartz.

TABLE 3. Production of Sand and Gravel, 1948 and 1949

—	Washed or screened	Bank or pit run	Total value
	tons	tons	\$
Production¹:			
1948			
Sand:			
Moulding sand.....	41,177	10,675	91,394
Building sand and sand for concrete, road-work, etc....	3,119,556	4,666,860	3,487,568
Core sand.....	—	1,543	2,873
Other sand (including blast sands, engine sands, etc.).	5,455	53,592	15,525
Sand and Gravel:			
Sand and gravel for railway ballast.....	418,882	4,104,782	1,259,385
Sand and gravel for concrete, road-building, etc.....	3,994,238	42,519,040	20,555,655
Mine filling.....	85,356	1,395,202	364,922
Crushed gravel.....	1,333,101	6,921,404	4,852,274
Total.....	8,997,765	59,673,098	30,629,596
1949			
Production¹:			
Sand:			
Moulding sand.....	59,742	9,639	97,151
Building sand and sand for concrete, road-work, etc....	3,174,051	3,757,823	3,556,130
Core sand.....	—	1,312	2,517
Other sand (including blast sands, engine sands, etc.).	3,363	115,203	29,121
Sand and Gravel:			
Sand and gravel for railway ballast.....	285,332	5,037,396	1,358,523
Sand and gravel for concrete, road-building, etc.....	3,953,133	38,133,565	19,758,109
Mine filling.....	106,655	2,050,691	530,185
Crushed gravel.....	2,267,063	4,401,340	5,849,803
Total.....	9,849,339	53,506,969	31,181,541

1. Does not include production of natural silica sand or of silica sand manufactured from quartz or silica rock; production of these are recorded under quartz in the bulletin "The Feldspar and Quartz Mining Industry".

TABLE 4. Production of Sand and Gravel, by Provinces, 1947-1949

Province	1947	1948	1949
Newfoundland..... Tons	not available	not available	1,416,202
Prince Edward Island..... \$	not available	No commercial production	999,598
Nova Scotia..... Tons	2,966,680	1,636,808	1,933,652
..... \$	1,363,363	1,706,838	1,738,114
New Brunswick..... Tons	3,464,347	3,347,817	3,142,633
..... \$	1,278,376	1,231,256	1,106,479
Quebec..... Tons	16,537,303	28,102,377	19,179,692
..... \$	4,877,339	9,535,944	7,326,456
Ontario..... Tons	20,230,499	20,588,496	22,320,753
..... \$	9,034,131	10,468,216	11,214,136
Manitoba..... Tons	1,765,976	2,498,277	2,260,196
..... \$	549,640	754,196	696,783
Saskatchewan..... Tons	2,131,705	1,846,336	1,930,959
..... \$	1,137,609	917,243	1,795,766
Alberta..... Tons	2,058,142	3,592,275	2,448,814
..... \$	1,170,883	2,219,497	1,553,589
British Columbia..... Tons	7,634,917	7,058,477	8,723,407
..... \$	3,703,090	3,796,406	4,750,620
Canada..... Tons	56,789,569	68,670,863	63,356,308
..... \$	23,114,431	30,629,596	31,181,541

TABLE 5. Production of Washed or Screened and Pit Run Grades, by Provinces, 1949

Province	Washed or screened	Bank or pit run	Total
		(tons)	
Newfoundland.....	132,672	1,283,530	1,416,202
Nova Scotia.....	255,785	1,677,867	1,933,652
New Brunswick.....	—	3,142,633	3,142,633
Quebec.....	2,008,706	17,170,986	19,179,692
Ontario.....	5,246,976	17,073,777	22,320,753
Manitoba.....	70,404	2,189,792	2,260,196
Saskatchewan.....	132,042	1,798,917	1,930,959
Alberta.....	157,609	2,291,205	2,448,814
British Columbia.....	1,845,145	6,878,262	8,723,407
Total.....	9,849,339	53,506,969	63,356,308

TABLE 6. Production of Sand for Building and for Concrete, Roads, etc., and Sand and Gravel for Railway Ballast and for Concrete, Roads, etc., 1949

