

Mineral Aggregates

Oliver Vagt

*The author is with the Minerals and Metals Sector,
Natural Resources Canada.
Telephone: (613) 992-2667*

This 1996 review on mineral aggregates has been abbreviated to mainly include statistical tables.

Total Canadian shipments of mineral aggregates (principally crushed stone and sand and gravel) decreased about 6% to 304 Mt in 1996, when preliminary statistics for the year are compared with final figures for 1995. In contrast, during the pre-recessionary period from 1987 to 1990, total annual shipments were in excess of 350 Mt.

Relatively weak non-residential construction activity and the completion of most of the fixed-link crossing to Prince Edward Island accounted for most of the decline in the demand for mineral aggregates. Unit values generally continued to increase in pace with the rate of inflation, with selling prices varying considerably depending on proximity to consumers.

A \$6 billion cost-shared program for infrastructure renewal, supported by all three levels of government, has contributed to total construction activity. The related program expenditures have been extended an additional two years to 1998/99.

Notes: (1) For definitions and valuation of mineral production, shipments and trade, please refer to Chapter 70. (2) Information in this review was current as of February 1, 1997.

TABLE 1. CANADA, TOTAL PRODUCTION OF STONE, 1994-96

	1994		1995		1996p	
	(000 t)	(\$000)	(000 t)	(\$000)	(000 t)	(\$000)
BY PROVINCE¹						
Newfoundland	1 416	11 924	1 097	9 812	1 094	11 361
Nova Scotia	5 454	29 271	7 233	39 255	6 086	36 154
New Brunswick	3 057	19 195	3 892	22 153	3 596	20 034
Quebec	34 069	208 128	32 803	197 725	28 510	172 092
Ontario	39 445	236 483	41 683	252 409	35 517	241 707
Manitoba	2 861	12 032	3 551	15 020	2 952	11 939
Alberta	382	3 996	466	4 494	371	4 898
British Columbia	4 904	35 530	7 204	45 942	7 281	50 019
Northwest Territories and Yukon	913	3 332	649	4 447	651	4 438
Total	92 502	559 890	98 578	591 255	86 057	552 644
BY USE²						
Dimensional stone						
Rough	169	21 256	238	26 042	..	..
Monumental and ornamental stone (n.f.)	45	4 900	43	5 147	..	..
Other (flagstone, curbstone, paving blocks, etc.)	69	3 699	40	2 810	..	..
Lining open-hearth furnaces	-	-	-	-	..	..
Chemical and metallurgical						
Cement plants, Canada	13 321	42 044	14 953	49 880	..	..
Cement plants, foreign	1 654	7 274	1 648	7 386	..	..
Flux in iron and steel furnaces	190	1 359	307	2 380	..	..
Flux in nonferrous smelters	154	956	181	1 501	..	..
Glass factories	158	3 158	146	2 860	..	..
Lime plants, Canada	2 367	20 565	3 473	25 222	..	..
Lime plants, foreign	1 124	4 541	347	2 216	..	..
Pulp and paper mills	234	1 900	130	1 449	..	..
Sugar refineries	16	75	20	284	..	..
Other chemical uses	1 400	8 290	1 028	6 318	..	..
Pulverized stone						
Whiting	41	3 122	37	2 920	..	..
Asphalt filler	124	464	190	630	..	..
Dusting coal mines	6	320	5	291	..	..
Agricultural purposes and fertilizer plants	1 053	15 012	1 109	16 272	..	..
Other uses	1 125	21 888	739	23 362	..	..
Miscellaneous stone						
Manufacture of artificial stone	21	184	29	224	..	..
Roofing granules	450	11 169	473	13 616	..	..
Poultry grit	57	1 163	55	1 210	..	..
Stucco dash	24	1 475	18	2 015	..	..
Terrazzo chips	3	279	4	404	..	..
Rock wool	13	125	1	25	..	..
Rubble and riprap	957	5 805	1 259	6 417	..	..
Other uses	1 247	8 934	1 519	9 748	..	..
Crushed stone for						
Concrete aggregate	9 592	55 842	9 345	50 782	..	..
Asphalt aggregate	8 025	47 200	11 589	67 055	..	..
Road metal	33 874	170 880	39 731	196 619	..	..
Railroad ballast (includes traprock)	2 390	20 209	1 478	12 515	..	..
Other uses	29 101	141 668	27 459	130 944	..	..
Total	109 004	625 756	117 595	668 546	..	..

