

# Statistical Report

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**T**his 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.

*(Note to Reader: 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 Laurie Morrison at tel. (613) 992-6767 or e-mail [lmorriso@nrca.gc.ca](mailto:lmorriso@nrca.gc.ca) to provide your input.)*

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TABLE 1. MINERAL PRODUCTION OF CANADA, 1998-2001

	Unit	1998		1999		2000		2001		
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)	(\$000)
<b>METALS</b>										
Antimony	kg	359	845	357	733	364	781	234	516	
Bismuth	kg	186	2 078	217	2 402	202	2 343	258	3 163	
Cadmium	kg	1 179	1 104	1 115	647	934	501	1 058	801	
Calcium	kg	x	x	x	x	x	x	x	x	
Cesium, pollucite	kg	x	x	x	x	x	x	x	x	
Cobalt	kg	2 262	158 643	2 014	112 285	2 022	100 372	2 048	78 170	
Columbium (niobium)	kg	2 194	x	2 313	x	2 183	x	2 850	x	
Copper	kg	690 761	1 695 820	581 582	1 366 138	621 888	1 684 075	611 159	1 520 566	
Germanium	kg	x	x	x	x	x	x	x	x	
Gold	g	164 773	2 312 593	157 617	2 099 302	153 715	2 044 869	157 853	2 112 397	
Ilmenite	t	x	x	x	x	x	x	x	x	
Indium	g	x	x	x	x	x	x	x	x	
Iron ore	t	36 586	1 646 419	33 789	1 303 667	35 247	1 424 448	26 981	1 155 187	
Iron, remelt	t	x	x	x	x	x	x	x	x	
Lead	kg	150 019	117 615	155 369	115 905	143 303	96 586	149 429	108 336	
Lithium	kg	x	x	x	x	x	x	x	x	
Magnesium	kg	x	x	x	x	x	x	x	x	
Molybdenum	kg	8 099	98 752	6 250	59 558	6 980	62 736	8 540	77 054	
Nickel	kg	197 947	1 411 167	176 749	1 591 805	181 138	2 323 827	183 643	1 763 340	
Platinum group	g	14 033	214 883	13 872	250 466	15 304	478 460	18 154	568 758	
Selenium	kg	398	2 960	359	2 677	335	4 053	261	3 122	
Silver	kg	1 140	301 089	1 174	294 516	1 169	278 966	1 224	267 897	
Tantalum	kg	70	9 863	66	9 304	70	10 030	94	13 616	
Tellurium	kg	62	742	64	710	53	341	60	384	
Uranium	kg	9 992	508 038	10 157	525 873	9 921	473 231	12 992	675 594	
Zinc	kg	991 583	1 507 208	963 320	1 540 350	935 713	1 567 320	1 009 570	1 416 428	
Total metals		..	10 429 061	..	9 703 890	..	10 980 027	..	10 245 404	
<b>NONMETALS</b>										
Asbestos	t	321	167 386	337	161 000	310	141 670	294	132 200	
Barite	t	86	9 142	67	6 900	21	4 659	24	4 934	
Cement	t	12 124	1 147 757	12 625	1 230 972	12 612	1 258 697	12 986	1 312 450	
Clay products		..	135 814	..	164 718	..	175 380	..	195 217	
Diamonds	carats	203	40 775	2 429	606 254	2 435	624 949	3 685	846 925	
Gemstones	kg	159	631	218	602	221	1 224	117	685	
Graphite	t	x	x	x	x	x	x	x	x	
Gypsum	t	8 307	94 349	9 345	106 634	8 572	105 655	8 119	96 436	
Lime	t	2 461	214 966	2 565	238 893	2 525	237 601	2 221	212 435	
Magnesitic dolomite	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	636	53 405	676	57 400	717	62 376	734	64 439	
Peat	t	1 125	166 542	1 253	181 903	1 277	173 958	1 187	167 889	
Phosphates	t	-	-	x	x	x	x	x	x	
Potash	t	8 884	1 747 985	8 475	1 634 041	9 033	1 644 196	8 184	1 581 526	
Potassium sulphate	t	x	x	x	x	x	x	x	x	
Pumice	t	x	x	x	x	x	x	x	x	
Quartz	t	1 771	41 849	1 461	39 415	1 508	41 239	1 567	41 350	
Salt	t	13 034	390 677	12 686	373 619	12 164	352 108	13 548	449 508	
Sand and gravel	t	225 337	875 226	243 251	960 785	238 901	971 159	225 991	953 181	
Serpentine	t	x	x	x	x	x	x	x	x	
Soapstone, talc and pyrophyllite	t	72	15 545	79	21 108	85	25 476	55	16 645	
Sodium sulphate	t	258	27 080	x	x	x	x	x	x	
Stone	t	108 924	727 947	109 184	775 499	118 335	882 343	119 805	884 081	
Sulphur in smelter gas	t	836	55 451	843	57 851	831	56 643	832	35 498	
Sulphur, elemental	t	8 404	62 109	8 656	96 969	8 621	92 411	8 080	1 171	
Titanium dioxide	t	x	x	x	x	x	x	x	x	
Tremolite	t	x	x	x	x	x	x	x	x	
Wollastonite	t	x	x	x	x	x	x	x	x	
Zeolite	t	x	x	x	x	x	x	x	x	
Total nonmetals		..	6 527 184	..	7 332 909	..	7 427 529	..	7 552 306	
<b>MINERAL FUELS</b>										
Coal	t	75 360	1 764 770	72 497	1 474 495	69 163	1 427 366	70 361	1 546 798	
Natural gas	000 m <sup>3</sup>	160 514	10 893 493	162 218	14 192 201	167 790	27 827 727	171 966	33 814 851	
Natural gas by-products	m <sup>3</sup>	26 665	1 763 072	28 805	2 534 713	30 543	5 660 657	29 789	4 681 739	
Petroleum	m <sup>3</sup>	128 401	12 940 149	122 247	18 698 282	127 809	30 523 595	130 526	25 941 288	
Total fuels		..	27 361 484	..	36 899 691	..	65 439 345	..	65 984 676	
Total all minerals		..	44 317 729	..	53 936 491	..	83 846 901	..	83 782 386	