	Sand		Sand and Gravel			
	For building, concrete, roads, etc. ¹		For railway ballast		For concrete, roads, etc.	
	Tons	\$	Tons	\$	Tons	\$
Newfoundland.....	32,628	56,918	281,236	87,733	1,100,521	854,619
Nova Scotia.....	46,811	32,768	183,413	98,724	1,702,578	1,602,372
New Brunswick.....	1,404	208	303,695	44,992	2,835,550	1,060,985
Quebec.....	3,922,141	1,472,281	1,186,033	300,036	9,629,285	2,445,185
Ontario.....	2,234,159	1,644,428	2,285,085	501,426	15,135,874	7,494,776
Manitoba.....	95,311	55,869	140,885	27,351	1,943,931	545,718
Saskatchewan.....	36,189	16,262	333,435	53,544	751,223	436,956
Alberta.....	298,825	136,721	359,370	145,456	1,729,274	1,241,169
British Columbia.....	264,406	140,675	249,576	99,261	7,258,462	4,076,329
Canada, 1949.....	6,931,874	3,556,130	5,322,728	1,358,523	42,086,698	19,758,109

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

TABLE 7. Production of Moulding and Core Sand and Crushed Gravel, by Provinces, 1949

Province	Moulding sand and core sand		Crushed gravel	
	Tons	\$	Tons	\$
Newfoundland.....	—	—	—	—
Nova Scotia.....	850	4,250	—	—
New Brunswick.....	—	—	—	—
Quebec.....	—	—	4,021,468	2,999,180
Ontario.....	69,528	95,071	1,429,397	1,165,281
Manitoba.....	315	347	73,818	64,728
Saskatchewan.....	—	—	746,600	1,275,695
Alberta.....	—	—	40,203	26,948
British Columbia.....	—	—	356,917	317,973
Canada, 1949.....	70,693	99,668	6,668,403	5,849,805
Canada, 1948.....	53,395	94,267	8,254,505	4,852,274

TABLE 8. Employees and Their Earnings in the Sand and Gravel Industry, 1945-1949

Year	Average number of employees					Earnings		
	Administrative and office		Workmen		Total	Administrative and office	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1945.....	83	13	1,976	2	1,978	176,403	2,273,554	2,449,957
1946.....	107	16	2,658	12	2,793	218,786	3,195,090	3,413,876
1947.....	122	25	3,273	10	3,430	291,568	4,416,393	4,707,961
1948.....	125	29	4,033	10	4,197	351,484	6,400,619	6,752,103
1949.....	151	31	3,669	12	3,863	452,879	6,694,455	7,147,334

TABLE 9. Workmen¹ in the Sand and Gravel Industry, by Months, 1948 and 1949

Month	1948			1949		
	Male	Female	Total	Male	Female	Total
January.....	853	2	855	936	4	940
February.....	865	2	867	932	2	934
March.....	1,000	2	1,002	1,111	3	1,114
April.....	1,225	8	1,233	1,592	14	1,606
May.....	5,529	12	5,541	5,670	14	5,684
June.....	11,198	12	11,210	10,528	15	10,543
July.....	11,320	12	11,332	10,528	15	10,543
August.....	6,290	11	6,301	6,070	15	6,085
September.....	5,809	10	5,819	3,012	15	3,027
October.....	1,691	9	1,700	1,908	15	1,923
November.....	1,483	9	1,492	1,686	14	1,700
December.....	1,075	4	1,079	1,261	6	1,267
Average.....	4,033	10	4,043	3,669	12	3,681

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 1949, the combined amount paid by railroads to contractors and wages paid railroad employees for the production of sand and gravel totalled \$343,747.