Sources: Natural Resources Canada; Statistics Canada.

.. Not available; n.f. Not finished or dressed; P Preliminary.

¹ Data exclude stone used in the Canadian cement and lime industries. ² Data include stone used in the Canadian cement and lime industries.

Note: Numbers may not add to totals due to rounding.

TABLE 2. CANADA, PRODUCTION OF SAND AND GRAVEL¹ BY PROVINCE, 1994-96

	1994		1995		1996p	
	(000 t)	(\$000)	(000 t)	(\$000)	(000 t)	(\$000)
Newfoundland	2 728	16 200	2 181	12 027	1 981	10 665
Prince Edward Island	272	1 190	341	1 621	306	1 333
Nova Scotia	3 832	19 271	3 436	13 511	3 331	12 712
New Brunswick	4 445	x	5 374	x	4 551	x
Quebec	33 595	104 075	29 109	82 736	22 824	71 296
Ontario	101 926	363 198	90 747	322 254	90 797	323 380
Manitoba	13 587	x	11 179	x	11 205	x
Saskatchewan	7 430	x	8 313	x	8 427	x
Alberta	35 403	137 996	31 207	112 767	31 697	113 853
British Columbia	38 101	146 932	39 024	158 192	37 778	158 950
Yukon	2 420	7 010	1 120	3 900	1 080	3 760
Northwest Territories	1 541	7 737	3 960	16 040	3 921	16 051
Total	245 278	870 107	225 992	793 489	217 898	778 340

Source: Natural Resources Canada.

p Preliminary; x Confidential.

¹ Production represents shipments of natural gravel, sand and crushed gravel, and quartz-silica, excluding silica used in Canadian cement plants.

Note: Numbers may not add to totals due to rounding.

TABLE 3. AVAILABLE DATA ON CONSUMPTION OF SAND AND GRAVEL,¹ BY PROVINCE, 1994 AND 1995

		Atlantic Provinces	Quebec	Ontario	Western Provinces ²	Canada
		(000 tonnes)				
Road bed, surface	1994	6 104	20 525	56 760	55 595	138 984
	1995	6 232	17 698	48 177	50 438	122 545
Roads, ice control	1994	496	972	3 976	1 359	6 802
	1995	416	930	3 276	1 272	5 894
Concrete aggregate	1994	1 499 ^r	3 796	10 553 ^r	12 961	28 809 ^r
	1995	1 529	2 998	9 696	14 151	28 373
Asphalt aggregate	1994	1 278	3 431	6 992	8 892	20 593
	1995	1 152	3 255	7 275	6 683	18 366
Railroad ballast	1994	9	14	211	572	806
	1995	9	49	11	939	1 007
Mortar sand	1994	65	264	810	302	1 441
	1995	51	259	779	249	1 338
Backfill for mines	1994	—	262	406	27	696
	1995	. . .	22	1 014	509	1 545
Fill	1994	739 ^r	2 181	9 214	7 800	19 934 ^r
	1995	1 198	2 318	8 202	7 542	19 260
Other purposes	1994 ^r	1 017	1 633	12 474	10 955	26 079
	1995	777	1 580	12 645	13 575	28 577
Total	1994 ^r	11 207	33 078	101 395	98 463	244 143
	1995	11 364	29 109	91 076	95 356	226 906

Source: Natural Resources Canada.

— Nil; . . . Amount too small to be expressed; ^r Revised.

¹ Data include natural silica sand, silica sand manufactured from quartz or silica rock, and silica used in Canadian cement plants. ² The western provinces include the Yukon and Northwest Territories.

Note: Numbers may not add to totals due to rounding.