Sources: Natural Resources Canada; Statistics Canada.

- Nil; .. 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, 1973-2001**

Year	Value of Mineral Production				Per Capita Value of Mineral Production	Population of Canada
	Metals	Nonmetals (including structural materials)	Fuels	Total		
1973	3 947	1 293	3 227	8 467	375.31	22 560
1974	4 934	1 731	5 202	11 867	518.78	22 875
1975	5 022	1 898	6 653	13 574	584.86	23 209
1976	5 344	2 273	8 109	15 726	668.68	23 518
1977	6 031	2 612	9 873	18 516	778.11	23 796
1978	5 746	2 989	11 578	20 313	845.11	24 036
1979	8 006	3 516	15 117	26 638	1 097.25	24 277
1980	9 777	4 155	17 944	31 875	1 296.10	24 593
1981	8 841	4 491	19 046	32 378	1 300.32	24 900
1982	6 953	3 841	23 038	33 831	1 342.39	25 202
1983	7 528	3 857	27 154	38 539	1 513.95	25 456
1984	8 897	4 493	30 399	43 789	1 703.72	25 702
1985	8 745	4 864	31 120	44 730	1 724.23	25 942
1986	8 819	4 864	18 763	32 446	1 238.21	26 204
1987	10 962	5 125	20 274	36 361	1 369.53	26 550
1988	13 608	5 574	17 773	36 955	1 374.05	26 895
1989	13 982	5 566	19 785	39 333	1 436.61	27 379
1990	12 500	5 289	22 990	40 778	1 467.31	27 791
1991	10 462	4 783	19 945	35 190	1 251.42	28 120
1992	10 210	4 473	20 901	35 584	1 246.72	28 542
1993	8 871	4 459	23 214	36 545	1 262.48	28 947
1994	9 750	5 192	26 243	41 185	1 418.41	29 036
1995	12 173	5 436	25 759	43 367	1 477.38	29 354
1996	11 697	5 408	32 581	49 687	1 674.54	29 672
1997	11 549	5 912	33 077	50 538	1 685.33	29 987
1998	10 429	6 527	27 361	44 318	1 465.20	30 247
1999	9 704	7 333	36 900	53 936	1 768.92	30 491
2000	10 980	7 428	65 439	83 847	2 726.73	30 750
2001 (p)	10 245	7 552	65 985	83 782	2 695.52	31 082

Sources: Natural Resources Canada; Statistics Canada.

(p) Preliminary.

Notes: Beginning in 1986, bentonite, diatomite and sodium antimonate are reported in industrial minerals.

