

Statistical Report

This statistical summary of the Canadian mineral industry has been compiled by staff of the Minerals and Mining Statistics Division, Minerals and Metals Sector, Natural Resources Canada (NRCan), under the general direction of Yvan Gauthier, Director.

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Statistics contained in this summary are obtained from a variety of sources. Principal sources include the statistical survey programs of NRCan and Statistics Canada. The statistical survey program of the Minerals and Mining Statistics Division of NRCan is conducted jointly with the provincial/territorial governments and Statistics Canada in order to minimize the reporting burden on the mineral industry. The cooperation of the companies providing information is greatly appreciated.

Notes: (1) We continue to review the tables of this Report in order to establish the requirements of users. We would appreciate your feedback on which tables are important to you. Please contact Angela Kokkinos at tel. (613) 992-6767 or e-mail akokkino@nrcan.gc.ca to provide your input. (2) This and other reviews, including previous editions, are available on the Internet at www.nrcan.gc.ca/mms/cmy/2004CMY_e.htm.

NOTE TO READERS

The intent of this document is to provide general information and to elicit discussion. It is not intended as a reference, guide or suggestion to be used in trading, investment, or other commercial activities. The author and Natural Resources Canada make no warranty of any kind with respect to the content and accept no liability, either incidental, consequential, financial or otherwise, arising from the use of this document.

STATISTICAL TABLES

SECTION 1. PRODUCTION

- 1 Mineral Production of Canada, 2001-04
- 2 Canada, Value of Mineral Production, Per Capita Value of Mineral Production, and Population, 1973-2004
- 3 Canada, Value of Mineral Production by Province, Territory and Mineral Class, 2004
- 4 Canada, Value of Mineral Production by Province and Territory, 1996-2004
- 5 Canada's World Role as a Producer of Certain Important Minerals, 2003
- 6 Canada, Gross Domestic Product of Industrial Production, Mining and Mineral Manufacturing at Basic Prices in Chained (1997) Dollars, 1998-2004
- 7 Canada, Gross Domestic Product by Industry at Basic Prices in Chained (1997) Dollars, 1998-2004

SECTION 2. TRADE

- 8 Canada, Stages 1 to 4, Domestic Exports of Minerals and Mineral Products by Commodity, 2002-04
- 9 Canada, Stages 1 to 4, Imports of Minerals and Mineral Products by Commodity, 2002-04
- 10 Canada, Stages 1 to 4, Value of Minerals and Mineral Products, Domestic Exports by Commodity, by Destination, 2004
- 11 Canada, Stages 1 to 4, Value of Minerals and Mineral Products, Imports by Commodity, by Origin, 2004

SECTION 3. USE

- 12 Canada, Reported Use of Minerals and Relation to Production, 2001-03
- 13 Canada, Domestic Use of Principal Refined Metals in Relation to Refinery Production, 1996-2003

SECTION 4. PRICES

- 14 Average Annual Prices of Selected Metals, 1994-2004
- 15 Canadian Average Annual Prices of Selected Metals, 1994-2004

SECTION 5. PRINCIPAL STATISTICS

- 16 Canada, Principal Statistics of the Mineral Industry, 2003
- 17 Canada, Principal Statistics of the Mineral Industry, 1989-2003
- 18 Canada, Principal Statistics of the Mineral Manufacturing Industries, 2002
- 19 Canada, Principal Statistics of the Mineral Manufacturing Industries, 1982-2002
- 20 Canada, Consumption of Fuel and Electricity in the Non-Fuel Mineral Industry, 2002 and 2003
- 21 Canada, Cost of Fuel and Electricity Used in the Non-Fuel Mineral Industry, 1995-2003

SECTION 6. EMPLOYMENT, SALARIES AND WAGES

- 22 Canada, Employment in the Mineral Industry, Stage 1 – Mineral Extraction and Concentrating (Total Activity), 1961-2004
- 23 Canada, Non-Fuel Mineral Industry Employment, by Stage (Total Activity), 1990-2004
- 24 Canada, Number of Wage Earners Employed in the Non-Fuel Mineral Industry (Surface, Underground and Mill), 1995-2003
- 25 Canada, Mine and Mill Workers, by Sex, Employed in the Non-Fuel Mineral Industry, 2003
- 26 Canada, Labour Costs for Metal Mines in Relation to Tonnes Mined (Surface, Underground), 2001-03
- 27 Canada, Person-Hours Paid for Production and Related Workers, and Tonnes of Ore Mined in Metal Mines and Other Mineral Operations, 1995-2003
- 28 Canada, Average Weekly Wages (Including Overtime) for Hourly Rated Employees in the Mining and Mineral Manufacturing Industries, 1995-2004
- 29 Canada, Number of Strikes and Lockouts by Industry, 2002-04
- 30 Canada, Number of Strikes and Lockouts by Mining and Mineral Manufacturing Industry, 2002-04

SECTION 7. MINING AND EXPLORATION

- 31 Canada, Source of Material Hoisted or Removed From Selected Types of Mines, 2003
- 32 Canada, Ore Mined and Rock Quarried, 1997-2003
- 33 Canada, Ore Mined and Rock Quarried, Historical, 1975-2003

SECTION 8. TRANSPORTATION

- 34 Canada, Crude Minerals Transported by Canadian Railways, 2000-2004
- 35 Canada, Processed Mineral Products Transported by Canadian Railways, 2000-2004
- 36 Canada, Crude Minerals and Processed Mineral Products Transported by Canadian Railways, 1961-2004
- 37 Canada, Crude Minerals Loaded and Unloaded in Coastwise Shipping, 2001-03
- 38 Canada, Processed Mineral Products Loaded and Unloaded in Coastwise Shipping, 2001-03
- 39 Canada, Crude Minerals and Processed Mineral Products Loaded at Canadian Ports in Coastwise Shipping, 1961-2003
- 40 Canada, Crude Minerals Loaded and Unloaded at Canadian Ports in International Shipping Trade, 2001-03
- 41 Canada, Processed Mineral Products Loaded and Unloaded at Canadian Ports in International Shipping Trade, 2001-03
- 42 Canada, Crude Minerals and Processed Mineral Products Loaded at Canadian Ports in International Shipping Trade, 1961-2003

SECTION 9. INVESTMENT AND FINANCE

- 43 Canada, Capital and Repair Expenditures by Selected Industrial Sector, 2003-05
- 44 Canada, Capital and Repair Expenditures in the Mineral Industry by Province and Territory, 2003-05
- 45 Canada, Capital and Repair Expenditures in the Mining and Oil and Gas Extraction Industries, 2003-05

TABLE 1. MINERAL PRODUCTION OF CANADA, 2001-04

	Unit	2001		2002		2003		2004 (p)	
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	($000)
METALS									
Antimony	kg	234	518	145	443	129	426	94	358
Bismuth	kg	258	3 176	203	2 015	138	1 177	185	1 738
Cadmium	kg	979	744	899	907	716	1 298	699	1 075
Calcium	kg	x	x	x	x	x	x	x	x
Cesium, pollucite	kg	x	x	x	x	x	x	x	x
Cobalt	kg	2 112	80 988	2 065	49 429	1 842	60 343	2 126	153 599
Columbium (niobium)	kg	2 911	x	3 333	x	3 237	x	3 450	x
Copper	kg	614 312	1 535 165	584 195	1 440 040	540 998	1 300 019	541 797	2 030 654
Gold	g	158 875	2 135 275	151 904	2 377 303	140 861	2 307 157	128 733	2 206 482
Ilmenite	t	x	x	x	x	x	x	x	x
Indium	g	x	x	x	x	x	x	x	x
Iron ore	t	27 119	1 188 928	30 902	1 278 127	33 322	1 281 288	28 131	1 370 593
Iron, remelt	t	x	x	x	x	x	x	x	x
Lead	kg	150 389	109 483	101 330	71 944	92 934	67 005	71 122	82 431
Lithium	kg	x	x	x	x	x	x	x	x
Magnesium	kg	x	x	x	x	x	x	x	x
Molybdenum	kg	8 556	73 845	7 953	x	8 887	x	9 506	x
Nickel	kg	184 300	1 777 389	179 800	1 926 554	155 475	2 135 610	181 885	3 348 131
Platinum group	g	20 694	651 923	24 372	502 425	21 528	316 813	26 364	463 676
Selenium	kg	238	2 861	175	2 380	288	4 662	277	17 861
Silver	kg	1 265	277 916	1 352	315 724	1 282	283 647	1 265	354 107
Strontium	kg	-	-	-	-	-	-	-	-
Tantalum	kg	94	13 616	71	7 731	67	6 159	69	5 814
Tellurium	kg	51	208	39	243	45	452	69	1 032
Tin	kg	-	-	-	-	-	-	-	-
Tungsten	kg	-	-	2 295	18 790	3 636	29 755	0	0
Uranium	kg	12 991	605 400	12 855	613 194	9 939	418 142	11 948	635 990
Vanadium	kg	-	-	-	-	-	-	-	-
Yttrium	kg	-	-	-	-	-	-	-	-
Zinc	kg	1 012 048	1 425 976	923 931	1 129 044	757 307	883 020	735 699	996 872
Total metals		..	10 359 340	..	10 378 499	..	9 669 762	..	12 529 640
NONMETALS									
Asbestos	t	277	118 741	242	98 170	x	x	x	x
Barite	t	23	4 685	17	3 283	27	5 132	21	4 155
Carbonalite	t	-	-	x	x	x	x	x	x
Cement	t	12 986	1 348 313	13 710	1 437 351	14 190	1 496 769	14 884	1 623 444
Clay products	t	..	194 580	..	233 244	..	233 999	..	239 088
Diamond	carats	3 716	717 780	4 937	791 821	10 756	1 587 740	12 618	2 140 123
Gemstones	kg	148	3 046	246	5 441	124	3 575	105	3 232
Graphite	t	x	x	x	x	x	x	x	x
Gypsum	t	7 821	95 965	8 809	105 234	8 378	108 461	9 339	113 936
Lime	t	2 213	213 831	2 248	220 532	2 221	230 901	2 443	261 574
Magnesite	t	x	x	x	x	x	x	x	x
Marl	t	x	x	x	x	x	x	x	x
Mica	t	x	x	x	x	x	x	x	x
Nepheline syenite	t	710	65 519	717	68 163	703	62 988	702	62 557
Peat	t	1 319	186 381	1 385	195 396	1 180	181 317	1 180	205 674
Phosphate	t	x	x	x	x	x	x	x	x
Potash (K ₂ O)	t	8 237	1 617 433	8 361	1 627 225	9 229	1 608 791	10 792	1 930 025
Potassium sulphate	t	x	x	x	x	x	x	x	x
Pumice	t	x	x	x	x	x	x	x	x
Quartz	t	1 613	44 725	1 540	45 398	1 581	41 707	1 690	46 552
Salt	t	13 725	429 809	12 736	419 255	13 718	420 557	14 125	431 518
Sand and gravel	t	236 486	1 062 234	238 120	1 053 677	244 532	1 122 717	248 159	1 078 764
Serpentine	t	x	x	x	x	x	x	x	x
Soapstone, talc, pyrophyllite, etc.	t	45	15 228	83	22 916	82	28 138	80	27 826
Sodium sulphate	t	x	x	x	x	x	x	x	x
Stone	t	124 758	957 048	124 746	1 003 786	124 528	1 023 878	127 559	1 070 632
Sulphur, elemental	t	8 154	1 277	7 671	77 305	7 891	239 130	8 271	273 514
Sulphur, in smelter gas	t	762	33 772	703	25 559	614	28 193	621	37 811
Titanium dioxide	t	x	x	x	x	x	x	x	x
Tremolite	t	x	x	x	x	x	x	x	x
Zeolite	t	x	x	x	x	x	x	x	x
Total nonmetals		..	7 620 918	..	7 938 946	..	8 915 236	..	10 039 934
MINERAL FUELS									
Coal	t	70 354	1 557 115	66 608	1 600 507	62 125	1 492 220	66 019	1 598 063
Total all minerals		..	19 537 373	..	19 917 954	..	20 077 218	..	24 167 636

Sources: Natural Resources Canada; Statistics Canada.

.. Not available; (p) Preliminary; x Confidential.

Notes: Numbers may not add to totals due to rounding. Confidential values are included in totals.

TABLE 2. CANADA, VALUE OF MINERAL PRODUCTION, PER CAPITA VALUE OF MINERAL PRODUCTION, AND POPULATION, 1973-2004 (1)

Year	Value of Mineral Production				Per Capita Value of Mineral Production	Population of Canada
	Metals	Nonmetals (Including Structural Materials)	Coal	Total		
1973	3 947	1 292	180	5 419	240.93	22 492
1974	4 934	1 731	303	6 968	305.51	22 808
1975	5 022	1 899	586	7 507	324.37	23 143
1976	5 344	2 269	607	8 220	350.53	23 450
1977	6 031	2 612	610	9 253	389.99	23 726
1978	5 746	2 989	779	9 514	397.03	23 963
1979	8 006	3 516	860	12 382	511.61	24 202
1980	9 777	4 154	932	14 863	606.26	24 516
1981	8 841	4 491	1 073	14 405	580.38	24 820
1982	6 953	3 841	1 294	12 088	481.27	25 117
1983	7 528	3 857	1 304	12 689	500.22	25 367
1984	8 897	4 493	1 795	15 185	592.98	25 608
1985	8 745	4 864	1 845	15 454	598.00	25 843
1986	8 819	4 864	1 726	15 409	590.36	26 101
1987	10 962	5 125	1 641	17 728	670.27	26 449
1988	13 608	5 574	1 804	20 986	783.21	26 795
1989	13 982	5 566	1 907	21 455	786.42	27 282
1990	12 500	5 289	1 824	19 613	708.10	27 698
1991	10 462	4 783	1 917	17 162	612.25	28 031
1992	10 210	4 473	1 669	16 352	576.44	28 367
1993	8 871	4 459	1 768	15 098	526.39	28 682
1994	9 750	5 193	1 812	16 755	577.78	28 999
1995	12 173	5 436	1 835	19 444	663.57	29 302
1996	11 697	5 408	1 936	19 041	643.04	29 611
1997	11 549	5 912	1 920	19 381	648.04	29 907
1998	10 429	6 527	1 765	18 721	620.78	30 157
1999	9 704	7 333	1 474	18 511	608.83	30 404
2000	10 980	7 428	1 427	19 835	646.32	30 689
2001	10 359	7 621	1 557	19 537	650.78	30 021
2002	10 379	7 939	1 601	19 919	634.91	31 373
2003	9 670	8 915	1 492	20 077	634.14	31 660
2004 (p)	12 530	10 040	1 598	24 168	756.53	31 946

Sources: Natural Resources Canada; Statistics Canada.

(p) Preliminary.

(1) This table has been revised to exclude the production of petroleum and natural gas.

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

TABLE 3. CANADA, VALUE OF MINERAL PRODUCTION BY PROVINCE, TERRITORY AND MINERAL CLASS, 2004 (p, 1)

Province/Territory	Metals		Nonmetals		Coal		Total	
	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)
Newfoundland and Labrador	773 860	6.2	37 650	0.4	—	—	811 510	3.4
Prince Edward Island	—	—	3 658	—	—	—	3 658	...
Nova Scotia	635	...	x	x	x	x	278 282	1.2
New Brunswick	502 337	4.0	x	x	x	x	759 992	3.1
Quebec	2 643 349	21.10	1 354 399	13.49	—	—	3 997 748	16.54
Ontario	4 775 422	38.11	2 446 896	24.37	—	—	7 222 318	29.88
Manitoba	1 127 496	9.0	105 118	1.0	—	—	1 232 614	5.1
Saskatchewan	719 398	5.7	x	x	x	x	2 818 176	11.66
Alberta	1 200	...	x	x	x	x	1 199 579	5.0
British Columbia	1 886 920	15.06	575 723	5.7	1 127 025	70.52	3 589 668	14.85
Yukon	54 455	0.4	7 178	0.1	—	—	61 633	0.3
Northwest Territories	8 956	0.1	2 147 890	21.39	—	—	2 156 846	8.9
Nunavut	35 612	0.3	—	—	—	—	35 612	0.1
Total	12 529 640	100	10 039 933	100	1 598 063	100	24 167 636	100

Sources: Natural Resources Canada; Statistics Canada.