PRINCIPAL SAND AND GRAVEL OPERATORS, 1949

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		
Crockett, V.B.	Wallace.....	Belmont
Nova Scotia Department of Highways.....	Halifax.....	Various
Rayner Construction Ltd (w).....	29 Commercial Road, Leaside, Ontario.....	Debert
New Brunswick		
Likely, Jos. A. Ltd	Box 655, Saint John.....	East Saint John
Maxwell, Elmer.....	St. Stephen.....	Charlotte County
New Brunswick Department of Highways.....	Fredericton.....	Various
Quebec		
Baillargeon, Philippe	24, rue Montcalm, Iberville.....	Ste-Philomène et Mont St-Grégoire
Belleterre Quebec Mines Limited.....	25 King St. W., Toronto, Ont.	Guillet Tp.
Bonner Sand and Ballast Limited (w)	1434 St. Catherine St. W., Montreal.....	South Durham
Breen, Mary Ann.....	Guigues.....	Guigues
Brouillet Sand & Gravel Co. Ltd.	Rawdon.....	Ste. Julienne
Canadian Johns Manville Co. Ltd.	1062 Sun Life Bldg. Montreal.....	Shipton
Chabot, Bernard (w).....	St-Jean-Baptiste.....	St-Jean-Baptiste
Coaticook, City of (w).....	Coaticook.....	Coaticook
Compagnie de Sable Limitée, La (w).....	20, 3ième Ave., Québec.....	Beauport Est
Consolidated Oka Sand & Gravel Co. Limited (w)	248 McCord St., Montreal.....	Lake of Two Mountains
Construction St. Paul Inc.	St. Paul d'Abbotsford.....	St. Paul d'Abbotsford
East Malartic Mines Limited.....	355 St. James St. W., Montreal.....	Fournier Tp.
Fontaine, L.	L'Avenir.....	L'Avenir
Gagnon, Arthur.....	1740, 4ième rue, Grand'Mère.....	Grand'Mère
Goyer, Edouard & Frère.....	St. Bruno.....	St. Bruno and St. Hilaire
Hains, A. Limitée.....	837, Ave Royale, Beauport.....	Ste-Thérèse-de-Listieux
Hydro Electric Power Commission of Ontario (w)	620 University Ave., Toronto, Ontario.....	Pontiac
Laberge, E.	Ste-Foy.....	Ste-Foy
Magog, City of.....	Magog.....	Magog
Malartic Gold Fields Limited.....	355 St. James St. W., Montreal.....	Abitibi
Marchand & Frère.....	505, 108ième rue, Shawinigan Falls.....	Mont-Carmel
Mascouche Sand & Construction Limited.....	11501 est, rue Notre-Dame, Montréal.....	Mascouche
Mercure, Camille.....	555, rue St-Denis, St-Hyacinthe.....	St-Dominique
Mount Royal Paving & Supplies Limited (w)	6301 Park Ave., Montreal 15.....	Charette
Normetal Mining Corporation Limited.....	350 Bay St. W., Toronto, Ont.	Abitibi
Northern Quebec Power Company Limited (w)	355 St. James St. W., Montreal.....	Témiskaming
O'Brien Gold Mines Limited.....	Kewagama.....	Cadillac Tp.
Ouellet, Lucien.....	Ste-Foy.....	Ste-Foy
Poirier, Maurice.....	St-Félix-de-Valois.....	St-Félix-de-Valois
Rimouski, City of.....	Rimouski.....	Notre-Dame du Sacré-Coeur
Robert & Dufour Enrg.	929, Ave Royale, Beauport.....	Ste-Thérèse
St. Andrew East Sand & Gravel.....	St-André.....	St-André
St. Francis River Dredging Co. (w).....	St-François du Lac.....	St-François River
St. Hilaire, N.	New Liverpool.....	Chaudière-Bassin
Sables des Mille Iles Ltée, La.....	19, rue Dupont, Montréal.....	St-Henri de Mascouche
Shawinigan Engineering Co. Ltd.	600 Dorchester St. W., Montreal.....	Trenche
Sherbrooke, City of.....	Sherbrooke.....	Orford Tp.
Standard Lime Company Limited (w).....	Joliette.....	Ste-Emelie
Tremblay, J.-Albert.....	221, rue St-Famille, Kénogami.....	Simard Tp.
Two Mountains Sand Co. Ltd. (w)	517, Canada Cement Bldg., Montreal.....	Pointe-Calumet
Venne, Oscar.....	Lachenaie.....	Lachenaie
Ontario		
Allison, H.....	Morewood.....	Winchester Tp.
Baker, D.	Gormley.....	Wilcox Lake
Barnes, Wm. R. Co. Ltd. (w).....	243 Cumberland Ave., Hamilton.....	Hamilton
Barrick, A. (w).....	Lowbanks.....	Moulton Tp.