Numbers may not add to totals due to rounding.

**TABLE 3. CANADA, VALUE OF MINERAL PRODUCTION BY PROVINCE, TERRITORY AND MINERAL CLASS, 2001<sup>(p)</sup>**

Province/Territory	Metals		Nonmetals		Mineral Fuels		Total	
	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)
Newfoundland and Labrador	788 835	7.7	42 918	0.6	1 971 355	3.0	2 803 108	3.3
Prince Edward Island	—	—	4 586	0.1	—	—	4 586	...
Nova Scotia	—	—	238 730	3.2	1 176 444	1.8	1 415 174	1.7
New Brunswick	562 326	5.5	207 090	2.7	19 781	0.0	789 197	0.9
Quebec	2 157 584	21.1	1 332 617	17.6	—	—	3 490 201	4.2
Ontario	3 388 065	33.1	2 116 194	28.0	130 485	0.2	5 634 744	6.7
Manitoba	823 884	8.0	78 137	1.0	145 661	0.2	1 047 682	1.3
Saskatchewan	699 532	6.8	1 601 718	21.2	5 674 605	8.6	7 975 855	9.5
Alberta	258	...	559 791	7.4	49 272 437	74.7	49 832 486	59.5
British Columbia	1 411 796	13.8	515 800	6.8	7 101 196	10.8	9 028 792	10.8
Yukon	39 698	0.4	3 428	...	54 535	0.1	97 661	0.1
Northwest Territories	54 208	0.5	851 297	11.3	438 177	0.7	1 343 682	1.6
Nunavut	319 217	3.1	—	—	—	—	319 217	0.4
Total	10 245 404	100.0	7 552 306	100.0	65 984 676	100.0	83 782 386	100.0

Sources: Natural Resources Canada; Statistics Canada.

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

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

**TABLE 4. CANADA, VALUE OF MINERAL PRODUCTION BY PROVINCE AND TERRITORY, 1994-2001**

Province/Territory	1994	1995	1996	1997	1998	1999 (r)	2000	2001 (p)
(\$ millions)								
Alberta	21 119	20 676	26 218	26 671	21 886	29 230	49 967	49 832
Saskatchewan	4 225	4 580	5 331	5 508	4 796	5 997	8 415	7 976
British Columbia	4 066	4 501	4 340	4 681	4 466	4 538	7 901	9 029
Ontario	4 921	5 825	5 718	5 615	5 044	5 222	5 867	5 634
Quebec	2 956	3 338	3 415	3 437	3 560	3 657	3 653	3 490
Newfoundland and Labrador	837	878	906	1 038	1 539	1 818	3 170	2 803
Manitoba	820	1 022	1 002	1 126	967	907	1 234	1 048
Nova Scotia	608	560	593	481	453	380	1 193	1 415
Northwest Territories	680	766	781	799	585	893	1 165	1 344
New Brunswick	862	1 021	955	953	863	851	773	789
Nunavut	n.a.	n.a.	n.a.	n.a.	n.a.	349	385	319
Yukon	86	196	426	225	150	89	118	98
Prince Edward Island	3	4	4	3	6	7	5	5
<b>Total</b>	<b>41 185</b>	<b>43 367</b>	<b>49 687</b>	<b>50 538</b>	<b>44 318</b>	<b>53 936</b>	<b>83 847</b>	<b>83 782</b>

Sources: Natural Resources Canada; Statistics Canada.

n.a. Not applicable; (p) Preliminary; (r) Revised.