— Nil; ... Amount too small to be expressed; (p) Preliminary; x Confidential.

(1) This table has been revised to exclude the production of petroleum and natural gas.

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

TABLE 4. CANADA, VALUE OF MINERAL PRODUCTION BY PROVINCE AND TERRITORY, (1) 1996-2004

Province/Territory	1996	1997	1998	1999	2000	2001	2002	2003	2004 (p)
	(\$ millions)								
Ontario	5 638	5 536	4 978	5 120	5 711	5 635	5 937	5 690	7 222
Quebec	3 415	3 437	3 560	3 657	3 653	3 604	3 742	3 563	3 998
British Columbia	3 004	3 047	2 893	2 445	2 891	2 867	2 864	2 914	3 590
Saskatchewan	1 887	2 214	2 426	2 319	2 283	2 457	2 493	2 277	2 818
Northwest Territories	518	549	401	653	682	779	874	1 667	2 157
Manitoba	895	1 021	893	811	1 069	885	850	892	1 233
Alberta	1 022	1 032	1 154	1 092	1 064	990	1 053	1 191	1 200
Newfoundland and Labrador	906	1 008	1 095	820	967	863	873	845	812
New Brunswick	955	953	863	851	773	807	653	702	760
Nova Scotia	391	378	335	326	295	285	259	263	278
Yukon	407	204	117	61	56	41	43	34	62
Nunavut	—	—	—	349	385	321	272	35	36
Prince Edward Island	4	3	6	7	5	4	5	4	4
Total	19 042	19 382	18 721	18 511	19 834	19 538	19 918	20 077	24 168

Sources: Natural Resources Canada; Statistics Canada.

— Nil; (p) Preliminary.

(1) This table has been revised to exclude the production of petroleum and natural gas.

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

TABLE 5. CANADA'S WORLD ROLE AS A PRODUCER OF CERTAIN IMPORTANT MINERALS, 2003 (p)

	World	Rank of Five Leading Countries					
		1	2	3	4	5	
Uranium (U concentrates)	t	35 511	Canada	Australia	Kazakhstan	Niger	Russia
(mine production)	% of world total		10 371	7 633	3 300	3 143	3 073
			29.2	21.5	9.3	8.9	8.7
Potash (K ₂ O equivalent)	000 t	28 400	Canada	Russia	Belarus	Germany	Israel
(mine production)	% of world total		9 200	4 700	4 200	3 600	1 960
			32.4	16.5	14.8	12.7	6.9
Magnesium (primary)	000 t	491	China	Canada	Russia	Israel	Kazakhstan
(mine production)	% of world total		354	50	30	28	14
			72.1	10.2	6.1	5.7	2.9
Titanium concentrate (ilmenite)	000 t	4 900	Australia	South Africa	Canada	China	Norway
(mine production)	% of world total		1 170	1 080	765	400	360
			23.9	22.0	15.6	8.2	7.3
Nickel (mine production)	000 t	1 359	Russia	Australia	Canada	Indonesia	New Caledonia
(mine production)	% of world total		300	191	163	143	112
			22.1	14.1	12.0	10.5	8.2
Gypsum (mine production)	000 t	104 000	United States	Iran	Canada	Spain	China
(mine production)	% of world total		16 700	11 500	9 000	7 500	6 900
			16.1	11.1	8.7	7.2	6.6
Platinum group metals (mine production)	kg	451 640	South Africa	Russia	Canada	United States	Zimbabwe
	% of world total		273 374	124 600	18 514	18 170	8 330
			60.5	27.6	4.1	4.0	1.8
Aluminum (primary metal)	000 t	27 916	China	Russia	Canada	United States	Australia
(mine production)	% of world total		5 449	3 478	2 792	2 703	1 858
			19.5	12.5	10.0	9.7	6.7
Asbestos (mine production)	000 t	2 150	Russia	Kazakhstan	China	Canada	Brazil
(mine production)	% of world total		878	353	260	241	195
			40.8	16.4	12.1	11.2	9.1
Zinc (mine production)	000 t	9 244	China	Australia	Peru	Canada	United States
(mine production)	% of world total		1 800	1 479	1 373	788	738
			19.5	16.0	14.9	8.5	8.0
Cadmium (refined production)	t	16 972	China	Japan	South Korea	Canada	Mexico
(refined production)	% of world total		2 500	2 497	2 175	1 634	1 590
			14.7	14.7	12.8	9.6	9.4
Molybdenum (Mo content) (mine production)	t	129 150	United States	Chile	China	Canada	Peru
	% of world total		34 100	31 400	30 000	9 575	9 500
			26.4	24.3	23.2	7.4	7.4
Cobalt (mine production)	t	44 339	Congo D.R.	Zambia	Russia	Brazil	Canada
(mine production)	% of world total		12 000	6 620	4 654	4 500	4 304
			27.1	14.9	10.5	10.1	9.7
Salt (mine production)	000 t	210 000	United States	China	Germany	India	Canada
(mine production)	% of world total		43 700	32 400	15 700	15 000	13 300
			20.8	15.4	7.5	7.1	6.3
Lead (mine production) (1)	000 t	2 989	China	Australia	United States	Peru	Mexico
(mine production)	% of world total		800	688	460	309	139
			26.8	23.0	15.4	10.3	4.7
Silver (2)	t	18 961	Peru	Mexico	China	Australia	Poland
(mine production)	% of world total		2 921	2 569	2 500	1 868	1 332
			15.4	13.5	13.2	9.9	7.0
Gold (mine production) (3)	t	2 549	South Africa	Australia	United States	China	Peru
(mine production)	% of world total		373	282	277	210	173
			14.6	11.1	10.9	8.2	6.8
Copper (mine production) (4)	000 t	13 684	Chile	United States	Indonesia	Peru	Australia
(mine production)	% of world total		4 904	1 130	1 003	843	830
			35.8	8.3	7.3	6.2	6.1

Sources: Natural Resources Canada, from *World Nonferrous Metal Statistics* and the *Canadian Minerals Yearbook*; U.S. Geological Survey.

(p) Preliminary.

(1) Canada ranked 6th. (2) Canada ranked 7th. (3) Canada ranked 8th. (4) Canada ranked 8th.

TABLE 6. CANADA, GROSS DOMESTIC PRODUCT OF INDUSTRIAL PRODUCTION, MINING AND MINERAL MANUFACTURING AT BASIC PRICES IN CHAINED (1997) DOLLARS, 1998-2004

	1998	1999	2000	2001	2002	2003	2004
	(\$ millions)						
Total industrial production (1)	210 079	223 124	239 944	231 440	236 504	238 271	247 374
Total mining and oil and gas extraction (2)	34 451	34 457	35 504	35 309	36 568	38 389	39 458
METALS							
Iron ore mining	624	562	770	525	520	597	535
Gold and silver ore mining	1 442	1 301	1 258	1 325	1 187	1 111	1 017
Copper, nickel, lead and zinc mining	2 801	2 735	2 690	2 658	2 409	2 112	2 243
Other metal ore mining	401	503	819	700	971	905	931
MINERAL FUELS							
Oil and gas extraction	21 947	22 058	22 014	21 629	23 043	23 386	23 848
NONMETALS							
Miscellaneous nonmetals (including asbestos) mining	380	767	628	893	1 087	1 735	1 943
Potash mining	957	992	1 015	893	925	987	1 094
Salt mining	219	210	218	236	207	231	230
Coal mining	1 185	1 166	1 235	1 377	1 176	1 098	1 206
Quarries and sand pits	852	892	944	1 016	979	1 009	1 025
SUPPORT ACTIVITIES FOR MINING AND OIL AND GAS EXTRACTION							
	3 761	3 345	4 404	4 814	4 383	5 995	6 339
MINERAL MANUFACTURING							
Primary metals	10 365	10 681	11 591	11 357	11 751	11 804	11 945
Nonmetallic mineral products	4 121	4 152	4 566	4 772	4 916	5 202	5 410
Fabricated metal products	9 823	10 608	13 160	12 727	12 976	13 054	13 623
Petroleum and coal products	1 805	1 737	1 741	1 950	2 005	2 027	2 066

Source: Statistics Canada, *Gross Domestic Product by Industry*, cat. no. 15-001-XIE, August 2005.

(1) Includes mining and oil and gas extraction, manufacturing and utilities. (2) Includes metal mining, nonmetal mining (including coal mining), quarries and sand pits, and support activities for mining and oil and gas extraction.

TABLE 7. CANADA, GROSS DOMESTIC PRODUCT BY INDUSTRY AT BASIC PRICES IN CHAINED (1997) DOLLARS, 1998-2004

	1998	1999	2000	2001	2002	2003	2004
	(\$ millions)						
Gross domestic product, all industries	848 414	896 069	943 738	957 257	986 070	1 008 945	1 040 779
Agriculture	13 968	15 264	14 602	12 595	11 390	13 279	13 900
Fishing, hunting and trapping	821	807	832	916	940	969	987
Forestry and logging	5 644	5 845	6 209	6 257	6 432	6 496	7 226
Support activities for mining, oil and gas	3 761	3 345	4 404	4 814	4 383	5 995	6 339
Mining and oil and gas extraction	34 451	34 457	35 504	35 309	36 568	38 389	39 458
Manufacturing	149 314	161 634	177 618	170 247	172 134	172 090	180 070
Construction	44 422	46 433	48 992	52 575	54 971	58 026	60 689
Transportation and warehousing	41 138	43 666	45 838	47 014	47 329	47 665	49 804
Information and culture	29 944	33 507	36 040	38 679	40 970	41 936	42 478
Electric power, gas and water utilities	26 233	26 626	26 688	25 158	26 809	26 202	26 349
Trade, wholesale	47 161	50 401	53 587	54 525	56 552	59 157	62 306
Trade, retail	44 826	46 941	49 924	52 445	55 737	57 206	59 405
Finance, insurance and real estate	166 093	173 791	180 796	188 047	194 791	199 480	206 340
Community, business and personal services	192 996	203 404	212 391	217 640	224 504	229 199	232 701
Public administration	50 043	51 652	52 831	54 414	55 808	56 988	57 523

Source: Statistics Canada, *Gross Domestic Product by Industry*, cat. no. 15-001-XIE.

TABLE 8. CANADA, STAGES 1 TO 4, DOMESTIC EXPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 2002-04

	Unit of Measure	2002		2003		2004	
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	($000)
METALS							
Aluminum	..	..	8 515 996	..	8 202 180	..	8 838 479
Antimony	kg	58 236	67 018	70	937	87	1 043
Bismuth	kg	92	906	65	522	338	3 134
Cadmium	kg	1 617	3 943	1 797	4 339	1 998	3 862
Calcium	kg	1 407	2 417	1 286	1 842	523	2 110
Chromium	kg	5 191	25 000	3 830	18 607	3 685	17 116
Cobalt	kg	6 673	171 030	6 250	181 916	8 036	456 367
Copper	..	..	2 232 591	..	2 075 948	..	2 981 786
Gold	..	..	2 790 659	..	2 848 474	..	3 545 842
Iron and steel	..	..	11 418 009	..	10 279 228	..	12 157 284
Iron ore	t	25 854	1 092 520	27 186	1 045 899	22 549	930 326
Lead	..	..	239 311	..	202 437	..	285 174
Magnesium and magnesium compounds	kg	140 408	289 814	125 575	206 497	127 058	184 085
Molybdenum	kg	16 148	102 204	17 588	135 210	22 788	343 078
Nickel	..	..	2 369 342	..	2 516 397	..	4 343 523
Platinum group metals	g	..	221 132	32 552	62 602	..	76 758
Silver	..	..	466 984	..	452 262	..	467 924
Tin	..	..	7 187	..	8 598	..	15 856
Titanium	kg	37 880	19 166	32 353	21 288	85 638	26 289
Uranium and thorium	..	..	918 996	..	836 265	..	896 033
Zinc	kg	1 121 855	1 300 691	949 680	1 060 509	967 378	1 222 411
Other metals	..	..	(r) 5 796 078	..	5 494 036	..	5 733 569
Total metals	..	..	38 050 994	..	35 655 993	..	42 532 049
NONMETALS							
Asbestos	..	..	247 265	..	188 502	..	166 694
Barite and witherite	t	1	931	1	606	1	1 165
Cement	..	..	855 894	..	789 929	..	770 722
Clay and clay products	..	..	44 709	..	49 891	..	69 574
Diamonds	..	..	906 714	..	1 607 253	..	1 988 816
Graphite	..	..	65 302	..	81 769	..	88 702
Gypsum	..	..	200 347	..	173 676	..	203 207
Lime	kg	120 062	23 456	117 505	21 071	136 705	22 140
Mica	t	22	14 232	19	11 337	21	11 199
Nepheline syenite	t	434	64 322	430	60 257	476	61 589
Peat	..	..	285 214	..	257 897	..	255 012
Potash and potassium compounds	kg	13 816 000	2 386 496	13 914 218	1 934 269	15 754 478	2 179 800
Salt and sodium compounds	t	4 686	567 646	5 181	557 438	5 287	533 905
Sand and gravel	t	4 574	56 736	5 273	54 138	5 633	51 316
Silica and silica compounds	..	..	34 966	..	29 650	..	37 846
Stone	..	..	153 389	..	141 804	..	161 739
Sulphur and sulphur compounds	t	3 634	227 756	3 511	284 971	5 935	456 886
Talc, soapstone and pyrophyllite	t	69	29 128	67	26 608	67	26 139
Titanium oxides	kg	68 220	176 748	75 057	179 812	76 011	167 417
Other nonmetals	..	..	3 442 402	..	3 245 149	..	3 579 997
Total nonmetals	..	..	9 783 653	..	9 696 027	..	10 833 865
FUELS							
Coal and coke	t	25 404	1 841 828	25 346	1 686 857	26 160	1 902 972
Natural gas	000 m ³	107 673	18 359 522	101 626	26 085 808	103 518	27 040 437
Natural gas by-products	000 m ³	11	1 611 286	11	2 017 201	9	2 148 879
Petroleum	..	..	26 976 188	..	30 512 647	..	37 424 719
Other fuels	kg	276 539	352 394	299 408	373 866	324 779	436 511
Total fuels	..	..	49 141 218	..	60 676 379	..	68 953 518
Total mining domestic exports (including fuels)	..	..	96 975 865	..	106 028 399	..	122 319 432
Total economy domestic exports	..	..	365 291 060	..	354 097 937	..	385 033 540

Sources: Natural Resources Canada; Statistics Canada.

.. Not available or not applicable.

Note: Totals may not add due to rounding.