Principal Sand and Gravel Operators, 1949 - Con.

Name of Firm	Head Office Address	Location
Ontario - Con.		
Barrick, C. (w)	Lowbanks.....	Lake Erie
Bellyou, N.....	R. R. 4, Trenton.....	Trenton
Blake, John.....	453 Leslie St., Toronto.....	Scarboro Tp.
Blyth, R. A. (w).....	#7 St. Andrews Gardens, Toronto.....	Various
Boyd Bros.	Osgoode.....	Carleton Co.
Braas Bros.	Niagara Falls.....	Stamford Tp.
Brantford, City of.....	Brantford.....	Brantford
Burnside, Charles.....	1009 Wellington St., Ottawa.....	Bells Corners
Burrows, J.W.	647 Lavery St., North Bay.....	Widdifield Tp.
Cadwell Marine Ltd (w)	602 Erie Ave., Niagara Falls.....	Niagara River
Cann, Wm.	R.R. 1, Hensall.....	Usborne Tp.
Caswell Construction Limited (w).....	Kirkland Lake.....	Larder Lake
Chatham Sand & Gravel Co. (w)	199 Stanley Ave., Chatham.....	Thames River
City Gravel Co.	775 Algonquin Ave., North Bay.....	Widdifield Tp.
Coleman, Munro Limited.....	628 Pitt St., Cornwall.....	Moulinette
Consolidated Sand & Gravel Limited (w)	402 Harbour Commission Bldg., Toronto.....	Fuller, Paris and Waterford
Cooke, J. Limited (w).....	Aldershot.....	East Flamboro Tp.
Cooper, Alf. & Company (w)	212 North Bay St., Fort William.....	Paipooonge Tp.
Cudmore, H.	R.R. 1, Hensall.....	Usborne Tp.
Curran & Briggs Limited (w).....	61 Haverson Blvd., Toronto.....	Pickering Tp.
Davis, Otto.....	Minesing	Vespra Tp.
Dibblee Construction Company Limited	248 Albert St., Ottawa.....	Carleton Co.
Dixie Sand & Gravel Ltd.	21 Dundas Square, Toronto.....	Dixie
Dome Mines Ltd.	South Porcupine.....	Shaw Tp.
Dunn, Rose	R.R. 7, Woodstock.....	East Zorra Tp.
Durham Crushed Stone Ltd. (w)	Durham	Durham
Eadie, Wm.	101 North Park St., Brantford.....	Brantford Tp.
Eastern Sand & Gravel Ltd. (w).....	2319 Bloor St. W., Toronto.....	Dixie
Ellins Brothers (w)	304 Scarlett Road, Toronto.....	Etobicoke Tp.
Elliott, Jack (w)	Kapuskasing	Kapuskasing
Etling, G. (w)	Wainfleet.....	Wainfleet
Fewster, Stanley.....	R.R. 4, St. Marys.....	East Missouri Tp.
Forwell Sand & Gravel Limited.....	31 Whitney Place, Kitchener.....	Breslau and Waterloo
Foster, R. R. (w).....	86 Spadina Ave., Ottawa.....	Nepean Tp.
Foy, Geo. (w)	R.R. 2, wardsville	Mosa Tp.