TABLE 4. CANADA, EXPORTS AND IMPORTS OF SAND AND GRAVEL AND CRUSHED STONE, 1994-96

Item No.	1994		1995		1996P		
	(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)	
EXPORTS							
2505.90	Natural sands n.e.s., excluding metal-bearing sands						
	United States	95 466	875	61 863	662	123 235	1 771
	Bahamas	—	—	—	—	51 407	1 271
	Bermuda	—	—	25 129	214	18 748	201
	Cuba	42	7	20	6	903	182
	Other countries	1 000	84	12 907	113	1 779	39
	Total	96 508	966	99 919	995	196 072	3 464
2517.10	Pebbles, gravel, broken or crushed stone used for aggregates, etc.						
	United States	1 989 060	17 573	2 476 998r	19 425r	2 625 312	19 227
	Belgium	79	7	—	—	72 743	445
	Bermuda	4 705	53	28 262	242	17 912	298
	Turkey	—	—	—	—	9 245	66
	Chile	—	—	—	—	20 411	43
	Other countries	6	18	110 464	1 513	—	—
	Total	1 993 850	17 651	2 615 724r	21 180r	2 745 623	20 079
2517.41	Marble granules, chippings and powder of 25.14 or 25.16, heat-treated or not						
	United States	50 401	6 496	80 258	8 806	31 778	3 556
	Philippines	—	—	100	14	—	—
	United Kingdom	—	—	48	4	—	—
	Total	50 401	6 496	80 406	8 824	31 778	3 556
2517.49	Granules, chippings and powder, n.e.s., of 25.15 or 25.16, heat-treated or not						
	United States	3 011	179	180 336	622	113 179	697
	Other countries	3	1	61	33	—	—
	Total	3 014	180	180 397	655	113 179	697
2518.10	Dolomite, not calcined						
	United States	198 991	1 229	310 873	1 857	593 049	4 150
	Trinidad and Tobago	20 892	289	24 252	280	25 292	292
	Other countries	83	15	8 635	128	2	12
	Total	219 966	1 533	343 760	2 265	618 343	4 454
2518.20	Calcined dolomite						
	United States	38 590	5 137	62 132	9 201	33 827	6 346
	Venezuela	—	—	—	—	26 422	887
	Other countries	39	15	84 057	1 061	502	119
	Total	38 629	5 152	146 189	10 262	60 751	7 352
2518.30	Agglomerated dolomite (including tarred dolomite)						
	Trinidad and Tobago	70 681	1 031	26 041	301	—	—
	Other countries	40	8	334	49	—	—
	Total	70 721	1 039	26 375	350	—	—
2521.00	Limestone flux; limestone and other calcareous stone used for lime or cement						
	United States	2 270 836	16 766	2 286 651	15 631	2 408 555	14 577
	Bermuda	16	3	—	—	810	4
	Other countries	4 006	12	18 282	10	—	—
	Total	2 274 858	16 781	2 304 933	15 641	2 409 365	14 581
IMPORTS							
2505.90	Natural sands n.e.s., excluding metal-bearing sands						
	United States	317 468	3 881	286 623	4 749	227 850	4 727
	Australia	—	—	—	—	186	53
	United Kingdom	110	29	1 949	63	1 628	46
	France	—	—	66	20	128	36
	Germany	—	—	42	12	254	29
	Norway	1 066	65	3 272	116	161	18
	Other countries	465	108	152	16	278	24
	Total	319 109	4 083	292 104	4 976	230 485	4 933

TABLE 4 (cont'd)