TABLE 9. CANADA, STAGES 1 TO 4, IMPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 2002-04

	Unit of Measure	2002		2003		2004	
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	($000)
METALS							
Aluminum	..	..	5 024 350	..	4 543 091	..	5 005 009
Antimony	kg	2 509	9 040	2 331	8 279	2 878	11 187
Bismuth	kg	96	1 388	93	1 255	108	1 964
Cadmium	kg	134	1 591	62	1 228	90	1 676
Chromium	kg	79 641	66 575	68 578	54 319	55 853	56 293
Cobalt	kg	1 637	24 542	2 452	28 788	2 748	65 487
Copper	..	..	1 592 241	..	1 578 309	..	2 318 148
Gold	..	..	1 000 837	..	1 052 626	..	1 909 336
Iron and steel	..	..	16 313 588	..	15 208 199	..	18 275 101
Iron ore	t	6 897	381 173	6 690	326 448	8 538	431 679
Lead	..	..	389 523	..	334 283	..	386 509
Magnesium and magnesium compounds	kg	402 308	183 600	357 521	176 643	392 025	214 174
Molybdenum	kg	5 757	53 574	5 465	59 069	8 459	136 339
Nickel	..	..	405 668	..	465 752	..	711 559
Platinum group metals	g	2 501 070	306 719	2 615 827	297 800	2 691 339	311 869
Silver	..	..	187 187	..	190 707	..	364 491
Tin	..	..	54 388	..	49 501	..	65 028
Titanium	kg	18 800	80 375	10 686	61 520	6 194	74 349
Uranium and thorium	..	..	236 473	..	216 509	..	294 663
Zinc	..	..	216 782	..	284 922	..	321 623
Other metals	..	..	12 148 699	..	11 248 487	..	11 887 076
Total metals	..	..	38 678 313	..	36 187 735	..	42 843 560
NONMETALS							
Asbestos	..	..	106 600	..	104 575	..	116 585
Barite and witherite	t	69	7 148	85	9 921	85	8 451
Cement	..	..	238 760	..	240 078	..	253 620
Clay and clay products	..	..	1 116 315	..	1 113 141	..	1 148 878
Diamonds	..	..	603 204	..	522 389	..	528 957
Graphite	..	..	415 415	..	410 917	..	402 555
Gypsum	..	..	84 385	..	85 146	..	89 887
Lime	kg	70 324	9 704	78 277	9 914	71 206	9 104
Mica	t	7	15 665	7	14 012	6	11 898
Nepheline syenite	t	..	17	..	21	..	48
Peat	..	..	2 936	..	2 010	..	2 420
Potash and potassium compounds	kg	123 844	40 170	124 292	38 959	109 000	34 845
Salt and sodium compounds	t	2 246	306 483	2 064	283 568	3 214	283 709
Sand and gravel	t	2 871	18 422	2 357	15 221	2 270	15 699
Silica and silica compounds	..	..	196 460	..	172 268	..	156 535
Stone	..	..	190 328	..	202 727	..	221 631
Sulphur and sulphur compounds	t	192	23 074	236	28 338	228	22 425
Talc, soapstone and pyrophyllite	t	87	26 126	75	20 174	161	19 026
Titanium oxides	kg	99 157	250 465	109 771	274 811	112 579	264 956
Other nonmetals	..	..	4 807 232	..	4 562 170	..	4 586 314
Total nonmetals	..	..	8 458 909	..	8 110 360	..	8 177 543
FUELS							
Coal and coke	t	23 577	1 288 184	23 482	1 134 794	20 186	1 309 653
Natural gas	000 m ³	3 835	680 921	6 511	1 823 221	10 386	2 582 679
Natural gas by-products	000 m ³	..	70 763	..	101 847	1	131 650
Petroleum	..	..	15 397 355	..	17 987 539	..	21 412 317
Other fuels	..	..	565 789	..	520 676	..	554 229
Total fuels	..	..	18 003 012	..	21 568 077	..	25 990 528
Total mining imports (including fuels)	..	..	65 140 234	..	65 866 172	..	77 011 631
Total economy imports	..	..	348 849 183	..	335 962 483	..	355 566 638

Sources: Natural Resources Canada; Statistics Canada.

- Nil; .. Not available or not applicable; ... Amount too small to be expressed.

Note: Totals may not add due to rounding.

TABLE 10. CANADA, STAGES 1 TO 4, VALUE OF MINERALS AND MINERAL PRODUCTS, DOMESTIC EXPORTS BY COMMODITY, BY DESTINATION, 2004

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	7 908 525	80 557	426 941	123 564	298 892	8 838 479
Antimony	943	57	–	–	43	1 043
Bismuth	878	2 180	–	–	76	3 134
Cadmium	542	2 066	939	–	315	3 862
Calcium	54	1 007	328	–	721	2 110
Chromium	16 972	20	–	1	123	17 116
Cobalt	54 313	84 364	137 599	–	180 091	456 367
Copper	2 179 779	14 701	342 605	164	444 537	2 981 786
Gold	2 205 670	1 243 808	39 651	–	56 713	3 545 842
Iron and steel	11 253 248	216 038	19 370	106 139	562 489	12 157 284
Iron ore	245 202	442 592	27 037	–	215 495	930 326
Lead	234 100	22 797	485	5 862	21 930	285 174
Magnesium and magnesium compounds	147 896	25 265	4 400	...	6 524	184 085
Molybdenum	108 805	114 717	63 758	53 424	2 374	343 078
Nickel	1 123 558	1 086 396	163 153	4 760	1 965 656	4 343 523
Platinum group	67 188	8 884	8	6	672	76 758
Silver	386 609	48 895	23 757	...	8 663	467 924
Tin	14 672	227	574	–	383	15 856
Titanium	22 540	944	–	1	2 804	26 289
Uranium and thorium	395 395	424 116	39 373	1 232	35 917	896 033
Zinc	904 733	131 624	26 193	...	159 861	1 222 411
Other metals	4 184 059	574 251	35 941	27 619	368 388	5 190 258
Total metals	31 455 681	4 525 506	1 352 112	322 772	4 332 667	41 988 738
NONMETALS						
Asbestos	60 327	586	2 886	3 293	99 602	166 694
Barite and witherite	959	–	–	–	206	1 165
Cement	757 952	3 650	1 970	6	7 144	770 722
Clay and clay products	52 603	6 115	310	12	10 534	69 574
Diamonds	95 501	1 885 091	380	–	7 844	1 988 816
Graphite	73 590	6 152	279	163	8 518	88 702
Gypsum	198 290	2 666	92	26	2 133	203 207
Lime	22 025	–	–	–	115	22 140
Mica	7 817	612	2 031	31	708	11 199
Nepheline syenite	46 402	10 389	1 269	–	3 529	61 589
Peat	215 691	1 806	19 378	696	17 441	255 012
Perlite	–	–	–	–	–	–
Potash and potassium compounds	1 139 149	31 011	11 358	12 345	985 937	2 179 800
Salt and sodium compounds	495 586	396	19 440	9	18 474	533 905
Sand and gravel	48 140	7	...	–	3 169	51 316
Silica and silica compounds	34 113	933	143	229	2 428	37 846
Stones	115 535	35 116	780	–	10 308	161 739
Sulphur and sulphur compounds	162 296	11	17	...	294 562	456 886
Talc, soapstone and pyrophyllite	26 132	6	–	–	1	26 139
Titanium oxides	162 029	3 799	23	–	1 566	167 417
Other nonmetals	3 365 074	83 906	6 516	11 322	113 179	3 579 997
Total nonmetals	7 079 211	2 072 252	66 872	28 132	1 587 398	10 833 865
FUELS						
Coal and coke	372 676	463 831	329 183	52 467	684 815	1 902 972
Natural gas	27 040 427	6	–	–	4	27 040 437
Natural gas by-products	2 148 701	65	–	–	113	2 148 879
Petroleum	36 807 840	422 737	68 747	556	124 839	37 424 719
Other fuels	344 818	39 309	13 709	1 377	37 298	436 511
Total fuels	66 714 462	925 948	411 639	54 400	847 069	68 953 518
Total mining domestic exports	105 249 354	7 523 706	1 830 623	405 305	6 767 134	121 776 121

Sources: Natural Resources Canada; Statistics Canada.

– Nil; ... Amount too small to be expressed.

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

TABLE 11. CANADA, STAGES I TO 4, VALUE OF MINERALS AND MINERAL PRODUCTS, IMPORTS BY COMMODITY, BY ORIGIN, 2004

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	3 359 935	260 561	6 502	15 433	1 362 578	5 005 009
Antimony	7 317	69	2	768	3 031	11 187
Bismuth	1 085	503	—	—	376	1 964
Cadmium	996	636	...	5	39	1 676
Calcium	36 739	8 247	131	1	4 898	50 016
Chromium	12 665	5 428	554	786	36 860	56 293
Cobalt	19 844	5 498	4 214	—	35 931	65 487
Copper	1 085 775	164 197	10 193	43 222	1 014 761	2 318 148
Gold	1 148 063	42 695	277	2 173	716 128	1 909 336
Iron and steel	11 555 557	2 051 857	456 982	617 234	3 593 471	18 275 101
Iron ore	399 690	884	2	1	31 102	431 679
Lead	260 279	22 558	5 730	10 274	87 668	386 509
Magnesium and magnesium compounds	54 376	17 084	1 372	1 312	140 030	214 174
Molybdenum	86 636	905	36	2 119	46 643	136 339
Nickel	172 184	102 943	11 456	2 047	422 929	711 559
Platinum group	160 749	71 274	1 636	—	78 210	311 869
Silver	182 012	20 400	591	26 837	134 651	364 491
Tin	19 815	2 036	32	596	42 549	65 028
Titanium	52 113	13 803	1 386	...	7 047	74 349
Uranium and thorium	45 260	33 319	122	—	215 962	294 663
Zinc	210 676	16 253	249	22 619	71 826	321 623
Other metals	6 763 397	1 186 424	303 234	1 075 429	2 508 576	11 837 060
Total metals	25 635 163	4 027 574	804 701	1 820 856	10 555 266	42 843 560
NONMETALS						
Asbestos	81 130	4 110	4 014	2 200	25 131	116 585
Barite and witherite	6 211	179	—	—	2 061	8 451
Cement	212 813	12 395	651	2 452	25 309	253 620
Clay and clay products	454 365	261 259	27 206	43 943	362 105	1 148 878
Diamonds	65 301	81 331	344	27	381 954	528 957
Graphite	245 332	64 140	20 042	1 274	71 767	402 555
Gypsum	85 945	770	10	1 811	1 351	89 887
Lime	8 801	252	—	—	51	9 104
Mica	8 010	1 759	370	7	1 752	11 898
Nepheline syenite	45	—	1	—	2	48
Peat	1 066	296	—	—	1 058	2 420
Potash and potassium compounds	28 222	2 352	103	3	4 165	34 845
Salt and sodium compounds	237 323	18 509	2 174	6 689	19 014	283 709
Sand and gravel	15 051	118	4	11	515	15 699
Silica and silica compounds	121 325	20 669	1 739	109	12 693	156 535
Stone	59 688	57 649	11	2 315	101 968	221 631
Sulphur and sulphur compounds	21 568	605	4	—	248	22 425
Talc, soapstone and pyrophyllite	17 732	506	58	—	730	19 026
Titanium oxides	190 756	47 245	1 786	8 122	17 047	264 956
Other nonmetals	3 308 794	474 033	74 594	106 900	621 993	4 586 314
Total nonmetals	5 169 478	1 048 177	133 111	175 863	1 650 914	8 177 543
FUELS						
Coal and coke	1 017 738	5 605	1 026	170	285 114	1 309 653
Natural gas	2 582 169	6	4	1	499	2 582 679
Natural gas by-products	130 250	463	7	3	927	131 650
Petroleum	3 655 575	4 427 813	6 353	363 606	12 958 970	21 412 317
Other fuels	498 776	35 551	2 581	686	16 635	554 229
Total fuels	7 884 508	4 469 438	9 971	364 466	13 262 145	25 990 528
Total mining imports	38 689 149	9 545 189	947 784	2 361 185	25 468 325	77 011 631

Sources: Natural Resources Canada; Statistics Canada.

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

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

TABLE 12. CANADA, REPORTED USE OF MINERALS AND RELATION TO PRODUCTION, 2001-03

Unit of Measure	2001			2002			2003			
	Use	Production	Use as a Percentage of Production (%)	Use	Production	Use as a Percentage of Production (%)	Use	Production	Use as a Percentage of Production (%)	
METALS										
Aluminum (1)	t	964 609	2 582 746	37.3	1 019 713	2 708 910	37.6	1 010 089	2 791 915	36.2
Antimony	kg	486 682	233 771	208.2	487 013	144 900	336.1	557 905	128 641	433.7
Bismuth	kg	20 006	257 553	7.8	17 221	202 705	8.5	17405	137 573	12.7
Cadmium	kg	212 969	978 564	21.8	209 434	898 895	23.3	209 925	715 791	29.3
Chromium (chromite)	t	x	-	x	x	-	x	x	-	x
Cobalt	kg	94 270	2 112 415	4.5	91 962	2 064 943	4.5	88 367	1 841 586	4.8
Copper (2)	t	265 209	614 312	43.2	274 132	584 195	46.9	257 326	540 998	47.6
Lead (3)	t	56 956	150 389	37.9	66 575	101 330	65.7	68 359	92 934	73.6
Magnesium	t	45 840	x	x	54 100	x	x	56 175	x	x
Manganese ore	t	5 487	-	..	6 677	-	..	25 909	-	..
Mercury	kg	5 605	-	x	2 131	-	x	4 865	-	x
Molybdenum (Mo content)	t	2 454	8 556	28.7	2 664	7 953	33.5	2 331	8 887	26.2
Nickel	t	17 735	184 300	9.6	18 955	179 800	10.5	13 010	155 475	8.4
Selenium	kg	23 082	238 069	9.7	19 084	174 754	10.9	10 798	288 064	3.7
Silver	kg	323 829	1 264 659	25.6	309 026	1 352 002	22.9	280 843	1 327 952	21.1
Tellurium	kg	x	50 602	..	x	38 667	x	x	45 202	x
Tin	t	2 626	-	..	2 701	-	..	2 245	-	..
Tungsten (W content)	kg	x	-	x	x	-	x	x	-	x
Zinc (3)	t	144 590	1 012 048	(r) 14.3	149 908	923 931	16.2	145 596	757 307	19.2
NONMETALS										
Barite	t	27 517	22 780	120.8	14 840	17 417	85.2	28 820	27 369	105.3
Feldspar	t	541	-	..	625	-	..	638	-	..
Fluorspar	t	142 028	-	..	159 602	-	..	177 719	-	..
Mica	t	3 865	x	x	3 817	x	x	3 708	x	x
Nepheline syenite	t	59 951	709 557	8.4	59 306	717 203	8.3	65 559	703 426	9.3
Phosphate rock	t	x	x	x	x	x	x	x	x	x
Potash (K ₂ O equivalent)	t	195 788	8 236 662	2.4	199 053	8 361 025	2.4	189 116	9 229 428	2.0
Sodium sulphate	t	119 625	x	x	119 427	x	x	114 687	x	x
Sulphur	t	794 995	8 915 707	8.9	(r) 863 987	8 374 157	(r) 10.3	856 495	8 505 391	10.1
Talc, etc.	t	80 831	45 086	179.3	58 266	83 044	70.2	66 580	8 199	81.2

Sources: Natural Resources Canada; Statistics Canada.

- Nil; .. Not available; (r) Revised; x Confidential.

(1) Use of primary and recycled aluminum and alloys, and scrap, reported by users. (2) "Use" is defined as domestic shipments of refined copper plus imports of refined copper. (3) Use of primary and recycled refined metal.

Notes: Unless otherwise stated, "use" refers to the reported use of refined metals or nonmetallic minerals by users. Production of metals, in most cases, refers to production in all forms and includes the recoverable content of ores, concentrates, matte, etc., and the metal content of primary products recoverable at domestic smelters and refineries. Production of nonmetals refers to producers' shipments.