Gagnon Sand and Gravel Ltd.	R.R. 2, Cornwall.....	Cornwall Tp.
Galbraith, Mrs. M. (w)	R.R. 2, Rodney	Rodney
Gauthier, J.T. (w)	Porcupine.....	Whitney Tp.
Goodreau, Chas. E. Estate (w).....	R.R. 3, Northwood	Harwich Tp.
Greenwood Construction (w)	Box 128, Grand Valley	Gravenhurst
Guelph Sand and Gravel Limited (w)	Guelph.....	Guelph
Hacquoils' (w).....	228 West Gore St., Fort William.....	Thunder Bay
Hall, Thomas.....	Huntsville.....	Blenheim Tp.
Halliburton, John Estate	101 Strange St., Guelph.....	Guelph
Hampson Sand & Gravel (w).....	38 Prescott Ave., Toronto.....	Toronto
Havey, Mrs. J.	Box 811, Armprior.....	Fitzroy Tp.
Highland Creek Sand & Gravel Limited (w) ..	Highland Creek.....	Scarboro Tp.
Hince Concrete Products Limited.....	22 Spring St., Picton.....	Picton
Hollinger Consolidated Gold Mines Ltd.	Timmins.....	Tisdale Tp.
Houser, Roy E. (w).....	Lowbanks.....	Lake Erie
Howard Sand & Gravel Company Ltd. (w).....	Aldershot.....	Flamboro Tp.
Hume Bros. (w).....	Ridgeway.....	Lake Erie
Industrial Sand & Gravel Company (w)	67 Gilmour Ave., Toronto 9.....	Brampton and Glen Williams
Inglis, M. (w).....	Highgate	Palmyra
Jenkins, Jack (w).....	Morpeth.....	Morpeth
Jerome, A.P. (w).....	Bothwell.....	Bothwell
Jones, John D.....	Wilton Grove.....	Westminster Tp.
Kennedy, Wm.	Maxville.....	Maxville
Kettle, Catherine (w)	R.R. 3, Petrolia.....	Enniskillen Tp.
King, R. (w).....	R.R. 2, Lowbanks.....	Lowbanks
King Paving Company Limited.....	Box 36, Oakville.....	Nelson Tp.
Kingston Sand & Gravel Limited	235 Wellington St., Kingston.....	Kingston
Kinsey, L.E. (w).....	R.R. 2, Lowbanks.....	Sherbrooke Tp.
Lake Erie Gravel Co. (w).....	R.R. 3, Merlin.....	Tilbury E. Tp.
Langdon Manufacturing Co. (w)	235 William St., Stratford.....	Stratford
Lockyer & Hughes Limited.....	Highland Creek.....	Scarborough Tp.
Lyons, C.A. (w)	R.R. 1, Paris.....	Dumfries Tp.
Maine, Jack (w)	R.R. 5, Chatham.....	Chatham
McAdams, H.	Box 10, Zurich.....	Hay Tp.
McArthur Construction Reg'd (w)	Eox 175, Russell.....	Bearbrook
McCready, D.	Thamesford.....	E. Nissouri Tp.
McGregor, N & Son.....	85 Nelson St., Brantford.....	Brantford
McLean, A.B. & Sons Limited (w).....	Sault Ste. Marie.....	St. Mary's River