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

**TABLE 5. CANADA'S WORLD ROLE AS A PRODUCER OF CERTAIN IMPORTANT MINERALS, 2000<sup>(p)</sup>**

	World	Rank of Five Leading Countries					
		1	2	3	4	5	
Potash (K <sub>2</sub> O equivalent) (mine production)	000 t % of world total	26 580	<b>Canada</b> 9 409 35.4	C.I.S. 7 098 26.7	Germany 3 409 12.8	Israel 1 748 6.6	United States 1 350 5.1
Uranium (U concentrates) (mine production)	t % of world total	34 802	<b>Canada</b> (a) 10 680 30.7	Australia 7 588 21.8	Niger 2 898 8.3	Namibia 2 713 7.8	Uzbekistan 2 350 6.8
Asbestos (mine production)	000 t % of world total	1 885	C.I.S. 700 37.1	<b>Canada</b> 320 17	China 300 15.9	Brazil 170 9	Zimbabwe 130 6.9
Nickel (mine production)	000 t % of world total	1 196	Russia 235 19.6	<b>Canada</b> 191 15.9	Australia 168 14.1	New Caledonia 128 10.7	Indonesia 98 8.2
Titanium concentrate	000 t % of world total	7 257	Australia 2 420 33.3	South Africa 1 220 16.8	<b>Canada</b> 950 13.1	Norway 610 8.4	Ukraine 577 7.9
Zinc (mine production)	000 t % of world total	8 718	China 1 710 19.6	Australia 1 410 16.2	<b>Canada</b> 997 11.4	Peru 910 10.4	United States 829 9.5
Cadmium (refined production)	t % of world total	19 759	Japan 2 472 12.5	China 2 200 11.1	<b>Canada</b> 2 024 10.2	South Korea 1 911 9.7	United States 1 890 9.6
Gypsum (mine production)	000 t % of world total	109 156	United States 25 000 22.9	Iran 9 750 8.9	<b>Canada</b> 9 006 8.3	China 9 000 8.2	Spain 7 500 6.9
Platinum group metals (mine production)	kg % of world total	365 687	South Africa 201 844 55.2	Russia 128 100 35	<b>Canada</b> 15 439 4.2	United States 13 410 3.7	Japan 5 494 1.5
Cobalt (shipments)	t % of world total	33 383	Zambia 7 000 21	Russia 4 500 13.5	Brazil 4 100 12.3	<b>Canada</b> 4 091 12.3	Cuba 3 095 9.3
Aluminum (primary metal)	000 t % of world total	24 624	United States 3 668 14.9	Russia 3 247 13.2	China 2 989 12.1	<b>Canada</b> 2 374 9.6	Australia 1 762 7.2
Molybdenum (Mo content) (mine production)	t % of world total	129 873	United States 41 100 31.6	Chile 29 100 22.4	China 28 900 22.3	<b>Canada</b> 7 458 5.7	Peru 7 193 5.5
Gold (mine production)	t % of world total	2 559	South Africa 431 16.8	United States 353 13.8	Australia 297 11.6	China 178 7	<b>Canada</b> 156 6.1
Salt (mine production)	000 t % of world total	209 554	United States 45 300 21.6	China 30 000 14.3	Germany 15 800 7.5	India 14 500 6.9	<b>Canada</b> 12 054 5.8
Lead (mine production)	000 t % of world total	3 008	Australia 678 22.5	China 570 18.9	United States 468 15.6	Peru 271 9	<b>Canada</b> 149 4.9
Copper (mine production)	000 t % of world total	13 191	Chile 4 602 34.9	United States 1 443 10.9	Indonesia 1 005 7.6	Australia 829 6.3	<b>Canada</b> 634 4.8

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

C.I.S. Commonwealth of Independent States; (p) Preliminary.

(a) Includes uranium (tU) recovered by Elliot Lake producers from refinery/conversion facility wastes.

**TABLE 6. CANADA, GROSS DOMESTIC PRODUCT OF INDUSTRIAL PRODUCTION, MINING AND MINERAL MANUFACTURING AT BASIC PRICES IN 1997 CONSTANT DOLLARS, 1997-2001**

	1997	1998	1999	2000	2001
	(\$ millions)				
Total industrial production (1)	202 902	209 820	221 560	233 830	226 984
Total mining and oil and gas extraction (2)	33 935	34 200	33 453	36 125	36 703
<b>METALS</b>					
Iron ore mining	647	621	523	608	485
Gold and silver ore mining	1 301	1 420	1 387	1 393	1 434
Copper, nickel, lead and zinc mining	2 662	2 796	2 539	2 548	2 612
Other metal ore mining	417	386	289	372	437
<b>MINERAL FUELS</b>					
Oil and gas extraction	21 203	21 822	21 536	22 433	22 661
<b>NONMETALS</b>					
Miscellaneous nonmetals (including asbestos) mining	362	373	638	617	707
Potash mining	1 038	956	867	957	845
Salt mining	243	219	204	195	231
Coal mining	1 209	1 180	1 138	1 078	1 117
Quarries and sand pits	821	841	870	919	892
<b>SUPPORT ACTIVITIES FOR MINING AND OIL AND GAS EXTRACTION</b>					
	4 032	3 586	3 462	5 005	5 282
<b>MINERAL MANUFACTURING</b>					
Primary metals	9 586	10 433	10 632	10 798	10 599
Iron and steel mills and ferro-alloys	3 142	3 465	3 630	3 615	3 421
Steel product manufacturing (from purchased steel)	1 192	1 140	1 172	1 240	1 170
Alumina and aluminum	2 088	2 451	2 492	2 475	2 644
Nonferrous metals (except aluminum)	1 865	2 058	2 035	2 127	2 108
Foundries	1 299	1 319	1 303	1 341	1 256
Nonmetallic mineral products	3 789	4 158	4 530	4 606	4 622
Clay products and refractory manufacturing	282	271	297	282	254
Glass and glass products manufacturing	838	1 108	1 259	1 386	1 355
Cement and concrete products manufacturing	1 774	1 815	1 912	1 973	2 017
Ready-mix concrete manufacturing	572	585	582	588	615
Lime and gypsum products manufacturing	407	419	441	357	406
Other nonmetallic mineral products manufacturing	488	545	621	608	590
Fabricated metal products	9 327	9 885	10 569	11 230	11 073
Petroleum and coal products	1 657	1 763	1 877	1 868	1 941