TABLE 13. CANADA, DOMESTIC USE OF PRINCIPAL REFINED METALS IN RELATION TO REFINERY PRODUCTION, (1) 1996-2003

Unit of Measure	1996	1997	1998	1999	2000	2001	2002	2003
ALUMINUM								
Domestic use (2)	t	676 935	764 438	889 973	999 242	1 016 506	964 609	1 010 089
Production	t	2 283 212	2 327 188	2 374 118	2 389 834	2 373 460	2 582 746	2 791 915
Use as a percentage of production		29.6	32.8	37.5	41.8	42.8	37.3	36.2
COPPER								
Domestic use (3)	t	218 280	224 777	246 212	266 505	272 075	265 209	274 132
Production	t	559 200	560 582	562 261	548 563	551 393	567 720	494 522
Use as a percentage of production		39.0	40.1	43.8	48.6	49.3	46.7	55.4
LEAD								
Domestic use (4)	t	93 373	92 997	87 466	92 557	81 365	56 956	68 359
Production (5)	t	310 791	271 395	265 487	266 415	284 333	230 928	251 560
Use as a percentage of production		30.0	34.3	32.9	34.7	28.6	24.7	26.5
ZINC								
Domestic use (4)	t	134 787	133 553	138 424	143 188	147 913	144 590	149 908
Production	t	716 467	703 798	745 131	776 927	779 892	661 172	793 410
Use as a percentage of production		18.8	19.0	18.6	18.4	19.0	21.9	18.9

Source: Natural Resources Canada.

(1) Production of refined metal from all sources, including metal derived from recycled materials at primary refineries. (2) Use of primary and recycled aluminum and alloys, and scrap, reported by users. (3) "Use" is defined as domestic shipments of refined copper plus imports of refined copper.

(4) Use of primary and recycled refined metal, reported by users. (5) Production of primary and recycled refined lead.

TABLE 14. AVERAGE ANNUAL PRICES (1) OF SELECTED METALS, 1994-2004

	Unit	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Aluminum, London Metal Exchange	¢/lb	66.986	81.903	68.296	72.544	61.574	61.738	70.267	66.458	61.231	64.922	77.816
Antimony, New York dealer	\$/lb	1.777	2.278	1.466	0.996	0.718	0.627	0.655	0.649	0.883	1.072	1.303
Bismuth, New York dealer	\$/lb	3.070	3.781	3.546	3.275	3.408	3.378	3.539	3.613	2.872	2.768	3.225
Cadmium, New York dealer	\$/lb	1.144	1.839	1.238	0.513	0.286	0.177	0.164	0.223	0.292	0.587	0.546
Copper, electrolytic cathode, COMEX	¢/lb	107.052	134.717	105.872	103.580	75.077	72.111	83.971	73.687	71.672	81.050	128.972
Gold, London (2)	\$/troy oz	384.009	384.162	387.696	331.096	294.160	278.825	278.600	269.984	309.97	363.509	409.212
Iridium, New York dealer	\$/troy oz	30.000	30.000	46.188	171.125	392.032	379.938	390.000	389.000	250.438	60.554	145.229
Lead, London Metal Exchange, cash	¢/lb	24.829	28.600	35.019	28.292	23.960	22.778	20.574	21.339	20.516	23.343	40.186
Magnesium, U.S. Spot Western Mean	¢/lb	144.744	191.894	187.236	165.759	159.238	155.229	137.229	125.406	121.281	108.675	148.094
Molybdenum, dealer, oxide	\$/lb	4.501	7.412	3.606	4.175	3.313	2.591	2.498	2.313	3.668	5.210	15.922
Nickel, New York dealer, cathode	\$/lb	2.919	3.901	3.501	3.221	2.179	2.750	3.987	2.825	3.095	4.446	6.341
Osmium, New York dealer	\$/troy oz	400.000	399.375	392.458	391.000	366.867	350.000	350.000	350.800	350.000	350.000	350.000
Palladium, London PM fix	\$/troy oz	142.631	151.229	128.079	177.951	284.678	357.902	681.100	651.676	336.614	200.292	230.525
Platinum, London PM fix	\$/troy oz	404.998	424.346	397.171	395.210	372.019	376.880	544.226	546.169	539.812	691.862	845.207
Rhodium, New York dealer	\$/troy oz	712.678	424.145	280.721	268.458	574.771	863.063	1 818.750	1 621.175	775.896	487.188	893.563
Ruthenium, New York dealer	\$/troy oz	13.604	21.827	34.921	32.896	39.208	34.721	118.275	126.050	57.05	27.851	56.947
Selenium, New York dealer	\$/lb	4.900	4.897	3.423	2.791	2.274	2.278	3.699	3.520	3.933	5.238	22.828
Silver, Handy & Harman	\$/troy oz	5.284	5.192	5.183	4.892	5.534	5.250	5.003	4.414	4.625	4.911	6.690
Tantalum, tantalite ore, spot	\$/lb	25.500	26.260	27.000	27.000	32.783	33.000	62.438	107.800	40.000	36.833	30.479
Tin, New York dealer	\$/lb	2.549	2.945	2.890	2.644	2.613	2.545	2.549	2.156	1.947	2.324	4.094
Tungsten, U.S. spot ore	\$/stu	36.750	56.402	55.000	53.333	44.021	40.000	40.000	53.600	43.000	41.667	41.563
Zinc, special high grade	¢/lb	45.255	53.235	51.109	59.697	46.453	48.805	51.150	45.163	38.643	40.633	47.507

Sources: Natural Resources Canada; *Metals Week*.

COMEX Commodities Exchange, Inc.

(1) Prices, except where noted, are in U.S. currency. (2) Average afternoon fixings of London bullion dealers.

TABLE 15. CANADIAN AVERAGE ANNUAL PRICES OF SELECTED METALS (1), 1994-2004

	Unit	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Aluminum, London Metal Exchange	\$/kg	2.017	2.478	2.054	2.215	1.952	2.021	2.301	2.321	2.120	2.006	2.233
Antimony, New York dealer	\$/kg	5.350	6.893	4.408	3.042	2.276	2.053	2.145	2.266	3.057	3.312	3.739
Bismuth, New York dealer	\$/kg	9.243	11.441	10.663	10.000	10.805	11.059	11.588	12.617	9.943	8.552	9.254
Cadmium, New York dealer	\$/kg	3.444	5.565	3.723	1.566	0.907	0.579	0.537	0.779	1.011	1.814	1.567
Copper, electrolytic cathode, COMEX	\$/kg	3.223	4.076	3.184	3.163	2.380	2.361	2.749	2.573	2.481	2.504	3.701
Gold, London (2)	\$/g	16.861	16.952	17.002	14.743	13.601	13.312	13.303	13.749	15.650	16.379	17.123
Iridium, New York dealer	\$/g	1.317	1.324	2.026	7.620	18.126	18.139	18.623	19.811	12.645	2.729	6.077
Lead, London Metal Exchange, cash	¢/kg	54.739	63.052	77.204	62.373	52.823	50.217	45.358	47.044	71.029	72.125	115.306
Magnesium, U.S. Spot Western Mean	\$/kg	4.631	5.462	5.804	5.496	5.707	5.893	5.894	4.379	4.199	3.558	4.249
Molybdenum, dealer, oxide	\$/kg	13.552	22.428	10.844	12.748	10.504	8.482	8.179	8.077	12.699	16.098	45.685
Nickel, New York dealer, cathode	\$/kg	8.789	11.804	10.528	9.835	6.908	9.003	13.055	9.865	10.715	13.737	18.194
Osmium, New York dealer	\$/g	17.563	17.623	17.211	17.411	16.962	16.710	16.713	17.865	17.671	15.771	14.645
Palladium, London PM fix	\$/g	6.263	6.673	5.617	7.924	13.162	17.087	35.523	33.188	16.995	9.025	9.646
Platinum, London PM fix	\$/g	17.783	18.725	17.417	17.598	17.201	17.993	25.987	27.815	27.255	31.175	35.367
Rhodium, New York dealer	\$/g	31.292	18.716	12.311	11.954	26.575	41.205	86.846	82.561	39.175	21.952	37.390
Ruthenium, New York dealer	\$/g	0.597	0.963	1.531	1.465	1.813	1.658	5.648	6.419	2.880	1.255	2.383
Selenium, New York dealer	\$/kg	14.753	14.818	10.293	8.522	7.210	7.458	12.112	12.292	13.617	16.184	65.501
Silver, Handy & Harman	\$/kg	232.011	229.107	227.293	217.835	255.870	250.653	238.895	224.791	233.514	0.221	0.280
Tantalum, tantalite ore, spot	\$/kg	76.777	79.459	81.192	82.442	103.937	108.034	204.441	376.450	138.485	113.806	87.454
Tin, New York dealer	\$/kg	7.675	8.911	8.690	8.075	8.284	8.333	8.346	7.529	6.741	7.181	11.747
Tungsten, U.S. spot ore	\$/mtu	49.397	76.189	73.835	72.700	62.307	58.460	58.470	83.561	63.778	57.474	53.240
Zinc, special high grade	\$/kg	1.363	1.611	1.537	1.823	1.473	1.598	1.675	1.577	1.338	1.255	1.363

Sources: Natural Resources Canada; *Metals Week*.

COMEX Commodities Exchange, Inc.; mtu Metric tonne unit.

(1) This table is calculated using an average yearly exchange rate, and using the prices from Table 14. (2) Average afternoon fixings of London bullion dealers.

TABLE 16. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY, (1,2) 2003

NAICS Code	Mining Activity								Total Activity (3)				
	Production and Related Workers				Costs				Value of Production	Value Added	Employees	Salaries and Wages	Value Added
	Establishments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies							
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)		
BY INDUSTRY													
Metal Ore Mining													
Iron ore	21221	4	3 275	6 771	266 688	208 241	453 038	1 403 564	742 285	4 247	342 901	738 087	
Gold and silver	21222	28	5 134	11 177	386 862	182 199	756 610	2 460 308	1 521 498	6 649	528 293	1 515 033	
Lead-zinc	21231	1	x	x	x	x	x	x	x	x	x	x	
Nickel-copper	21232	4	x	x	x	x	x	x	x	x	x	x	
Copper-zinc	21233	10	3 528	7 337	226 626	117 533	739 668	1 533 643	676 443	4 119	277 172	678 470	
Other metal ore mining (4)	21229	12	2 008	4 230	129 197	88 066	242 469	937 771	607 237	2 412	160 518	603 014	
Total		59	18 362	39 219	1 290 910	713 698	3 176 365	9 444 700	5 554 637	23 846	1 749 993	5 539 583	
Nonmetallic Mining and Quarrying													
Diamonds	212392	2	992	2 164	60 831	78 422	178 887	1 587 740	1 330 431	1 189	75 726	1 327 357	
Salt	212393	10	1 039	2 466	71 269	26 206	56 577	395 574	312 791	1 432	97 148	308 862	
Gypsum	212395	8	403	842	17 040	7 194	15 165	96 581	74 222	491	21 911	73 151	
Potash	212396	11	2 720	5 726	199 177	217 090	191 045	1 623 469	1 215 335	3 529	278 422	1 218 270	
Peat	212397	71	1 221	2 651	34 923	10 321	49 325	254 454	194 808	1 509	45 537	196 476	
Stone (5)	21231	185	2 995	6 343	126 413	65 268	188 180	885 472	632 024	3 758	168 019	640 564	
Sand and gravel	212323	396	3 084	7 246	132 168	68 217	127 548	785 743	589 978	4 142	180 127	611 922	
Shale, clay and refractory	212326	8	183	368	9 401	6 059	6 344	73 028	60 625	248	15 035	60 715	
Other nonmetallic or mineral mining and quarrying (6)		19	907	1 969	45 933	41 092	45 371	209 392	122 930	1 236	66 090	122 447	
Total		710	13 544	29 775	697 155	519 867	858 442	5 911 452	4 533 143	17 534	948 016	4 559 764	
Mineral Fuels													
Coal	21211	20	3 923	7 684	275 565	131 261	307 557	1 285 434	846 616	4 592	339 040	848 169	
Total mineral industry (1)		789	35 829	76 678	2 263 630	1 364 826	4 342 364	16 641 586	10 934 396	45 972	3 037 049	10 947 515	
BY PROVINCE													
Newfoundland and Labrador		17	1 678	3 426	149 883	85 953	192 967	759 183	480 264	1 976	177 132	472 455	
Prince Edward Island		2	x	x	x	x	x	x	x	x	x	x	
Nova Scotia		29	837	1 911	36 559	17 462	34 717	192 103	139 925	1 054	47 899	144 245	
New Brunswick		45	1 573	3 468	73 855	48 208	340 608	670 237	281 421	2 024	105 671	280 829	
Quebec		178	7 003	15 016	424 358	273 407	903 754	2 725 763	1 548 603	9 653	603 739	1 550 062	
Ontario		275	10 084	22 362	625 460	289 750	1 178 842	4 589 205	3 120 613	12 949	855 251	3 119 098	
Manitoba		32	1 695	3 512	95 750	38 818	263 149	870 642	568 675	2 409	139 373	576 155	
Saskatchewan		50	4 449	9 336	311 445	270 162	339 979	2 299 619	1 689 478	5 482	408 865	1 697 046	
Alberta		77	2 005	4 245	108 650	39 443	105 326	589 815	445 047	2 562	145 941	451 853	
British Columbia		77	5 043	10 279	349 489	208 106	769 906	2 246 941	1 268 928	6 100	441 954	1 268 655	
Yukon		1	x	x	x	x	x	x	x	x	x	x	
Northwest Territories		5	1 294	2 765	78 308	88 538	191 535	1 660 515	1 380 443	1 570	99 746	1 376 194	
Nunavut		1	x	x	x	x	x	x	x	x	x	x	
Total Canada		789	35 829	76 678	2 263 630	1 364 826	4 342 364	16 641 586	10 934 396	45 972	3 037 049	10 947 515	

Sources: Natural Resources Canada; Statistics Canada.

NAICS: North American Industry Classification System. x Confidential.

(1) Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. (2) Excludes the oil and gas extraction industry (NAICS 211). (3) Total activity includes sales and head offices. (4) Includes uranium ore mining (NAICS 212291) and all other metal ore mining (NAICS 212299). (5) Includes NAICS 212314, 212315, 212316 and 212317. (6) Includes asbestos mining (NAICS 212394) and all other nonmetallic mineral mining and quarrying (NAICS 212398).

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

TABLE 17. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY, (1, 2) 1989-2003

Year	Mining Activity								Total Activity (3)				
	Production and Related Workers				Costs				Value of Production	Value Added	Employees	Salaries and Wages	Value Added
	Establishments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies							
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)		
1989	537	59 593	129 946	2 562 805	1 013 010	4 712 423	17 445 454	11 720 021	78 279	3 460 651	11 826 346		
1990	521	55 558	121 448	2 510 817	1 061 769	4 619 245	16 158 688	10 477 673	73 156	3 391 151	10 571 448		
1991	498	51 642	112 344	2 446 055	1 043 554	4 318 454	14 359 030	8 997 022	68 747	3 363 119	9 094 572		
1992	469	46 819	101 065	2 278 504	960 413	4 249 868	13 705 148	8 494 868	62 257	3 136 794	8 566 223		
1993	459	44 053	94 733	2 139 903	933 552	3 931 954	12 598 992	7 733 486	58 325	2 928 793	7 793 020		
1994	555	44 083	95 756	2 227 755	970 304	3 938 223	13 872 653	8 964 126	58 195	3 019 806	9 059 983		
1995	730	46 728	101 852	2 421 274	1 065 118	4 652 556	16 771 037	11 053 363	61 193	3 262 475	11 133 393		
1996	727	45 552	99 532	2 466 512	1 129 784	4 939 053	16 568 618	10 499 781	59 555	3 306 371	10 575 169		
1997	717	45 011	98 314	2 550 807	1 116 321	5 118 922	16 907 365	10 672 121	58 326	3 397 931	10 744 485		
1998	708	42 554	92 746	2 437 877	1 056 510	4 920 070	16 172 637	10 196 057	55 299	3 309 255	10 254 270		
1999	818	41 034	87 863	2 301 420	1 020 533	4 441 176	15 290 102	9 828 393	53 366	3 145 593	9 853 424		
2000	828	39 443	86 152	2 330 708	1 218 214	4 567 183	17 019 475	11 234 052	51 576	3 176 123	11 236 741		
2001	805	37 724	82 678	2 256 596	1 296 317	4 826 059	16 564 772	10 442 396	49 107	3 083 169	10 435 004		
2002 (r)	808	36 811	78 166	2 226 644	1 266 580	4 777 199	16 573 134	10 529 355	47 624	3 020 647	10 509 587		
2003	789	35 829	76 678	2 263 630	1 364 826	4 342 364	16 641 586	10 934 396	45 972	3 037 049	10 947 515		

Sources: Natural Resources Canada; Statistics Canada.