Item No.	1994		1995		1996P		
	(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)	
IMPORTS (cont'd)							
2517.10	Pebbles, gravel, broken or crushed stone used for aggregates, etc.						
	United States	634 409	6 826	1 214 812 ^r	10 941 ^r	3 321 385	16 544
	United Kingdom	172	3	121	4	1 538	23
	Germany	2 342	21	246	4	535	9
	Spain	130	1	—	—	73	9
	France	800	12	1 175	19	1 623	8
	Other countries	947	7	914	26	708	22
	Total	638 800	6 870	1 217 268 ^r	10 994 ^r	3 325 862	16 615
2517.20	Macadam of slag, dross or similar industrial waste, etc.						
	United States	492	7	339	5	—	—
	Total	492	7	339	5	—	—
2517.30	Tarred macadam						
	United States	95	7	552	31	7	1
	Total	95	7	552	31	7	1
2517.41	Marble granules, chippings and powder of 25.15 or 25.16, heat-treated or not						
	United States	50 507	7 230	77 592	10 467	68 167	9 674
	France	284	56	150	30	174	34
	Other countries	347	60	105	16	129	21
	Total	51 138	7 346	77 847	10 513	68 470	9 729
2517.49	Granules, chippings and powder, n.e.s., of 25.15 or 25.16, heat-treated or not						
	United States	221 045	3 508	264 552	3 366	146 632	1 707
	Mexico	20	2	139	17	64 555	1 001
	France	568	71	742	92	4 025	233
	Other countries	59	7	631	58	92	11
	Total	221 692	3 588	266 064	3 533	215 304	2 952
2518.10	Dolomite, not calcined						
	United States	4 643	1 031	2 141	377	3 150	459
	United Kingdom	30	10	90	29	—	—
	Germany	—	—	2	1	—	—
	Total	4 673	1 041	2 233	407	3 150	459
2518.20	Calcined dolomite						
	United States	11 968	791	7 242	749	4 113	866
	Total	11 968	791	7 242	749	4 113	866
2518.30	Agglomerated dolomite (including tarred dolomite)						
	United States	299	159	47	25	22	12
	United Kingdom	—	—	1	...	—	—
	Total	299	159	48	25	22	12
2521.00	Limestone flux; limestone and other calcareous stone used for lime or cement						
	United States	3 962 535	18 146	4 499 620	20 917	2 523 290	13 334
	United Kingdom	—	—	—	—	35 234	108
	South Africa	—	—	494	3	3 145	18
	Other countries	38 118	492	14 689	84	173	1
	Total	4 000 653	18 638	4 514 803	21 004	2 561 842	13 461

Source: Statistics Canada.

— Nil; ... Amount too small to be expressed; n.e.s. Not elsewhere specified; P Preliminary; r Revised.

Note: Numbers may not add to totals due to rounding.

TABLE 5. LIGHTWEIGHT AGGREGATE PRODUCERS IN CANADA, 1995

Company	Location	Commodity	Remarks
ATLANTIC PROVINCES			
Fafard Peat Moss Company Ltd. Sun Gro Horticulture Canada Ltd.	Shippagan, N.B. Maisonnette, N.B.	Perlite, vermiculite Perlite	Processed for use in horticulture. Processed for use in horticulture.
QUEBEC			
Premier Peat Moss Ltd. Vermi-lite Inc.	Rivière du Loup Baie-du-Febvre	Perlite, vermiculite Perlite	Processed for use in horticulture. Processed for use in horticulture and loose insulation.
ONTARIO			
National Slag Limited	Hamilton	Slag	Used in concrete products industry and as slag cement.
V.I.L. Vermiculite Inc.	Woodbridge	Vermiculite, perlite	Vermiculite processed for use in loose insulation, horticulture and concrete products. Perlite processed for use in horticulture.
W.R. Grace & Co. of Canada Ltd.	Ajax	Vermiculite, perlite	Vermiculite processed for use in horticulture, as loose insulation, in refractories, and in friction materials. Perlite processed for use in gypsum plaster, horticulture, refractories and as loose insulation.
PRAIRIE PROVINCES			
Cindercrete Products Limited	Saskatoon, Sask.	Expanded clay	Processed for concrete products industry.
Inland Cement Limited	Calgary, Alta.	Expanded shale	Processed for concrete products industry and for loose insulation.
	Edmonton, Alta.	Expanded clay	Processed for concrete products industry, loose insulation and as bedding for oil and gas pipelines.
Kildonan Concrete Ltd.	Winnipeg, Man.	Expanded clay	Processed for concrete products industry and horticulture.
Sun Gro Horticulture Canada Ltd.	Elma, Man.	Perlite	Processed for use in horticulture.
Sun Gro Horticulture Canada Ltd.	Seba Beach, Alta.	Perlite, pumice	Processed for use in horticulture.
W.R. Grace & Co. of Canada Ltd.	Winnipeg, Man.	Vermiculite, perlite	Perlite processed for use in gypsum plaster and in horticulture.
	Edmonton, Alta.	Vermiculite, perlite	Vermiculite processed for use in horticulture and as loose insulation.
BRITISH COLUMBIA			
Ocean Construction Supplies Limited	Vancouver	Pumice	Purchased for concrete products industry.
W.R. Grace & Co. of Canada Ltd.	Vancouver	Vermiculite, perlite	Mainly for horticulture.

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada."