Sources: Natural Resources Canada; Statistics Canada.

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

**TABLE 7. CANADA, GROSS DOMESTIC PRODUCT BY INDUSTRY AT BASIC PRICES IN 1997 CONSTANT DOLLARS, 1997-2001**

	1997	1998	1999	2000	2001
	(\$ millions)				
Gross domestic product, all industries	816 906	848 364	889 367	929 556	939 901
Agriculture	12 767	13 884	14 545	14 174	12 899
Fishing, hunting and trapping	847	842	848	848	925
Forestry and logging	5 564	5 549	6 226	6 454	6 139
Support activities for agriculture and forestry	1 249	1 376	1 407	1 386	1 353
Mining and oil and gas extraction	33 935	34 200	33 453	36 125	36 703
Manufacturing	142 282	149 625	161 130	169 471	162 713
Construction	42 995	43 974	46 384	48 534	50 238
Transportation and warehousing	40 337	41 009	42 738	44 658	43 394
Information and culture	27 979	30 228	34 845	39 760	43 770
Electric power, gas and water utilities	26 685	25 995	26 977	28 234	27 568
Trade, wholesale	43 723	46 973	52 699	55 659	56 131
Trade, retail	42 281	45 231	47 475	49 820	51 334
Finance, insurance and real estate	161 137	166 469	171 724	177 925	183 902
Community, business and personal services	185 643	193 505	198 520	205 499	209 959
Public administration	49 482	49 504	50 396	51 009	52 873

Source: Statistics Canada.