(r) Revised.

(1) Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. (2) This table no longer includes data for the petroleum and natural gas industries. (3) Total activity includes sales and head offices.

TABLE 18. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, 2002

	Mineral Manufacturing Activity								Total Activity (1)		
	Production and Related Workers				Costs		Value of Production	Value Added	Employees	Salaries and Wages	Value Added
	Establishments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies					
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
BY INDUSTRY											
Primary metal manufacturing	678	69 532	...	3 829 981	2 111 382	19 521 625	34 828 178	13 653 719	85 363	4 864 554	13 618 401
Nonmetallic mineral product manufacturing	2 230	41 237	...	1 636 925	766 222	4 501 928	11 262 917	6 005 815	52 105	2 239 009	6 074 958
Fabricated metal product manufacturing	8 020	151 830	...	5 592 788	483 626	15 052 687	31 101 944	15 643 336	192 911	7 846 741	15 931 248
Petroleum and coal products manufacturing	234	7 321	...	448 753	660 157	28 263 257	33 660 162	4 841 254	10 836	697 133	4 952 303
Total	11 162	269 920	...	11 508 447	4 021 387	67 339 497	110 853 201	40 144 124	341 215	15 647 437	40 576 910
BY REGION											
Atlantic	455	x	-	x	x	x	x	x	x	x	x
Quebec	2 741	68 262	-	2 719 949	1 168 198	18 450 339	29 803 255	10 246 991	87 056	3 721 444	10 291 733
Ontario	4 887	142 187	-	6 349 394	2 036 021	28 819 239	51 365 396	21 010 669	177 098	8 548 804	21 294 989
Prairies	1 730	x	-	x	x	x	x	x	x	x	x
British Columbia	1 349	17 708	-	756 444	125 554	3 017 929	5 462 113	2 325 313	23 359	1 075 199	2 311 054
Total	11 162	269 920	-	11 508 447	4 021 387	67 339 497	110 853 201	40 144 124	341 215	15 647 437	40 576 910

Source: Statistics Canada.

- Nil; ... Amount too small to be expressed; x Confidential.

(1) Total activity includes sales and head offices.

TABLE 19. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, (1) 1982-2002

Year	Mineral Manufacturing Activity								Total Activity (2)		
	Production and Related Workers				Costs		Value of Production	Value Added	Employees	Salaries and Wages	Value Added
	Establishments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies					
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
1982	5 687	229 518	475 378	5 333 201	1 728 740	34 241 605	50 045 037	14 497 245	321 785	8 126 238	14 823 990
1983	7 370	216 944	447 947	5 420 307	1 905 777	34 720 416	52 773 875	15 861 491	301 112	8 143 674	16 196 749
1984	7 511	223 816	470 367	5 948 626	2 125 032	37 738 117	57 207 764	17 980 271	304 309	8 719 151	18 265 131
1985	7 625	238 544	506 377	6 507 081	2 229 270	39 497 925	61 241 939	19 305 730	313 850	9 271 447	19 646 938
1986	7 841	248 039	524 184	6 829 899	2 096 145	31 806 478	54 521 641	19 788 464	319 950	9 563 918	20 124 687
1987	7 598	..	..	..	2 154 276	35 570 988	59 787 220	22 189 903	333 536	10 188 110	22 733 514
1988	8 309	277 965	586 697	8 187 249	2 268 149	35 436 715	62 739 083	25 125 477	350 917	11 191 039	25 725 203
1989	8 300	288 494	606 841	8 893 139	2 341 578	38 785 940	64 981 175	24 317 984	360 004	12 014 330	29 859 105
1990	8 333	260 693	549 440	8 469 361	2 335 229	38 305 154	63 081 826	22 679 757	333 962	11 722 025	23 262 830
1991	7 820	242 783	510 984	8 226 481	2 456 144	34 628 749	58 093 646	20 169 425	309 678	11 288 852	20 698 450
1992	7 482	214 862	489 072	7 656 558	2 530 479	34 191 776	56 436 631	19 375 600	280 226	10 708 582	19 829 810
1993	7 202	211 316	381 263	7 656 373	2 641 864	35 060 212	58 685 636	21 008 722	273 767	10 688 689	21 445 279
1994	7 099	217 412	397 045	7 950 383	2 754 778	38 575 016	65 490 301	24 565 574	279 983	11 040 491	24 993 941
1995	7 151	230 185	492 240	8 537 700	2 862 100	41 112 900	71 292 500	27 936 100	293 594	11 841 500	28 766 000
1996	8 300	230 308	492 074	8 800 500	2 899 400	45 735 300	76 736 600	28 010 400	292 357	12 077 700	28 424 000
1997	8 057	256 877	540 163	9 830 200	3 110 100	48 440 400	81 124 600	29 829 800	321 152	13 447 700	30 254 500
1998	6 823	259 407	551 694	9 920 386	3 283 131	45 004 087	77 701 305	29 695 431	316 936	13 231 170	30 865 463
1999	6 319	259 468	546 696	10 171 350	3 442 897	49 963 931	84 657 218	32 353 132	318 493	13 704 920	33 964 186
2000	10 778	274 338	...	11 400 176	4 120 673	67 664 591	109 785 545	38 826 348	332 880	14 849 075	39 677 267
2001	11 063	279 447	...	11 893 060	4 191 316	66 522 900	108 742 433	37 823 575	335 062	15 167 850	38 739 249
2002	11 162	269 920	...	11 508 447	4 021 387	67 339 497	110 853 201	40 144 124	341 215	15 647 437	40 576 910

Source: Statistics Canada.

.. Not available; ... Amount too small to be expressed.

(1) Includes the following industries: primary metals, nonmetallic mineral products, fabricated metal products, and petroleum and coal products. (2) Total activity includes sales and head offices.

TABLE 20. CANADA, CONSUMPTION OF FUEL AND ELECTRICITY IN THE NON-FUEL MINERAL INDUSTRY, (1) 2002 AND 2003

	Unit	2002			2003		
		Metals	Nonmetals (2)	Total	Metals	Nonmetals (2)	Total
Coal	000 t	—	—	—	—	—	—
	\$000	—	—	—	—	—	—
Gasoline	000 litres	15 099	19 300	34 399	12 980	17 146	30 126
	\$000	8 989	11 068	20 057	8 365	10 225	18 590
Fuel oil, kerosene, diesel oil	000 litres	605 652	319 293	924 945	616 011	361 618	977 629
	\$000	199 072	134 958	334 030	218 772	188 736	407 508
Liquefied petroleum gas	000 litres	150 963	14 200	165 163	146 505	14 108	160 612
	\$000	39 259	4 442	43 701	45 099	4 748	49 847
Natural gas	000 m ³	102 680	678 198	780 878	84 987	722 118	807 105
	\$000	27 139	140 096	167 235	26 314	172 464	198 778
Other fuels (3)	\$000	24 752	465	25 217	33 936	545	34 481
Total value of fuels	\$000	299 211	291 029	590 240	332 486	376 718	709 204
Electricity purchased	million kWh	10 436	2 778	13 214	10 404	2 815	13 219
	\$000	399 061	144 966	544 027	381 213	143 149	524 362
Total value of fuels and electricity purchased, all reporting companies	\$000	698 272	435 994	1 134 266	713 698	519 867	1 233 565

Sources: Natural Resources Canada; Statistics Canada.

— Nil.

(1) Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. (2) Includes all nonmetallic minerals, stone, sand and gravel, shale, clay and refractory minerals. (3) Includes wood, manufactured gas, steam purchased, and other miscellaneous fuels.

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

TABLE 21. CANADA, COST OF FUEL AND ELECTRICITY USED IN THE NON-FUEL MINERAL INDUSTRY, (1) 1995-2003

	Unit	1995	1996	1997	1998	1999	2000	2001	2002	2003
METALS										
Fuel	\$000	237 376	289 723	283 374	244 801	213 351	294 700	319 030	299 211	332 485
Electricity purchased	million kWh	11 527	11 248	11 186	10 754	9 415	10 035	9 928	10 436	10 404
	\$000	408 270	396 358	383 009	375 095	335 715	338 056	345 500	399 061	381 213
Total cost of fuel and electricity	\$000	645 646	686 081	666 383	619 896	549 066	632 756	664 530	698 272	713 698
NONMETALS (2)										
Fuel	\$000	149 757	151 946	161 015	172 842	205 391	295 686	340 555	291 027	376 718
Electricity purchased	million kWh	2 743	2 767	2 795	2 760	2 811	2 889	2 716	2 778	2 815
	\$000	134 949	137 149	126 268	130 203	134 072	144 375	140 393	144 966	143 149
Total cost of fuel and electricity	\$000	284 706	289 095	287 283	303 045	339 463	440 061	480 948	435 993	519 867
TOTAL NON-FUEL MINERAL INDUSTRY										
Fuel	\$000	387 133	441 669	444 389	417 643	418 742	590 386	659 585	590 238	709 203
Electricity purchased	million kWh	14 270	14 015	13 981	13 514	12 226	12 924	12 644	13 214	13 219
	\$000	543 219	533 507	509 277	505 298	469 787	482 431	485 893	544 027	524 362
Total cost of fuel and electricity	\$000	930 352	975 176	953 666	922 941	888 529	1 072 817	1 145 478	1 134 265	1 233 565

Sources: Natural Resources Canada; Statistics Canada.

(1) Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. (2) Includes all nonmetallic minerals, stone, sand and gravel, shale, clay and refractory materials.

Notes: Numbers may not add to totals due to rounding. This table does not include data for the coal industry.

TABLE 22. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY, STAGE 1 – MINERAL EXTRACTION AND CONCENTRATING (TOTAL ACTIVITY), (1) 1961-2004

Year	Metal Mines (3)	Nonmetal Mines (2, 4)	Non-Fuel Minerals (5)	Coal (6)	Total (7)
1961	58 591	16 238	74 829	10 302	85 131
1962	58 243	16 922	75 165	9 897	85 062
1963	57 119	17 347	74 466	9 828	84 294
1964	57 648	17 771	75 419	9 796	85 215
1965	60 942	18 364	79 306	9 697	89 003
1966	61 670	18 734	80 404	9 281	89 685
1967	61 728	18 856	80 584	8 981	89 565
1968	63 369	19 509	82 878	8 427	91 305
1969	60 550	20 014	80 564	7 371	87 935
1970	66 590	20 660	87 250	7 874	95 124
1971	66 012	20 433	86 445	8 069	94 514
1972	61 994	20 020	82 014	8 704	90 718
1973	66 134	20 667	86 801	7 856	94 657
1974	70 038	22 395	92 433	8 142	100 575
1975	69 161	20 085	89 246	8 416	97 662
1976	68 269	21 334	89 603	8 995	98 598
1977	67 242	21 798	89 040	9 781	98 821
1978	56 447	20 882	77 329	10 574	87 903
1979	58 960	21 462	80 422	10 269	90 691
1980	66 118	21 440	87 558	11 416	98 974
1981	68 712	20 574	89 286	11 182	100 468
1982	61 503	17 171	78 674	13 113	91 787
1983	52 194	16 573	68 767	11 646	80 413
1984	52 683	17 258	69 941	11 905	81 846
1985	48 672	16 915	65 587	12 076	77 663
1986	46 487	17 263	63 750	10 747	74 497
1987	45 496	17 919	63 415	10 406	73 821
1988	48 277	17 596	65 873	11 122	76 995
1989	49 395	17 595	66 990	11 279	78 269
1990	45 248	16 891	62 139	11 017	73 156
1991	42 092	15 838	57 930	10 817	68 747
1992	37 774	14 757	52 531	9 726	62 257
1993	34 746	(r) 14 719	(r) 49 465	8 860	(r) 58 325
1994	33 380	15 927	49 307	8 888	58 195
1995	35 181	16 948	52 129	9 063	61 192
1996	34 257	16 121	50 378	9 177	59 555
1997	33 012	16 376	49 388	8 938	58 326
1998	30 734	17 038	47 772	8 157	55 929
1999	28 527	17 781	46 308	7 058	53 366
2000	27 574	18 154	45 728	5 850	51 578
2001	25 935	17 707	43 642	5 464	49 106
2002	25 172	17 359	42 531	5 093	47 624
2003 (p)	25 172	17 578	42 750	4 592	47 342
2004 (f)	23 094	17 935	41 029	4 370	45 399

Sources: Natural Resources Canada; Statistics Canada.

NAICS: North American Industrial Classification System.

(f) Forecast; (p) Preliminary; (r) Revised.

(1) Total activity includes sales and head offices. (2) Includes structural materials. (3) Includes

NAICS no. 2122. (4) Includes NAICS no. 2123. (5) Includes NAICS nos. 2122 and 2123. (6) Includes

NAICS no. 21211. (7) Includes NAICS nos. 2122, 2123 and 21211.

TABLE 23. CANADA, NON-FUEL MINERAL INDUSTRY EMPLOYMENT, BY STAGE (TOTAL ACTIVITY), (1) 1990-2004

Year	Stage 1	Stage 2	Stage 3	Stage 4	Total
	Primary (3)	Smelting and Refining (4)	Semi- Fabricated (5)	Fabricated (2,6)	
(number)					
1990	73 156	102 571	54 336	143 065	373 128
1991	68 747	97 635	49 541	131 161	347 084
1992	62 257	90 313	45 340	115 684	313 594
1993	(r) 58 325	86 785	43 284	112 006	300 400
1994	58 195	85 963	42 688	117 748	304 594
1995	61 193	86 760	43 856	127 956	319 765
1996	59 555	90 568	45 610	138 518	334 251
1997	58 326	91 912	46 406	148 453	345 097
1998	55 929	92 118	48 031	164 006	360 084
1999	53 366	93 658	45 761	166 021	358 806
2000	51 576	93 531	48 084	180 179	373 370
2001	49 107	86 629	50 490	186 418	372 644
2002	47 624	86 860	52 386	194 899	381 769
2003 (p)	46 035	82 997	52 525	197 663	379 220
2004 (f)	45 399	78 051	52 446	193 525	369 420

Sources: Natural Resources Canada; Statistics Canada.

NAICS North American Industrial Classification System

(f) Forecast; (p) Preliminary; (r) Revised.

(1) Total activity includes sales and head offices. (2) In 2002, employment data were refined to better reflect the

mining and mineral processing industries' role in Canada. (3) Includes NAICS nos. 2122, 2123 and 21211.

(4) Includes NAICS no. 331. (5) Includes NAICS no. 327. (6) Includes NAICS no. 332.