TABLE 6. CANADA, IMPORTS AND EXPORTS OF VERMICULITE, PERLITE AND PUMICE, 1994-96

Item No.		1994		1995		1996P	
		(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)
EXPORTS							
2513.11	Pumice stone, crude or in irregular pieces, including crushed pumice						
	United States	60	22	—	—	84	18
	Sweden	—	—	15	11	—	—
	Total	60	22	15	11	84	18
2513.19	Pumice stone, other						
	United States	—	—	3	5	—	—
	Total	—	—	3	5	—	—
IMPORTS							
2513.11	Pumice stone, crude or in irregular pieces, including crushed pumice						
	Turkey	4 591	741	3 980	605	4 345	646
	United States	7 428	776	5 066	625	3 338	599
	United Kingdom	...	...	—	—	71	14
	Greece	697	103	266	38	96	12
	Germany	—	—	31	11	35	12
	Other countries	21	5	55	20	118	21
	Total	12 737	1 625	9 398	1 299	8 003	1 304
2513.19	Pumice stone, other						
	United States	3 345	737	2 699	579	2 981	872
	Turkey	144	21	815	171	764	108
	Germany	104	37	87	30	112	39
	Taiwan	48	17	64	22	75	26
	Other countries	188	37	110	31	152	53
	Total	3 829	849	3 775	833	4 084	1 098
2530.10.10.10	Vermiculite, unexpanded						
	South Africa	10 734	2 038	11 446	2 482	12 407	2 806
	United States	6 610	1 189	7 067	1 254	8 010	1 391
	Greece	—	—	1 257	120	3 327	292
	China	—	—	—	—	1 400	228
	Other countries	172	33	102	13	—	—
	Total	17 516	3 260	19 872	3 869	25 144	4 717
2530.10.10.20	Perlite, unexpanded						
	United States	26 231	4 017	29 714	4 477	32 506	4 670
	Greece	11 324	1 004	7 855	768	5 993	548
	China	—	—	—	—	600	40
	Morocco	50	2	—	—	—	—
	Total	37 605	5 023	37 569	5 245	39 099	5 258
3802.90.20	Activated perlite, excluding expanded perlite ground to be employed in filtering						
	United States	266	170	197	182	115	83
	Total	266	170	197	182	115	83
6806.20.00.10	Exfoliated (expanded) vermiculite						
	United States	274	621	319	664	201	430
	South Africa	—	—	2	4	5	10
	Netherlands	...	1	—	—	—	—
	Total	274	622	321	668	206	440
6806.20.00.20	Expanded perlite						
	United States	5 149	3 198	6 140	4 360	5 872	4 001
	Greece	—	—	19	15	—	—
	Taiwan	1	4	—	—	—	—
	Total	5 150	3 202	6 159	4 375	5 872	4 001

Source: Statistics Canada.

— Nil; ... Amount too small to be expressed; P Preliminary.

Note: Numbers may not add to totals due to rounding.

TABLE 7. CANADA, LIGHTWEIGHT AGGREGATES PRODUCED, SOLD AND USED, 1994 AND 1995

	1994				1995			
	Produced		Sold and Used		Produced		Sold and Used	
	(m ³)	(\$)	(m ³)	(\$)	(m ³)	(\$)	(m ³)	(\$)
From domestic and/or imported raw materials								
Expanded clay, shale and slag ¹	185 549	6 185 970	184 189	6 171 086	202 809	6 602 065	173 146	5 561 853
From imported crude materials								
Expanded perlite and exfoliated vermiculite ¹	383 749	19 372 046	397 657	20 118 815	437 362	21 920 686	449 274	22 582 000
Total	569 298	25 558 016	581 846	26 289 901	640 171	28 522 751	622 420	28 143 853

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada" (see Table 5 for list of establishments surveyed).

¹ Combined to avoid disclosing confidential company data.

TABLE 8. CANADA, SALES OF EXPANDED SLAG, PERCENTAGE BY END USE, 1993-95

Use	1993	1994	1995
		(%)	
Concrete block manufacture	90.0	75.0	85.0
Ready-mix concrete	10.0	5.0	4.0
Miscellaneous uses	–	20.0	11.0

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada."

– Nil.

Notes: See Table 5 for list of establishments surveyed. Sales also imply quantities consumed for own use.