**TABLE 8. CANADA, STAGE I TO IV, DOMESTIC EXPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1999-2001**

	Unit of Measure	1999		2000		2001 (p)	
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)
<b>METALS</b>							
Aluminum	..	..	7 196 292	..	8 002 634	..	8 213 288
Antimony	kg	58	491	62	447	90	505
Bismuth	kg	188	2 102	281	3 038	98	1 070
Cadmium	kg	2 231	3 789	2 172	4 170	1 478	5 052
Calcium metal	kg	1 975	2 650	1 355	2 612	732	1 563
Chromium	kg	6 478	29 914	6 715	30 056	6 777	29 403
Cobalt	kg	6 545	295 527	5 322	237 628	5 364	196 437
Copper	..	..	2 068 636	..	2 604 826	..	2 522 439
Gold	..	..	2 811 460	..	2 588 960	..	2 281 056
Iron and steel	..	..	9 813 372	..	11 045 183	..	10 349 324
Iron ore	t	26 477	1 052 194	26 388	1 056 226	21 981	942 909
Lead	..	..	280 242	..	277 662	..	238 786
Magnesium and magnesium compounds	kg	118 088	251 656	123 286	232 763	111 770	200 727
Molybdenum	kg	10 688	47 480	10 681	48 704	13 447	56 243
Nickel	..	..	1 697 634	..	2 537 863	..	2 249 076
Platinum group metals	..	..	204 003	..	344 690	..	354 532
Silver	..	..	488 117	..	466 761	..	449 779
Tin	..	..	11 818	..	11 837	..	9 250
Titanium metal	kg	34 140	39 664	90 037	16 880	57 015	23 407
Uranium and thorium	..	..	719 140	..	622 537	..	920 852
Zinc	kg	1 029 258	1 587 855	1 041 821	1 670 417	1 069 698	1 307 652
Other metals	..	..	4 986 188	..	6 384 736	..	5 730 814
Total metals	..	..	33 590 224	..	38 190 630	..	36 084 164
<b>NONMETALS</b>							
Asbestos	..	..	271 021	..	261 061	..	246 829
Barite and witherite	t	16	6 061	11	3 995	8	3 147
Cement	..	..	735 696	..	746 752	..	811 323
Clay and clay products	..	..	45 577	..	51 457	..	46 170
Diamonds	..	..	559 734	..	672 336	..	722 762
Graphite	..	..	106 060	..	84 431	..	55 977
Gypsum	..	..	461 821	..	286 578	..	269 837
Lime	kg	96 058	13 214	80 630	11 436	93 516	15 321
Mica	t	24	14 214	25	14 651	20	12 514
Nepheline syenite	t	331	48 959	377	52 130	358	51 378
Peat	..	..	331 380	..	330 141	..	318 143
Potash and potassium compounds	kg	14 361 803	2 109 106	15 140 910	2 428 565	13 600 424	2 221 384
Salt and sodium compounds	t	4 862	492 253	4 576	491 775	5 773	639 396
Sand and gravel	t	2 874	25 713	3 185	29 902	4 121	41 452
Silica and silica compounds	..	..	22 179	..	22 519	..	28 671
Stones	..	3 121	154 268	3 487	185 047	3 221	141 559
Sulphur and sulphur compounds	t	6 050	322 093	5 796	335 606	3 990	221 636
Talc, soapstone and pyrophyllite	t	44	17 723	59	22 885	46	20 053
Titanium oxides	kg	82 287	212 456	70 587	187 044	63 539	175 012
Other nonmetals	..	..	3 103 959	..	3 981 778	..	4 053 345
Total nonmetals	..	..	9 053 487	..	9 453 337	..	9 284 586
<b>FUELS</b>							
Coal and coke	t	34 270	2 044 336	32 771	1 872 673	29 863	1 985 087
Natural gas	000m <sup>3</sup>	95 121	10 951 393	101 145	20 555 588	108 729	25 510 285
Natural gas by-products	000m <sup>3</sup>	8	977 309	12	1 816 085	9	2 022 119
Petroleum	..	..	14 993 573	..	27 571 416	..	24 977 546
Other fuels	kg	170 991	251 246	209 086	300 526	226 926	309 368
Total fuels	..	..	29 217 857	..	52 116 288	..	54 804 405
Total mining domestic exports (Including fuels)	..	..	71 861 568	..	99 760 255	..	100 173 155
Total economy domestic exports	..	..	331 346 517	..	385 330 559	..	373 447 193

Sources: Natural Resources Canada; Statistics Canada.

.. Not available or not applicable; (p) Preliminary

Note: Totals may not add due to rounding.