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

TABLE 24. CANADA, NUMBER OF WAGE EARNERS EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY (SURFACE, UNDERGROUND AND MILL), 1995-2003

	1995	1996	1997	1998	1999	2000	2001	2002	2003
	(number)								
METALS									
Surface	4 467	6 358	4 762	5 192	4 847	5 315	4 799	3 692	3 737
Underground	12 305	10 610	11 556	9 269	8 468	8 095	7 761	8 480	7 954
Mill	9 572	8 862	8 803	8 601	8 267	7 448	7 087	6 962	6 671
Total	26 344	25 830	25 121	23 062	21 582	20 858	19 647	19 134	18 362
NONMETALS									
Surface	6 369	6 051	6 185	6 286	6 770	7 101	6 834	6 784	6 992
Underground	1 967	1 926	1 964	2 009	2 008	1 864	1 980	1 924	1 954
Mill	4 625	4 211	4 392	4 506	4 907	4 861	4 732	4 638	4 598
Total	12 961	12 188	12 541	12 800	13 685	13 826	13 546	13 346	13 544
TOTAL NON-FUEL MINERAL INDUSTRY									
Surface	10 836	12 409	10 947	11 478	11 617	12 416	11 633	10 476	10 729
Underground	14 272	12 536	13 520	11 278	10 476	9 959	9 741	10 404	9 908
Mill	14 197	13 073	13 195	13 107	13 174	12 309	11 819	11 600	11 269
Total	39 305	38 018	37 662	35 862	35 267	34 684	33 193	32 480	31 906

Sources: Natural Resources Canada; Statistics Canada.

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

TABLE 25. CANADA, MINE AND MILL WORKERS, BY SEX, EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY, 2003

	Mine Workers							
	Underground		Surface		Mill Workers		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
	(number)							
METALS								
Gold	2 972	33	771	25	1 512	73	5 255	131
Silver-lead-zinc	x	x	x	x	x	x	x	x
Uranium	x	x	x	x	x	x	x	x
Iron ore	—	—	1 296	68	1 833	78	3 129	146
Nickel-copper-zinc	x	x	x	x	x	x	x	x
Miscellaneous metal mines	x	x	x	x	x	x	x	x
Total	7 869	85	3 582	155	6 369	302	17 820	542
NONMETALS								
Peat	—	—	420	41	714	46	1 134	87
Gypsum	—	—	314	4	83	2	397	6
Potash	1 237	28	40	1	1 361	53	2 638	82
Salt	542	1	143	5	339	9	1 024	15
Diamonds	3	—	775	104	86	24	864	128
Stone	x	x	x	x	x	x	x	x
Sand and gravel	51	—	2 740	99	189	5	2 980	104
Shale, clay and refractory minerals	—	—	53	3	126	1	179	4
Miscellaneous nonmetals (1)	x	x	x	x	x	x	x	x
Total	1 925	29	6 705	287	4 436	162	13 066	478
Total non-fuel mineral industry	9 794	114	10 287	442	10 805	464	30 886	1 020

Sources: Natural Resources Canada; Statistics Canada.

— Nil; x Confidential.

(1) Includes asbestos mining and all other nonmetallic mineral mining and quarrying.

TABLE 26. CANADA, LABOUR COSTS FOR METAL MINES IN RELATION TO TONNES MINED (SURFACE, UNDERGROUND), 2001-03

	Number of Wage Earners	Total Wages	Average Annual Wage	Tonnage of Ore Mined	Average Annual Tonnes Mined Per Wage Earner	Wage Cost Per Tonne Mined
	(no.)	(\$000)	(\$)	(000 t)	(t)	(\$)
2001						
Gold	3 756	258 716	68 881	41 753	11 116	6.20
Nickel-copper-zinc	6 082	407 667	67 028	86 661	14 249	4.70
Silver-lead-zinc	697	39 389	56 512	6 793	9 746	5.80
Iron ore	1 069	89 614	83 830	75 645	70 762	1.18
Miscellaneous metals	593	27 043	45 605	19 931	33 610	1.35
Total	12 560	846 488	67 396	230 783	18 374	3.66
2002						
Gold	3 801	284 481	74 844	41 184	10 835	6.91
Nickel-copper-zinc	5 761	359 460	62 395	81 862	14 210	4.39
Silver-lead-zinc	392	20 441	52 146	4 666	11 903	4.38
Iron ore	1 197	100 579	84 026	76 967	64 300	1.31
Miscellaneous metals	1021	59 856	120 606	21 592	32 128	2.77
Total	12 172	824 817	67 763	226 271	18 589	3.65
2003						
Gold	3 586	273 425	76 248	42 803	11 936	6.39
Nickel-copper-zinc	5 436	354 298	65 176	76 580	14 088	4.63
Silver-lead-zinc	251	13 100	52 191	3 610	14 381	3.63
Iron ore	1 364	115 036	84 337	89 683	65 750	1.28
Miscellaneous metals	1 054	65 719	62 352	19 008	18 034	3.46
Total	11 691	821 578	70 274	231 684	19 817	3.55

Sources: Natural Resources Canada; Statistics Canada.

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

TABLE 27. CANADA, PERSON-HOURS PAID FOR PRODUCTION AND RELATED WORKERS, AND TONNES OF ORE MINED IN METAL MINES AND OTHER MINERAL OPERATIONS, (3) 1995-2003

	Unit	1995 (r)	1996 (r)	1997	1998	1999	2000	2001	2002	2003
METAL MINES (1)										
Ore mined	Mt	260.48	253.00	248.00	259.89	224.30	247.19	230.78	226.27	231.68
Person-hours paid (2)	million	57.14	56.08	54.60	50.18	46.12	46.58	44.13	40.58	39.22
Person-hours paid per tonne mined	number	0.22	0.22	0.22	0.19	0.21	0.19	0.19	0.18	0.17
Tonnes mined per person-hour paid	t	4.56	4.51	4.54	5.18	4.86	5.31	5.23	5.58	5.91
OTHER MINERAL OPERATIONS (3)										
Ore mined	Mt	169.44	167.01	177.59	167.50	152.06	151.59	149.10	143.26	142.29
Person-hours paid (2)	million	29.33	29.26	28.98	26.73	24.16	21.77	21.06	21.06	20.85
Person-hours paid per tonne mined	number	0.17	0.18	0.16	0.16	0.16	0.14	0.14	0.15	0.15
Tonnes mined per person-hour paid	t	5.78	5.71	6.13	6.27	6.29	6.96	7.08	6.80	6.82

Sources: Natural Resources Canada; Statistics Canada, catalogue nos. 26-201, 26-223 and 26-226.

(r) Revised.

(1) Excludes placer mining. (2) Person-hours paid for production and related workers only. (3) Includes asbestos, diamonds, potash, gypsum, salt, miscellaneous nonmetals and coal.

TABLE 28. CANADA, AVERAGE WEEKLY WAGES (INCLUDING OVERTIME) FOR HOURLY RATED EMPLOYEES IN THE MINING AND MINERAL MANUFACTURING INDUSTRIES, 1995-2004

	1995	1996	1997	1998	1999	2000	2001	2002	2003 (r)	2004
	(\$)									
Oil and gas extraction	1 208.05	1 242.71	1 252.70	1 298.43	1 333.92	1 352.43	1 380.33	1 407.30	1 434.33	1 458.95
Mining	963.25	1 001.83	998.87	1 053.39	1 039.90	1 094.11	1 090.31	1 084.03	1 085.00	1 098.92
Coal mining	1 028.06	1 057.58	1 045.80	1 138.11	1 126.95	1 204.74	1 232.08	1 215.77	1 257.91	1 367.22
Metal ore mining	1 049.60	1 078.85	1 053.23	1 127.77	1 123.25	1 168.98	1 168.94	1 163.13	1 159.50	1 140.61
Nonmetallic mineral mining and quarrying	784.51	825.18	873.86	893.33	882.64	944.20	943.49	952.11	962.70	996.57
Support activities for mining and oil and gas extraction	817.21	895.53	948.30	978.06	970.21	1 013.57	1 049.05	1 074.27	1 087.43	1 218.52
Mineral manufacturing activities	712.75	733.82	752.42	770.92	782.43	796.89	808.12	830.14	842.40	859.04

Source: Statistics Canada; *Annual Estimates of Employment, Earnings and Hours*.
(r) Revised.

TABLE 29. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY INDUSTRY, 2002-04

	2002			2003			2004 (p)		
	Strikes and Lockouts	Workers Involved	Duration in Person-Days	Strikes and Lockouts	Workers Involved	Duration in Person-Days	Strikes and Lockouts	Workers Involved	Duration in Person-Days
Agriculture	1	40	10 430	2	67	4 190	–	–	–
Logging and forestry	1	(r) 160	25 370	3	593	34 610	2	463	8 890
Fishing and trapping	–	–	–	1	3 400	31 570	–	–	–
Mining	3	(r) 591	(r) 74 940	5	3 747	209 010	4	2 671	103 910
Utilities	2	73	2 960	1	37	790	4	520	19 700
Construction	8	472	(r) 11 300	–	–	–	8	6 085	93 090
Manufacturing	98	(r) 22 614	(r) 555 130	91	19 040	575 240	96	14 225	553 509
Wholesale and retail trade	39	(r) 9 047	(r) 132 470	33	9 881	251 410	30	6 685	232 860
Transportation and warehousing	19	(r) 4 159	(r) 67 580	20	7 081	58 830	20	15 541	175 270
Information and culture	17	6 684	(r) 468 010	9	2 459	192 480	9	4 787	463 060
Finance, insurance and real estate	11	1 348	65 290	10	878	28 710	11	503	24 030
Education, health and social sciences	33	(r) 65 675	(r) 384 310	46	27 862	278 855	47	49 167	367 010
Entertainment and hospitality	43	(r) 4 217	33 890	28	2 789	53 010	46	7 268	220 930
Public administration	19	(r) 52 922	(r) 1 201 770	17	1 692	17 607	21	151 010	992 300
Total, all industries	294	168 002	3 033 450	266	79 526	1 736 312	298	258 925	3 254 559

Source: Human Resources and Skills Development Canada, Workplace Information Directorate.
– Nil; (p) Preliminary; (r) Revised.

TABLE 30. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY MINING AND MINERAL MANUFACTURING INDUSTRY, 2002-04

	2002 (r)			2003			2004 (p)		
	Strikes and Lockouts	Workers Involved	Duration in Person-Days	Strikes and Lockouts	Workers Involved	Duration in Person-Days	Strikes and Lockouts	Workers Involved	Duration in Person-Days
MINING	3	591	74 940	5	3 747	209 010	4	2 671	103 910
Metals	–	–	–	2	3 589	207 070	3	2 659	101 810
Mineral fuels	–	–	–	–	–	–	–	–	–
Nonmetals	1	490	74 480	1	60	40	1	12	2 100
Quarries	2	101	460	2	98	1 900	–	–	–
MINERAL MANUFACTURING	13	1 480	111 380	11	1 734	96 970	13	1 551	131 570
Primary metals	7	1 204	94 550	7	1 357	79 150	8	1 417	126 430
Nonmetallic mineral products	6	276	16 830	4	377	17 820	5	134	5 140

Source: Human Resources Development Canada, Workplace Information Directorate.
– Nil; (p) Preliminary; (r) Revised.

TABLE 31. CANADA, SOURCE OF MATERIAL HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 2003

	NAICS Number	Underground Ore	Open-Pit Ore	Total Ore	Underground Waste	Open-Pit Waste	Open-Pit Overburden	Open-Pit Tailings
(000 tonnes)								
METALS								
Iron ore mining	21221	–	89 683	89 683	–	13 322	7 310	53 238
Gold and silver ore mining	21222	12 858	29 945	42 803	2 384	68 876	1 620	40 251
Copper, nickel, lead and zinc ore mining	21223	21 783	58 407	80 190	1 320	34 980	1 962	78 919
Other metal ore mining (1)	21229	2 171	16 837	19 008	83	14 015	–	17 287
Total metals		36 811	194 873	231 684	3 787	131 192	10 892	189 695
NONMETALS								
Asbestos	212394	x	x	x	x	x	x	x
Gypsum	212395	–	8 002	8 002	–	1 995	2 481	–
Potash (2)	212396	31 051	–	31 051	1 791	–	–	7 865
Salt (3)	212393	12 950	–	12 950	–	–	–	549
Diamonds	212392	479	8 859	9 337	127	72 582	–	–
Miscellaneous nonmetals	212398	x	x	x	x	x	x	x
Total nonmetals		45 331	23 849	69 179	1 918	83 443	4 646	11 910
MINERAL FUELS								
Coal (4)	21211	454	72 653	73 107	..	..	..	..
Total metals, nonmetals and mineral fuels		82 596	291 375	373 971	5 705	214 635	15 538	201 605
Percentage		22.1	77.9	100.0	..	..	..	..

Sources: Natural Resources Canada; Statistics Canada.

– Nil; . . Not available; x Confidential; NAICS North American Industry Classification System.

(1) includes uranium ore mining (212291) and all other metal ore mining (212299). (2) Total ore includes from brine wells and/or bore holes. (3) Total ore includes tonnes of brine removed. (4) Crude ore from coal mines (includes coal and other associated rocks).

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

TABLE 32. CANADA, ORE MINED AND ROCK QUARRIED, 1997-2003

Mines	NAICS No.	1997	1998	1999	2000	2001	2002	2003
METALS								
Iron ore	21221	94 430	96 743	85 249	96 349	75 645	76 967	89 683
Gold and silver ore mining	21222	33 924	36 454	44 799	41 802	41 753	41 184	42 803
Copper, nickel, lead and zinc ore mining	21223	104500	111178	79637	95 744	93453	86528	80190
Other metal ore mining (1)	21229	15 145	15 519	14 617	13 298	19 930	21 592	19 008
Total metals		247 999	259 893	224 302	247 194	230 782	226 271	231 684
NONMETALS								
Asbestos	212394	x	x	x	x	x	x	x
Gypsum	212395	9 141	8 863	9 665	8 949	8 407	9 103	8 002
Potash (2)	212396	38 932	39 514	29 346	33 560	29 395	28 052	31 051
Salt (3)	212393	12 690	13 277	11 816	11 102	13 331	11 674	12 950
Diamonds	212392	–	402	3 166	3 190	3 869	4 688	9 337
Miscellaneous nonmetals	212398	x	x	x	x	x	x	x
Total nonmetals		75 853	72 140	63 784	66 394	63 110	60 490	69 179
STRUCTURAL MATERIALS								
Stone of all kinds quarried (4)	21231	120 953	129 057	130 226	139 096	144 793	145 811	101 706
Sand and gravel (5)	21232	227 315	231 639	248 311	240 007	240 421	239 522	248 501
MINERAL FUELS								
Coal (6)	21211	101 735	95 363	88 272	85 201	85 986	82 766	73107
Total ore mined and rock quarried		773 855	788 092	754 895	777 892	765 092	754 860	724 177

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential; NAICS North American Industry Classification System.

(1) includes uranium ore mining (212291) and all other metal ore mining (212299). (2) Total ore includes from brine wells and/or bore holes. (3) Total ore includes tonnes of brine removed. (4) Includes stone used to make cement and lime. (5) Includes silica and quartz.

(6) Crude ore from coal mines (includes coal and other associated rocks).

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

TABLE 33. CANADA, ORE MINED AND ROCK QUARRIED, HISTORICAL, 1975-2003

Year	Metals	Nonmetals (1)	Stone of All Kinds Quarried (2)	Sand and Gravel (3)	Coal (4)	Total
(million tonnes)						
1975	264.2	53.1	105.6	..	..	422.9
1976	296.5	62.4	104.7	..	..	463.6
1977	299.5	68.9	136.3	..	33.8	538.5
1978	248.1	67.1	138.4	..	36.3	489.9
1979	274.8	71.0	126.7	..	39.8	512.3
1980	290.1	71.2	122.3	..	43.9	527.5
1981	301.5	69.9	102.5	..	48.2	522.1
1982	238.4	48.0	73.2	..	53.0	412.6
1983	219.0	55.8	81.3	..	54.8	410.9
1984	246.4	71.7	96.1	..	71.2	485.4
1985	245.0	71.7	100.2	..	76.7	493.6
1986	256.3	66.4	112.7	..	72.7	508.1
1987	266.2	68.5	129.0	..	77.5	541.2
1988	282.1	73.2	135.0	291.5	89.3	873.1
1989	283.8	71.7	135.4	275.7	87.7	856.6
1990	280.6	68.7	126.7	245.3	89.5	810.7
1991	271.4	66.5	103.0	214.8	90.3	742.8
1992	248.2	63.9	104.5	239.9	81.4	738.7
1993	236.5	64.1	106.0	237.2	87.6	695.6
1994	233.7	73.9	110.4	247.1	96.6	761.8
1995	260.5	72.6	120.7	230.1	97.7	781.5
1996	253.0	67.5	112.4	217.4	100.4	750.6
1997	248.0	75.9	121.0	227.3	101.7	774.7
1998	259.9	72.1	129.1	231.6	95.4	788.1
1999	224.3	63.8	130.2	248.3	88.2	754.9
2000	247.2	66.4	139.1	240.0	85.2	777.9
2001	230.8	63.1	144.8	240.4	86.0	765.1
2002	226.3	60.5	145.8	239.5	82.8	754.9
2003	231.7	69.2	101.7	248.5	73.1	724.2

Sources: Natural Resources Canada; Statistics Canada.