THE SAND AND GRAVEL INDUSTRY

Principal Sand and Gravel Operators, 1949 - Con.

Name of Firm	Head Office Address	Location
Ontario - Con.		
McNamara Construction Co. Ltd. (w).....	42 Industrial St., Leaside.....	Kirkland Lake and Lake Simcoe
Meller Paving Ltd.	56 Blake St., Toronto.....	Pickering Tp.
Mills, Harold (w).....	Enniskillen.....	Darlington Tp.
Moody, W.D. (w).....	R.R. 2, Lowbanks.....	Moulton Tp.
Moore, C.G.....	R.R. 1, Ailsa Craig.....	Ailsa Craig
National Sand & Material Co. Ltd. (w)	402 Harbour Bldg., Toronto.....	Lake Ontario
Nevill, George.....	R.R. 5, Aylmer West.....	Malahide Tp.
Northern Sand & Gravel Co.	177 Eyre St., Sudbury	Neelon Tp.
Ontario Sand & Gravel Co. Ltd. (w).....	1211 Bathurst St., Toronto.....	Maple
Park Bros.	Lucan	Lucan
Peninsula Sand Company (w)	Stamford Centre	Stamford Tp.
Pioneer Construction Company Ltd. (w)	Box 241, Sudbury	Nipissing
Quigley Construction Company.....	Bartonville	Waterdown
Radford, G. (w).....	Blyth.....	Blyth
Sarjeant Co. Ltd.	2 Mary St., Barrie	Minesing
Schade, Leonard (w)	Logan	Logan
Shelton, R.	Ingersoll.....	Ingersoll
Sherk Construction	Sherkston	Sherkston
Sherman Sand & Gravel (w).....	R.R. 2, Port Credit.....	Port Credit
Sherman, Thos. D. (w).....	Thamesville	Thamesville
Smythe, C. Limited (w).....	Box 8, Postal Station D, Toronto 9.....	Mount Dennis
Speiran, G. A.	R.R. 2, Brussels.....	Grey Tp.
Spinks & Fox	Leamington	Leamington
Spratt, G. H. (w)	Billings Bridge	Gloucester Tp.
Stapledon, W. H. & Son.....	Britannia Heights	Nepean Tp.
Stouffville Sand & Gravel Ltd. (w)	Stouffville.....	Uxbridge Tp.
Superior Sand, Gravel and Supplies Ltd. (w).	347 Bay St., Toronto	Maple
Sutherland, Hugh.....	R.R. 4, Embro	Zorra W. Tp.
Thamesville Sand & Gravel (w)	Thamesville	Thamesville
United Towing & Salvage Co. Limited (w)....	635 Common St., Montreal, Quebec	Lake Superior
Webster Sand & Gravel Ltd. (w).....	211 Scarlett Road, Toronto	York Tp.
Woollatt Fuel & Supply Co. Ltd.....	2171 Ottawa St., Windsor.....	Leamington
Wright & Co.	553 Queen St. E., Sault Ste. Marie.....	Sault Ste. Marie
Manitoba		
Alsip Brick, Tile & Lumber Company Ltd. ...	508 Portage Ave., Winnipeg	Beausejour
Bradley, R.	Arden	Arden
Brandon, City of	Brandon	Brandon
Building Products & Coal Co. Ltd.	111 Christie St., Winnipeg	Birds Hill
Cumming & Dobble.....	233 Ninth St., Brandon.....	Brandon
Greater Winnipeg Water District.....	185 King St., Winnipeg.....	Winnipeg
Howe Sound Exploration Co. Ltd.	Snow Lake	Herb Lake
Jackson, Thos. & Sons Ltd.	370 Colony St., Winnipeg	Ste. Anne
Manitoba Department of Highways	Winnipeg	Various
McCurdy Supply Company Limited.....	Sargent & Erin Sts., Winnipeg.....	Winnipeg
Provincial Gravel & Coal Co. Ltd. (w).....	356 Main St., Winnipeg	Winnipeg
Winnipeg, City of	223 James Ave., Winnipeg	Birds Hill
Woods, D.D. & Sons Ltd.	Ross & Arlington Sts, Winnipeg	Winnipeg
Saskatchewan		
Becker, Clifford E.	Nipawin	Nipawin
Bernier, W.	Flin Flon	Flin Flon
Bonn, Walter	240 - 15th St. W., Prince Albert	Prince Albert
Brandhagen, Allen	233 Lorne St. W., Swift Current.....	Swift Current
Breckenridge Block & Tile Ltd. (w)	Box 54, Pangman	Pangman
Collins, A. E.	R.R. 3, Cut Knife	Cut Knife
Eamon, H. G. & Co.	Biggar.....	Biggar
Flin Flon, Town of (w).....	Box 538, Flin Flon	Flin Flon
Guedo, Andrew	Box 198, Prince Albert	Prince Albert
Hannah, R.	Waitville	Waitville
Hazelwood Rural Municipality	Kipling	Kipling
Heise, A. W. Company Limited.....	807 - 2nd Ave. N., Saskatoon	Hudson Bay
Hudson Bay Mining and Smelting Co. Limited (w)	500 Royal Bank Bldg., Winnipeg, Man.	Flin Flon
Kowley, J.W.....	Porcupine Plain	Porcupine Plain
Klemmer & Whaley	Nipawin.....	Nipawin
Latrace, H.	Box 1162, Saskatoon	Saskatoon
Masters Transport	2179 McTavish St., Regina	Regina
McKay, Chas.	Garrick	Garrick
Meleschak, Peter	Fosston.....	Fosston



Principal Sand and Gravel Operators, 1949 - Con.