**TABLE 9. CANADA, STAGE I TO STAGE IV, IMPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1999-2001**

	Unit of Measure	1999		2000		2001 (p)	
		(000)	(quantity)	(\$000)	(quantity)	(\$000)	(quantity)
<b>METALS</b>							
Aluminum	..	..	4 448 112	..	5 009 047	..	4 866 712
Antimony	kg	2 625	8 462	2 654	8 497	2 332	7 240
Bismuth	kg	182	1 564	424	2 640	319	2 399
Cadmium	kg	62	836	75	1 217	56	1 051
Calcium metal	kg	101 566	48 476	122 691	51 652	85 442	45 679
Chromium	kg	98 994	80 908	69 900	79 201	60 989	69 721
Cobalt	kg	1 190	37 561	1 540	49 331	1 906	41 284
Copper	..	..	1 663 186	..	3 350 352	..	1 827 701
Gold	..	..	1 059 400	..	954 657	..	808 183
Iron and steel	..	..	15 455 237	..	17 131 354	..	15 058 254
Iron ore	t	6 950	355 665	6 618	364 182	5 961	340 313
Lead	..	..	392 657	..	468 186	..	382 435
Magnesium and magnesium compounds	kg	200 131	211 588	240 155	192 772	177 991	176 557
Molybdenum	kg	5 040	39 405	5 030	38 494	3 973	33 084
Nickel	..	..	294 682	..	396 371	..	349 996
Platinum group metals	g	1 549 407	181 782	2 106 669	378 022	2 264 344	415 968
Silver	..	..	134 301	..	150 552	..	154 167
Tin	..	..	73 301	..	70 891	..	55 828
Titanium metal	kg	7 876	68 302	11 745	151 819	12 013	107 704
Uranium and thorium	..	..	295 282	..	252 757	..	243 147
Zinc	..	..	262 339	..	269 191	..	198 274
Other metals	..	..	11 142 854	..	12 356 157	..	11 939 723
Total metals	..	..	36 255 900	..	41 727 342	..	37 125 420
<b>NONMETALS</b>							
Asbestos	..	..	102 952	..	103 143	..	93 968
Barite and witherite	t	56	7 164	58	6 679	80	9 290
Cement	..	..	210 954	..	233 623	..	242 217
Clay and clay products	..	..	893 012	..	977 008	..	998 869
Diamonds	..	..	295 821	..	342 587	..	298 868
Graphite	..	..	506 366	..	472 395	..	413 874
Gypsum	..	..	48 199	..	48 258	..	61 576
Lime	kg	54 535	7 723	62 296	8 067	94 319	11 866
Mica	t	5	13 169	7	12 790	7	13 604
Nepheline syenite	t	..	13	..	2	..	6
Peat	..	..	1 814	..	1 219	..	1 735
Potash and potassium compounds	kg	106 865	37 353	130 741	38 753	122 083	41 548
Salt and sodium compounds	t	2 394	318 425	2 270	348 261	3 040	405 662
Sand and gravel	t	3 078	18 187	2 956	17 679	2 414	14 878
Silica and silica compounds	..	..	196 131	..	217 301	..	202 168
Stones	..	4 304	135 401	4 373	138 690	5 199	173 453
Sulphur and sulphur compounds	t	196	21 213	221	24 184	227	25 608
Talc, soapstone and pyrophyllite	t	58	14 533	62	15 497	69	17 858
Titanium oxides	kg	111 962	276 440	98 603	261 903	89 187	237 919
Other nonmetals	..	..	4 403 218	..	5 009 467	..	4 901 162
Total nonmetals	..	..	7 508 088	..	8 277 506	..	8 166 129
<b>FUELS</b>							
Coal and coke	t	20 933	1 116 475	20 786	1 171 592	20 831	1 262 995
Natural gas	000m <sup>3</sup>	630	87 885	1 201	228 763	1 283	386 186
Natural gas by-products	000m <sup>3</sup>	..	71 309	1	146 207	..	91 471
Petroleum	..	..	9 777 862	..	17 306 251	..	16 595 355
Other fuels	..	..	509 103	..	530 410	..	578 850
Total fuels	..	..	11 562 634	..	19 383 223	..	18 914 857
Total mining imports (including fuels)			55 326 622		69 388 071		64 206 406
Total economy imports			320 260 998		356 717 542		343 002 846

Sources: Natural Resources Canada; Statistics Canada.

.. Not available or not applicable; ... Amount too small to be expressed; (p) Preliminary.