.. Not available.

(1) From 1979 onwards, coverage includes miscellaneous nonmetal mines previously excluded.

(2) Includes stone used to make cement and lime. (3) Sand and gravel includes silica and quartz.

(4) Crude ore from coal mines (includes coal and other associated rocks).

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

TABLE 34. CANADA, CRUDE MINERALS TRANSPORTED BY CANADIAN RAILWAYS, 2000-2004

	2000	2001	2002	2003 (r)	2004
(000 tonnes)					
METALLIC MINERALS					
Iron ores and concentrates	38 964	28 978	30 091	32 975	27 924
Nickel and nickel-copper ores and concentrates	2 351	2 543	2 343	1 674	2 187
Zinc ores and concentrates	1 158	1 119	1 105	1 355	1 296
Copper ores and concentrates	1 484	1 683	1 290	1 144	1 288
Lead ores and concentrates	1 030	570	571	410	327
Metallic ores and concentrates, n.e.s.	99	169	372	3 046	3 030
Subtotal	45 086	35 062	35 772	40 604	36 053
NONMETALLIC MINERALS					
Potash (KCl)	14 197	12 819	13 094	14 735	16 591
Sulphur	7 446	6 373	7 070	7 388	7 950
Salt	1 218	1 414	1 357	1 378	1 402
Phosphate rock	468	773	1 011	997	1 057
Sand, gravel and stone	3 026	3 006	2 939	3 030	2 936
Other nonmetallic minerals	5 575	5 466	5 715	5 277	6 083
Subtotal	31 930	29 851	31 186	32 805	36 020
MINERAL FUELS					
Coal	39 253	40 119	35 171	30 608	31 850
Subtotal	39 253	40 119	35 171	30 608	31 850
Total crude minerals	116 269	105 032	102 129	104 020	103 923
Total revenue freight (1) moved by Canadian railways	252 116	240 633	236 911	234 839	248 680
Crude minerals as a percentage of total revenue freight	46.1	43.6	43.1	44.3	41.8

Source: Statistics Canada, catalogue no. 52-001-XIE.

n.e.s. Not elsewhere specified; (r) Revised.

(a) Data are included with metallic ores and concentrates, n.e.s.

(1) Revenue freight refers to a local or interline shipment from which earnings accrue to a carrier.

TABLE 35. CANADA, PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 2000-2004

	2000	2001	2002	2003 (r)	2004
	(000 tonnes)				
METALLIC MINERAL PRODUCTS					
Alumina	5 107	5 520	5 909	5 850	6 325
Iron and steel, primary or semi-finished	3 650	3 826	4 432	4 035	5 197
Copper, primary or semi-finished	611	607	586	393	403
Aluminum, primary or semi-finished	1 460	1 977	2 116	2 276	2 179
Other nonferrous metals, primary or semi-finished	454	429	583	757	807
Articles of metal-based products	944	732	713	562	690
Metallic waste and scrap	2 022	1 968	2 174	2 403	2 476
Total metallic mineral products	14 248	15 059	16 493	16 275	18 076
NONMETALLIC MINERAL PRODUCTS					
Sulphuric acid	2 384	2 352	2 522	2 283	2 461
Fertilizers (excluding potash)	5 041	4 507	4 946	4 504	5 134
Cement	2 443	2 442	2 410	2 262	2 610
Other nonmetallic mineral products	828	1 149	1 505	452	594
Nonmetallic waste and scrap	..	(r) 829	(r) 604	515	461
Total nonmetallic mineral products	10 696	(r) 11 279	(r) 11 987	10 016	11 259
MINERAL FUEL PRODUCTS					
Gasoline and aviation turbine fuel	1 539	1 537	2 028	2 103	2 000
Fuel oils and crude petroleum	3 357	3 953	4 339	2 086	4 872
Gaseous hydrocarbons, including liquefied petroleum gases	4 451	4 421	4 955	4 991	4 944
Coal coke and petroleum coke	1 344	1 315	1 726	1 166	1 287
Other refined petroleum and coal products	1 994	2 090	2 319	2 181	2 586
Total mineral fuel products	12 685	13 317	15 368	15 528	15 689
Total processed mineral products	37 629	39 655	43 848	41 819	45 024
Total revenue freight (1) moved by Canadian railways	252 116	240 623	236 911	234 839	248 680
Processed mineral products as a percentage of total revenue freight	14.9	16.5	18.5	17.8	18.1

Source: Statistics Canada, catalogue no. 52-001-XIE.

.. Not available; (r) Revised.

(1) Revenue freight refers to a local or interline shipment from which earnings accrue to a carrier.

TABLE 36. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1961-2004

Year	Total Revenue Freight (1)	Total Crude Minerals	Total Processed Mineral Products	Total Crude and Processed Minerals	Crude Minerals and Processed Mineral Products as a Percentage of Revenue Freight
					(%)
	(million tonnes)				
1961	138.9	54.1	13.6	67.7	48.7
1962	146.0	60.3	13.8	74.1	50.8
1963	154.6	62.9	15.5	78.4	50.7
1964	180.0	74.6	15.9	90.5	50.3
1965	186.2	80.9	17.3	98.2	52.7
1966	194.5	80.6	17.8	94.4	50.6
1967	190.0	81.2	17.7	98.9	52.1
1968	195.4	86.7	18.8	105.5	54.0
1969	189.0	81.9	27.6	109.5	57.9
1970	211.6	97.5	28.4	125.9	59.5
1971	214.5	95.6	27.4	123.0	57.3
1972	215.8	89.4	27.6	117.0	54.2
1973	241.2	113.1	29.1	142.2	59.0
1974	246.3	115.3	30.9	146.2	59.4
1975	226.0	110.6	26.6	137.2	60.7
1976	238.5	116.6	25.5	142.1	59.6
1977	247.2	121.1	25.7	146.8	59.4
1978	238.8	107.7	26.2	133.9	56.1
1979	257.9	127.2	26.6	153.8	59.6
1980	254.4	124.8	24.6	149.4	58.7
1981	246.6	120.7	26.4	147.1	59.7
1982	212.5	95.7	21.0	116.7	54.9
1983	222.8	95.3	22.7	118.0	53.0
1984	254.6	121.1	25.1	146.2	57.4
1985	250.6	125.2	24.3	149.5	59.7
1986	249.8	121.2	23.0	144.2	57.7
1987	261.4	122.2	22.7	144.9	55.4
1988	269.4	134.9	23.2	158.1	58.7
1989	247.0	122.3	23.1	145.4	58.9
1990	226.3	112.1	20.1	132.2	58.4
1991	233.3	114.4	19.1	133.5	57.2
1992	226.2	102.8	20.9	123.7	54.7
1993	224.0	100.8	21.4	122.2	54.6
1994	253.6	112.6	21.4	134.0	52.9
1995	253.7	118.4	22.0	140.4	55.4
1996	252.1	118.1	21.6	139.7	55.4
1997	288.9	118.2	31.5	149.7	51.8
1998	279.5	113.7	37.2	150.9	54.0
1999	236.7	110.0	36.9	146.9	62.1
2000	252.1	116.3	37.6	153.9	61.0
2001 (r)	240.6	105.0	39.7	144.7	60.1
2002 (r)	236.9	102.1	43.8	145.9	61.6
2003 (r)	234.8	104.0	41.8	145.8	62.1
2004	248.7	103.9	45.0	148.9	59.9

Source: Statistics Canada, catalogue no. 52-001-XIE.

(r) Revised.

(1) Revenue freight refers to a local or interline shipment from which earnings accrue to a carrier.

Notes: In previous years, this table was calculated using Statistics Canada's annual data series. As of 1999, the annual data series was discontinued; therefore, the monthly data series is used for this table. Statistics for 1997 and 1998 have been recalculated using the monthly data series.

TABLE 37. CANADA, CRUDE MINERALS LOADED AND UNLOADED IN COASTWISE SHIPPING, 2001-03

	2001		2002		2003	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
(tonnes)						
METALLIC MINERALS						
Iron ore and concentrates	6 235 907	6 270 928	5 742 316	5 634 638	5 167 141	5 309 528
Aluminum ores and concentrates	—	—	—	—	—	—
Other ores and concentrates	2 798 422	2 798 422	2 310 404	2 310 404	2 447 649	2 447 649
Total metallic minerals	9 034 329	9 069 350	8 052 720	7 945 042	7 614 790	7 757 177
NONMETALLIC MINERALS						
Salt	3 220 302	3 199 148	3 290 386	3 311 540	3 329 748	3 329 748
Limestone	3 502 748	3 502 748	3 408 013	3 408 013	3 456 028	3 456 028
Stone, sand and gravel	3 562 373	3 562 373	3 127 619	3 107 330	3 016 221	3 036 510
Potash	20 759	20 759	97 336	97 336	64 385	64 385
Sulphur	—	—	—	—	1 062	1 062
Other mineral products (including clays, gypsum and dolomite)	695 956	1 223 599	1 601 207	1 618 770	1 437 511	1 471 173
Total nonmetallic mineral products	11 002 138	11 508 627	11 524 561	11 542 989	11 304 955	11 358 906
MINERAL FUELS						
Coal and coke	1 187 293	1 187 293	1 231 032	1 231 032	863 755	863 755
Crude petroleum	5 549 270	5 549 270	15 447 236	15 333 236	20 063 757	20 063 757
Total mineral fuels	6 736 563	6 736 563	16 678 268	16 564 268	20 927 512	20 927 512
Total crude minerals	26 773 030	27 314 540	36 255 549	36 052 299	39 847 257	40 043 595
Total all commodities (1)	53 938 988	53 902 809	62 780 285	62 626 289	68 076 021	68 296 773
Crude mineral products as a percentage of all commodities	49.6	50.7	57.7	57.6	58.5	58.6

Source: Statistics Canada.

— Nil.

(1) Includes metallic minerals, nonmetallic minerals and mineral fuels, along with all other cargo loaded and unloaded in coastwise shipping.

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

TABLE 38. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED IN COASTWISE SHIPPING, 2001-03

	2001		2002		2003	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
(tonnes)						
METALLIC MINERAL PRODUCTS						
Iron, steel and alloys	34 640	37 763	28 711	28 711	25 622	25 622
Other nonferrous metal products	—	—	—	—	—	—
Other base-metal products	310 627	308 219	236 144	236 144	344 037	344 037
Metallic waste and scrap	372 983	372 983	490 480	490 480	488 518	488 518
Total metallic mineral products	718 250	718 965	755 335	755 335	858 177	858 177
NONMETALLIC MINERAL PRODUCTS						
Cement and related products	458 817	453 334	538 506	543 989	580 231	580 231
Other nonmetallic minerals, n.e.s.	214 269	214 269	244 743	244 743	182 439	182 439
Nonmetallic waste and scrap	272 132	272 132	328 489	328 489	524 924	524 924
Total nonmetallic mineral products	945 218	939 735	1 111 738	1 117 221	1 287 594	1 287 594
MINERAL FUEL PRODUCTS						
Gasoline and aviation turbine fuel	2 406 985	2 417 091	2 208 718	2 215 636	2 163 405	2 163 405
Coke, petroleum and coal products	131 833	131 833	279 986	279 986	181 455	181 455
Other mineral fuels, n.e.s.	4 861 263	4 582 224	4 171 436	3 704 863	4 633 704	4 643 320
Total mineral fuel products	7 400 081	7 131 148	6 660 140	6 200 485	6 978 564	6 988 180
Total processed mineral products	9 063 549	8 789 848	8 527 213	8 073 041	9 124 335	9 133 951
Total all commodities (1)	53 938 988	53 902 809	62 780 285	62 626 289	68 076 021	68 296 773
Processed mineral products as a percentage of all commodities	16.8	16.3	13.6	12.9	13.4	13.4

Source: Statistics Canada.

— Nil; n.e.s. Not elsewhere specified.

(1) Includes metallic mineral products, nonmetallic mineral products and mineral fuel products, along with all other cargo loaded and unloaded in coastwise shipping.

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

TABLE 39. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN COASTWISE SHIPPING, 1961-2003

Year	Total All Commodities (1)	Total Crude Minerals	Total Processed Minerals	Total Crude and Processed Minerals	Crude Minerals and Processed Mineral Products as a Percentage of All Products
		(000 tonnes)			(%)
1961	41 861	9 527	8 857	18 384	43.9
1962	39 763	8 361	9 768	18 129	45.6
1963	40 328	7 998	9 942	17 940	44.5
1964	47 171	8 522	11 194	19 716	41.8
1965	48 200	9 183	11 766	20 949	43.5
1966	55 122	10 155	12 653	22 808	41.4
1967	49 799	11 509	12 207	23 716	47.6
1968	50 921	13 698	13 245	26 943	52.9
1969	51 890	12 746	14 181	26 927	51.9
1970	57 301	14 415	14 818	29 233	51.0
1971	55 128	14 783	15 374	30 157	54.7
1972	55 326	14 197	15 290	29 487	53.3
1973	55 314	16 573	15 615	32 188	58.2
1974	53 633	11 723	16 575	28 298	52.8
1975	54 373	15 687	17 510	33 197	61.1
1976	53 882	15 924	16 208	32 132	59.6
1977	58 309	18 131	17 435	35 566	61.0
1978	60 668	18 318	16 619	34 937	57.6
1979	79 950	22 130	17 486	39 616	49.6
1980	82 761	22 947	17 134	40 081	48.4
1981	71 271	17 849	16 669	34 518	48.4
1982	65 881	16 473	13 214	29 687	45.1
1983	67 598	21 248	12 025	33 273	49.2
1984	68 698	22 798	11 909	34 707	50.5
1985	61 717	19 867	10 291	30 158	48.9
1986	60 506	19 901	10 264	30 165	49.9
1987	67 572	20 969	11 118	32 087	47.5
1988	69 974	23 325	11 676	35 001	50.0
1989	62 016	22 963	11 825	34 788	56.1
1990	60 360	22 430	16 096	38 526	63.8
1991	58 430	19 624	10 370	29 994	51.3
1992	52 262	22 125	9 325	31 450	60.2
1993	49 976	21 088	8 168	29 256	58.5
1994	51 534	21 221	9 510	30 731	59.6
1995	50 370	20 626	8 825	29 451	58.5
1996	48 829	22 393	7 634	30 027	61.5
1997	46 639	20 298	7 461	27 759	59.5
1998	47 928	23 358	8 142	31 500	65.7
1999	50 791	25 076	7 556	32 632	64.2
2000 (r)	54 507	26 821	9 234	36 055	66.1
2001 (r)	53 939	26 773	9 064	35 837	66.4
2002	62 780	36 256	8 527	44 783	71.3
2003	68 076	39 847	9 124	48 971	71.9

Source: Statistics Canada.

(r) Revised.