Name of Firm	Head Office Address	Location
Saskatchewan - Con.		
Northern Gravel & Equipment Co. (w).....	225 Avenue "I" N., Saskatoon	Saskatoon
Orkney Rural Municipality	Yorkton	Yorkton
Parkinson, James.....	Estevan.....	Estevan
Pilot Butte Sand & Gravel Co. Ltd.	Pilot Butte	Pilot Butte
Prince Albert, City of	Prince Albert.....	Prince Albert
Reliance Services Ltd.....	Flin Flon.....	Flin Flon
Ritchie & Sons	Kamsack	Kamsack
Sandbeck, H.....	Congress.....	Congress
Saskatchewan Department of Highways	Regina	Various
Schnell, Frank.....	Torquay	Torquay
Struthers, Hugh.....	Box 428, Prince Albert	Prince Albert
Tracey, K.R.....	380 Ninth Ave., Moose Jaw	Belle Plaine
Western Sand & Gravel Company Ltd. (w) ...	506 Westman Chambers, Regina	Regina
Wright, O.H.....	Leuran	Leuran
Yeoman, Paul Transport	Lone Rock	Lone Rock
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
Doncaster Construction Co. Ltd. (w)	Edmonton.....	Edmonton
Jefferies & Sons Limited (w)	Calgary	Calgary
Mountain View, Municipal District	Didsbury	Didsbury
O.K. Construction & Supply Co. Ltd. (w)....	9531 - 111th Ave., Edmonton.....	Edmonton
Smith Construction Ltd (w).....	10358 - 77th Ave., Edmonton.....	Edmonton
Tollestrup, G.F.	1815 - 3rd Ave. S., Lethbridge.....	Lethbridge
British Columbia		
Bach, F.A. & A.	Armstrong	Armstrong
Britannia Mining & Smelting Co. Ltd.	Britannia Beach	Britannia Beach
B.C. Electric Railway Co. Ltd.....	425 Carrall St., Vancouver.....	Various
British Columbia Department of Highways ..	Victoria.....	Various
Chilliwack, City of.....	Chilliwack	Chilliwack
Colebrook Sand and Gravel Co.	Cloverdale	Cloverdale
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
Fernie, City of	Fernie.....	Fernie
Gilley Bros. Limited (w).....	902 Columbia St., New Westminster	New Westminster
Greater Vancouver Sand & Gravel Co. Ltd. (w)	445 West Second Ave., Vancouver	New Westminster
Highland Sand & Gravel Company Ltd. (w)...	Lynn timer.....	Lynn timer
Hillside Sand & Gravel (w).....	1075 Main St., Vancouver	Hillside
Kamloops, City of (w)	288 - First Ave., Kamloops.....	Kamloops
Kimberley, City of.....	Kimberley	Kimberley
McHattie, J.T.	Royal Oak, Saanich.....	Saanich
McIntyre & Harding Gravel Co. Ltd. (w) ...	Royal Oak, Saanich.....	Saanich
Nanaimo, City of.....	Nanaimo	Nanaimo
Nelson, City of (w).....	501 Front St., Nelson	Nelson
Pitkethly Brothers Limited (w).....	8699 Angus Drive, Vancouver	Vancouver
Port Alberni, City of (w).....	Port Alberni	Port Alberni
Producers Sand & Gravel Co. (1929) Limited	900 wharf St., Victoria.....	Royal Bay
Revelstoke, City of	Revelstoke	Revelstoke
Road Materials Ltd.....	8699 Hudson St., Vancouver	Lynn timer
Saanich, Corporation of	Royal Oak, Saanich.....	Saanich
Taylor, E.R. Construction Co. Ltd.....	8699 Hudson St., Vancouver	New Westminster
Trail, City of	Trail	Trail
West Kootenay Power & Light Co. Ltd.	Trail	Trail