TABLE 9. CANADA, SALES OF EXPANDED CLAY AND SHALE, PERCENTAGE BY END USE, 1993-95

Use	1993	1994	1995
		(%)	
Loose insulation	47.6	54.3	47.1
Concrete block manufacture	37.5	28.0	49.8
Precast concrete manufacture	12.9	11.0	0.6
Ready-mix concrete	2.0	1.5	2.0
Horticulture and miscellaneous uses	–	5.2	0.5

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada."

– Nil.

Notes: See Table 5 for list of establishments surveyed. Sales also imply quantities consumed for own use.

TABLE 10. CANADA, SALES OF EXPANDED PERLITE, PERCENTAGE BY END USE, 1993-95

Use	1993	1994	1995
		(%)	
Horticulture and agriculture	92.3	92.4	92.2
Insulation in gypsum products in other construction materials	0.4	0.4	0.5
Loose insulation and miscellaneous uses	–	–	–
	7.3	7.2	7.3

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada."

– Nil.

Notes: See Table 5 for list of establishments surveyed. Sales also imply quantities consumed for own use.

TABLE 11. CANADA, SALES OF EXPANDED VERMICULITE, PERCENTAGE BY END USE, 1993-95

Use	1993	1994	1995
		(%)	
Horticulture	84.2	81.4	83.6
Loose insulation	7.1	8.0	8.2
Miscellaneous uses	8.7	10.6	8.2

Source: Natural Resources Canada, reported from NRCan survey questionnaire "Production of Lightweight Aggregates in Canada."

Notes: See Table 5 for list of establishments surveyed. Sales also imply quantities consumed for own use.

TABLE 12. CANADA, VALUE OF CONSTRUCTION BY TYPE, 1992-94

	1992	1993 ^a	1994 ^a
	(\$ millions)		
BUILDING CONSTRUCTION			
Residential	33 676	32 577	34 922
Industrial	2 563	2 219	3 006
Commercial	9 331	8 479	6 251
Institutional	4 536	4 123	4 931
Other building	1 854	1 840	1 948
Subtotal	51 960	49 238	51 058
ENGINEERING CONSTRUCTION			
Marine	415	243	492
Transportation	5 113	5 340	6 032
Waterworks	903	793	904
Sewage, dams, sanitary systems	1 175	1 303	1 501
Electric power	5 944	5 347	3 965
Railway, telephones	1 561	1 587	1 446
Gas and oil facilities	7 291	9 503	13 721
Other engineering	2 055	2 188	2 325
Subtotal	24 457	26 304	30 386
Total construction	76 417	75 542	81 444

Sources: Natural Resources Canada; Statistics Canada, catalogue no. 61-223.

^a Expenditures include value of new as well as major renovation work purchased.

Note: Numbers may not add to totals due to rounding.

TABLE 13. CANADA, VALUE OF CONSTRUCTION BY PROVINCE,¹ 1992-94

	1992			1993			1994		
	Building Construction ¹	Engineering Construction ¹	Total	Building Construction ¹	Engineering Construction ¹	Total	Building Construction ¹	Engineering Construction ¹	Total
	(\$ millions)								
Newfoundland	699	876	1 575	696	1 308	2 004	742	1 728	2 470
Nova Scotia	1 160	744	1 904	1 255	647	1 902	1 330	451	1 781
New Brunswick	948	457	1 405	939	664	1 603	980	528	1 508
Prince Edward Island	194	88	282	211	65	276	174	155	329
Quebec	11 076	4 779	15 855	10 796	5 117	15 913	11 366	4 916	16 282
Ontario	20 244	7 032	27 276	17 634	5 953	23 587	18 541	6 027	24 568
Manitoba	1 103	885	1 988	1 174	735	1 909	1 471	669	2 140
Saskatchewan	949	1 376	2 325	961	1 481	2 442	1 125	1 866	2 991
Alberta	5 573	5 307	10 880	5 478	7 072	12 550	4 696	9 853	14 549
British Columbia, Yukon and Northwest Territories	10 014	2 913	12 927	10 094	3 262	13 356	10 687	4 193	14 880
Total Canada	51 960	24 457	76 417	49 238	26 304	75 542	51 112	30 386	81 498

Sources: Natural Resources Canada; Statistics Canada, catalogue no. 61-223.

¹ Expenditures include value of new as well as major renovation work purchased.

Note: Numbers may not add to totals due to rounding.