(1) Includes metallic mineral products, nonmetallic mineral products and mineral fuel products, along with all other cargo loaded and unloaded in coastwise shipping.

TABLE 40. CANADA, CRUDE MINERALS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 2001-03

	2001		2002		2003	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
(tonnes)						
METALLIC MINERALS						
Iron ore and concentrates	22 658 213	5 650 994	25 207 533	6 865 384	29 913 618	6 705 192
Aluminum ores and concentrates	2 775	2 698 940	1 476	3 074 551	26 576	2 951 951
Lead and zinc ores and concentrates	..	..	..	..	..	..
Copper and nickel ores and concentrates	713 230	683 173	479 257	407 882	615 102	202 788
Other metallic ores and concentrates (1)	1 371 274	537 030	1 078 053	800 002	1 099 159	905 901
Total metallic minerals	24 745 492	9 570 137	26 766 319	11 147 819	31 654 455	10 765 832
NONMETALLIC MINERALS						
Limestone	1 583 142	2 420 994	2 252 960	2 703 229	2 857 426	2 316 202
Stone, sand and gravel	8 252 197	747 784	8 671 171	534 900	9 345 024	533 941
Salt	4 368 544	1 567 922	3 500 106	1 243 626	4 024 683	1 487 241
Sulphur	5 286 602	6 711	5 230 435	11 251	5 643 333	16 400
Potash	4 326 186	92	5 082 547	1 043	5 901 917	291
Other nonmetallic mineral products	7 268 700	1 396 951	8 437 533	1 403 493	7 333 029	1 463 752
Total nonmetallic minerals	31 085 371	6 140 454	33 174 752	5 897 542	35 105 412	5 817 827
MINERAL FUELS						
Coal and coke	28 508 272	25 083 445	24 615 308	21 751 385	26 122 208	21 542 669
Crude petroleum	11 193 726	32 173 380	15 265 900	28 423 170	21 478 444	34 284 802
Total mineral fuels	39 701 998	57 256 825	39 881 208	50 174 555	47 600 652	55 827 471
Total crude minerals	95 532 861	72 967 416	99 822 279	67 219 916	114 360 519	72 411 130
Total all commodities (1)	174 723 618	112 135 343	174 270 189	108 464 215	191 424 019	115 215 294
Crude minerals as a percentage of all commodities	54.7	65.1	57.3	62.0	59.7	62.8

Source: Statistics Canada.

– Nil; .. Not available; (r) Revised.

(1) Includes lead, zinc and other metallic ores and concentrates not specified.

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

TABLE 41. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, (1) 2001-03

	2001		2002		2003	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
(tonnes)						
METALLIC MINERAL PRODUCTS						
Iron, steel and alloys	578 232	2 135 667	650 216	3 473 699	959 018	2 357 685
Nonferrous metals, n.e.s.	1 117 190	5 600 392	1 023 505	6 054 058	1 049 697	6 474 464
Metallic waste and scrap	2 185 772	160 561	2 591 006	145 645	2 738 112	68 811
Total metallic mineral products	3 881 194	7 896 620	4 264 727	9 673 402	4 746 827	8 900 960
NONMETALLIC MINERAL						
Cement and related products	3 349 490	409 169	3 573 776	454 499	3 365 447	439 436
Other nonmetallic minerals, n.e.s.	517 662	788 646	863 490	1 028 112	954 454	1 072 183
Nonmetallic waste and scrap	318 652	145 259	416 231	154 020	693 492	166 453
Total nonmetallic mineral products	4 185 804	1 343 074	4 853 497	1 636 631	5 013 393	1 678 072
MINERAL FUEL PRODUCTS						
Gasoline	7 855 195	4 236 925	9 702 956	4 440 260	8 853 046	4 129 182
Fuel oil	7 355 125	4 483 354	7 689 238	3 033 027	8 500 740	4 381 974
Coke, petroleum and coal products	655 769	2 046 628	639 600	2 320 210	804 319	3 022 829
Other mineral fuels, n.e.s.	870 806	1 563 256	1 118 430	1 520 667	1 148 744	1 610 651
Total mineral fuel products	16 736 895	12 330 163	19 150 224	11 314 164	19 306 849	13 144 636
Total processed mineral products	24 803 893	21 569 857	28 268 448	22 624 197	29 067 069	23 723 668
Total all commodities (1)	174 723 618	112 135 343	174 270 189	108 464 215	191 424 019	115 215 294
Processed mineral products as a percentage of all commodities	14.2	19.2	16.2	20.9	15.2	20.6

Source: Statistics Canada.

n.e.s. Not elsewhere specified.

(1) Includes metallic mineral products, nonmetallic mineral products and mineral fuel products, along with all other cargo loaded and unloaded at Canadian ports.

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

**TABLE 42. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS
LOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 1961-2003**

Year	Total All Commodities (1)	Total Crude Minerals	Total Processed Minerals	Total Crude and Processed Minerals	Crude Minerals and Processed Mineral Products as a Percentage of All Products
					(%)
(000 tonnes)					(%)
1961	48 771	23 241	2 133	25 374	52.0
1962	54 676	30 446	2 296	32 742	59.9
1963	62 031	32 214	2 503	34 717	56.0
1964	75 760	42 087	2 602	44 689	59.0
1965	74 521	41 338	2 746	44 084	59.2
1966	76 192	41 374	3 350	44 724	58.7
1967	72 598	42 704	3 701	46 405	63.9
1968	78 663	48 680	2 960	51 640	65.6
1969	70 432	42 442	3 456	45 898	65.2
1970	95 807	55 849	4 965	60 814	63.5
1971	95 887	53 245	5 022	58 267	60.8
1972	98 988	51 912	9 091	61 003	61.6
1973	112 434	64 195	10 103	74 298	66.1
1974	106 110	64 093	9 041	73 134	68.9
1975	102 444	61 970	7 495	69 465	67.8
1976	114 815	71 527	6 108	77 635	67.6
1977	119 770	70 257	5 979	76 236	63.7
1978	116 522	62 291	7 556	69 847	59.9
1979	134 639	79 685	8 901	88 586	65.8
1980	138 161	67 898	11 770	79 668	57.7
1981	145 445	83 007	9 022	92 029	63.3
1982	125 282	65 594	7 115	72 709	58.0
1983	129 490	67 152	6 197	73 349	56.6
1984	145 322	82 752	7 986	90 738	62.4
1985	143 421	83 878	10 814	94 692	66.0
1986	144 561	84 720	8 303	93 023	64.3
1987	158 994	86 085	10 488	96 573	60.7
1988	171 064	98 934	12 227	111 161	65.0
1989	159 069	90 807	13 624	104 431	65.7
1990	159 039	88 504	15 107	103 611	65.1
1991	168 030	90 165	16 138	106 303	63.3
1992	153 786	78 600	14 643	93 243	60.6
1993	152 162	81 418	16 723	98 141	64.5
1994	169 463	94 423	15 725	110 148	65.0
1995	176 540	100 103	16 346	116 449	66.0
1996	174 306	96 952	18 580	115 532	66.3
1997	187 717	110 983	18 467	129 450	69.0
1998	178 893	107 719	16 419	124 138	69.4
1999	179 648	103 364	20 165	123 529	68.8
2000	187 704	106 577	20 220	126 797	67.6
2001	174 724	95 533	24 804	120 337	68.9
2002	174 270	99 822	28 268	128 090	73.5
2003	191 424	114 361	29 067	143 428	74.9

Source: Statistics Canada.

(1) Includes metallic mineral products, nonmetallic mineral products and mineral fuel products, along with all other cargo loaded and unloaded in coastwise shipping.

TABLE 43. CANADA, CAPITAL AND REPAIR EXPENDITURES BY SELECTED INDUSTRIAL SECTOR, 2003-05

Year	Capital Expenditures			Repair Expenditures			
	Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total	
(\$ millions)							
Agriculture, forestry, fishing and hunting	2003	1 471.0	3 093.6	4 564.6	817.1	2 762.0	3 579.1
	2004 (p)	1 416.1	3 052.1	4 468.2	..	..	..
	2005 (i)	1 466.2	3 161.6	4 627.7	..	..	..
Mining (1)	2003	24 588.2	5 815.6	30 403.8	883.9	2 644.4	3 528.2
	2004 (p)	27 458.1	6 174.6	33 632.7	..	..	..
	2005 (i)	30 910.3	6 832.7	37 743.0	..	..	..
Manufacturing	2003	2 870.6	16 644.3	19 514.9	1 219.3	9 652.0	10 871.2
	2004 (p)	2 304.1	16 929.4	19 233.5	..	..	..
	2005 (i)	2 232.9	19 860.8	22 093.7	..	..	..
Construction	2003	444.1	3 270.8	3 714.9	84.4	1 391.7	1 476.1
	2004 (p)	480.4	3 497.2	3 977.5	..	..	..
	2005 (i)	498.1	3 607.8	4 105.9	..	..	..
Transportation and warehousing	2003	3 543.1	6 638.9	10 182.0	1 431.0	4 264.2	5 695.2
	2004 (p)	3 547.8	6 898.3	10 446.1	..	..	..
	2005 (i)	4 056.9	7 386.1	11 443.0	..	..	..
Utilities	2003	8 534.4	3 774.0	12 308.3	1 262.7	1 404.4	2 667.1
	2004 (p)	9 338.8	4 235.7	13 574.5	..	..	..
	2005 (i)	10 610.9	4 746.5	15 357.4	..	..	..
Wholesale and retail trade	2003	3 877.8	6 784.5	10 662.4	612.1	1 221.6	1 833.7
	2004 (p)	2 851.6	7 277.4	11 028.9	..	..	..
	2005 (i)	3 858.3	7 419.6	11 277.7	..	..	..
Housing	2003	61 607.5	–	61 607.5	8 729.0	–	8 729.0
	2004 (p)	70 210.9	–	70 210.9	..	..	..
	2005 (i)	70 353.6	–	70 353.6	..	..	..
Total, all industries (2)	2003	136 763.6	88 086.1	224 849.7	21 620.5	28 883.3	50 503.9
	2004 (p)	150 501.8	93 369.6	243 871.4	..	..	..
	2005 (i)	158 843.3	99 767.0	258 610.3	..	..	..
Mining as a percentage of total	2003	18.0	6.6	13.5	4.1	9.2	7.0
	2004 (p)	18.2	6.6	13.8	..	..	..
	2005 (i)	19.5	6.8	14.6	..	..	..

Source: Statistics Canada.

– Nil; .. Not available; (i) Intentions; (p) Preliminary actual.

(1) Includes mines, quarries and oil wells. (2) Includes finance, real estate, insurance, commercial services, institutions and government departments.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the North American Industry Classification System.

TABLE 44. CANADA, CAPITAL AND REPAIR EXPENDITURES IN THE MINERAL INDUSTRY (1) BY PROVINCE AND TERRITORY, 2003-05

Province/ Territory	Year	Capital Expenditures			Repair Expenditures		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Newfoundland and Labrador	2003	1 149.7	348.1	1 497.8	x	x	x
	2004 (p)	1 321.4	506.0	1 827.4	..	..	..
	2005 (i)	1 102.7	687.2	1 789.9	..	..	..
Prince Edward Island	2003	x	x	x	x	x	x
	2004 (p)	x	x	x	..	..	..
	2005 (i)	x	x	x	..	..	..
Nova Scotia	2003	842.2	33.4	875.6	2.2	49.1	51.3
	2004 (p)	725.4	38.7	764.2	..	..	..
	2005 (i)	565.4	55.7	621.1	..	..	..
New Brunswick	2003	x	x	x	x	x	x
	2004 (p)	23.8	25.2	49.1	..	..	..
	2005 (i)	30.7	17.9	48.6	..	..	..
Quebec	2003	450.5	83.9	534.4	48.2	257.4	305.6
	2004 (p)	428.9	77.5	506.4	..	..	..
	2005 (i)	435.6	162.6	598.2	..	..	..
Ontario	2003	652.2	262.4	914.6	121.7	472.6	594.3
	2004 (p)	879.2	365.4	1 244.6	..	..	..
	2005 (i)	1 042.2	356.7	1 398.9	..	..	..
Manitoba	2003	223.7	61.6	285.4	3.0	46.6	49.6
	2004 (p)	162.4	33.6	196.0	..	..	..
	2005 (i)	180.2	39.2	219.4	..	..	..
Saskatchewan	2003	1 855.4	199.1	2 054.5	88.2	167.6	255.8
	2004 (p)	2 206.9	237.7	2 444.6	..	..	..
	2005 (i)	2 576.4	199.3	2 775.6	..	..	..
Alberta	2003	15 611.9	4 696.3	20 308.2	491.9	1 157.5	1 649.4
	2004 (p)	17 760.8	4 586.5	22 347.3	..	..	..
	2005 (i)	20 555.0	4 867.7	25 422.7	..	..	..
British Columbia	2003	3 220.3	89.0	3 309.3	100.0	302.3	402.3
	2004 (p)	3 098.4	173.7	3 272.1	..	..	..
	2005 (i)	3 276.2	171.2	3 447.5	..	..	..
Yukon	2003	14.4	1.5	16.0	0.1	1.5	1.6
	2004 (p)	41.1	1.2	42.3	..	..	..
	2005 (i)	49.7	1.4	51.2	..	..	..
Northwest Territories	2003	426.0	17.5	443.5	x	63.7	x
	2004 (p)	634.5	123.3	757.8	..	..	..
	2005 (i)	928.6	254.7	1 183.3	..	..	..
Nunavut	2003	x	x	x	x	x	x
	2004 (p)	x	x	x	x	x	x
	2005 (i)	x	x	x	x	x	x
Total Canada	2003	24 588.2	5 815.6	30 403.8	883.9	2 644.4	3 528.2
	2004 (p)	27 458.1	6 174.6	33 632.7	..	..	..
	2005 (i)	30 910.3	6 832.7	37 743.0	..	..	..

Source: Statistics Canada.

.. Not available; (i) Intentions; (p) Preliminary actual; x Confidential.

(1) Includes mines, quarries and oil wells.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the North American Industry Classification System.

TABLE 45. CANADA, CAPITAL AND REPAIR EXPENDITURES IN THE MINING AND OIL AND GAS EXTRACTION INDUSTRIES, 2003-05

	2003			2004 (p)	2005 (i)
	Capital	Repair	Total	Capital	Capital
	(\$ millions)				
MINING					
Metal ore mining					
Iron	x	x	x	x	x
Gold and silver	560.5	248.8	809.3	507.6	552.4
Lead-zinc	x	x	x	x	x
Nickel-copper	x	x	x	x	x
Copper-zinc	271.3	166.7	438.1	271.8	275.4
Uranium	x	x	x	x	x
Other metal mines	20.0	41.3	61.3	51.7	115.0
Total	1 594.1	1 006.7	2 600.8	2 016.3	2 252.9
Nonmetallic mineral mining and quarrying					
Stone	72.3	90.4	162.6	98.3	98.4
Sand and gravel, clay, and ceramic and refractory materials	113.4	99.0	212.4	167.8	142.1
Asbestos	x	x	x	x	x
Gypsum	29.0	17.3	46.4	20.7	18.2
Potash	97.6	99.2	196.8	211.7	145.5
Peat	x	x	x	x	x
Other nonmetal mines	161.5	101.9	263.4	392.5	776.1
Total	116.4	198.1	314.4	128.0	152.5
Coal	116.4	198.1	314.4	128.0	152.5
Oil and gas extraction	26 516.1	1 375.7	27 891.8	28 700.1	32 138.6
Support activities for mining and oil and gas extraction	1677.1	511.9	2 189.0	1 886.8	1 996.9
Total mineral industry	30 403.8	3 528.2	33 932.1	33 632.7	37 743.0

Source: Statistics Canada.

(i) Intentions; (p) Preliminary actual; x Confidential.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the North American Industry Classification System.