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

**TABLE 10. CANADA, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, EXPORTS BY COMMODITY, BY DESTINATION, 2001**

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
<b>METALS</b>						
Aluminum	7 286 047	412 123	267 931	26 706	220 481	8 213 288
Antimony	468	21	—	—	16	505
Bismuth	447	436	158	—	29	1 070
Cadmium	3 270	739	346	—	697	5 052
Calcium metal	399	841	78	—	245	1 563
Chromium	29 191	—	175	—	37	29 403
Cobalt	38 656	61 061	31 922	56	64 742	196 437
Copper	1 854 110	116 340	279 808	9 841	262 340	2 522 439
Gold	2 028 156	176 792	20 378	10 828	44 902	2 281 056
Iron and steel	9 809 337	152 670	14 741	94 747	277 829	10 349 324
Iron ore	206 602	487 510	25 790	—	223 007	942 909
Lead	190 458	36 258	166	896	11 008	238 786
Magnesium and magnesium compounds	145 593	40 249	4 414	195	10 276	200 727
Molybdenum	15 981	13 109	16 707	—	10 446	56 243
Nickel	654 183	613 439	31 091	73	950 290	2 249 076
Platinum group metals	143 331	211 181	—	...	20	354 532
Silver	379 977	38 931	26 538	—	4 333	449 779
Tin	8 436	627	59	—	128	9 250
Titanium metal	19 461	2 503	—	—	1 443	23 407
Uranium and thorium	521 857	212 973	754	1 146	184 122	920 852
Zinc	865 351	298 660	19 757	134	123 750	1 307 652
Other metals	4 924 254	404 311	160 299	18 639	223 311	5 730 814
Total metals	29 125 565	3 280 774	901 112	163 261	2 613 452	36 084 164
<b>NONMETALS</b>						
Asbestos	93 559	10 708	28 877	7 400	106 285	246 829
Barite and witherite	2 954	97	—	—	96	3 147
Cement	725 380	2 861	2 171	—	5 284	735 696
Clay and clay products	33 917	7 659	256	2	4 336	46 170
Diamonds	26 636	695 875	21	—	230	722 762
Graphite	47 841	3 028	23	—	5 085	55 977
Gypsum	268 181	331	141	—	1 184	269 837
Lime	15 305	1	—	—	15	15 321
Mica	10 133	616	1 384	1	380	12 514
Nepheline syenite	43 903	1 916	1 109	79	4 371	51 378
Peat	289 212	1 488	18 138	108	9 197	318 143
Potash and potassium compounds	1 064 161	39 416	118 347	1 787	997 673	2 221 384
Salt and sodium compounds	589 729	9	11 653	—	38 005	639 396
Sand and gravel	40 683	11	—	—	758	41 452
Silica and silica compounds	25 167	228	4	...	3 272	28 671
Stones	125 441	6 388	3 538	531	5 661	141 559
Sulphur and sulphur compounds	52 928	101	—	7 309	161 298	221 636
Talc, soapstone and pyrophyllite	19 887	35	105	—	26	20 053
Titanium oxides	168 710	3 346	—	—	2 956	175 012
Other nonmetals	3 100 225	85 218	9 572	16 094	106 540	3 317 649
Total nonmetals	6 743 952	859 332	195 339	33 311	1 452 652	9 284 586
<b>FUELS</b>						
Coal and coke	331 577	412 584	629 013	26 393	585 520	1 985 087
Natural gas	25 510 272	13	—	—	—	25 510 285
Natural gas by-products	2 022 026	—	—	—	93	2 022 119
Petroleum	24 649 076	246 462	31 555	561	49 892	24 977 546
Other fuels	269 241	16 654	5 320	215	17 938	309 368
Total fuels	52 782 192	675 713	665 888	27 169	653 443	54 804 405
Total mining domestic exports	88 651 709	4 815 819	1 762 339	223 741	4 719 547	100 173 155

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, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, IMPORTS BY COMMODITY, BY ORIGIN, 2001**

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
<b>METALS</b>						
Aluminum	3 494 797	246 148	21 166	13 831	1 091 391	4 867 333
Antimony	5 416	552	49	391	833	7 241
Bismuth	1 438	322	—	17	622	2 399
Cadmium	593	413	...	7	38	1 051
Calcium metal	36 107	4 129	113	...	641	40 990
Chromium	20 496	6 435	1 668	1 541	39 564	69 704
Cobalt	14 615	11 182	797	—	14 690	41 284
Copper	1 084 115	188 632	6 685	27 542	520 729	1 827 703
Gold	379 382	36 088	14	1 457	391 039	807 980
Iron and steel	10 795 613	1 439 799	509 580	399 024	1 916 681	15 060 697
Iron ore	338 062	2 016	—	—	235	340 313
Lead	270 350	22 494	14 517	7 654	67 774	382 789
Magnesium and magnesium compounds	95 802	8 980	1 103	224	70 449	176 558
Molybdenum	23 211	3 391	41	1 619	4 822	33 084
Nickel	161 100	49 764	45 426	6 658	87 023	349 971
Platinum group metals	268 270	93 576	1 719	...	52 402	415 967
Silver	75 795	16 925	917	12 394	47 955	153 986
Tin	27 519	2 323	24	415	25 545	55 826
Titanium metal	79 422	14 452	4 283	—	9 535	107 692
Uranium and thorium	57 571	21 265	42	—	164 266	243 144
Zinc	124 921	14 776	56	20 846	37 651	198 250
Other metals	7 978 590	913 735	247 029	860 221	1 941 884	11 941 459
Total metals	25 333 185	3 097 397	855 229	1 353 841	6 485 769	37 125 420
<b>NONMETALS</b>						
Asbestos	69 931	3 429	4 975	2 976	12 682	93 993
Barite and witherite	5 220	258	3	—	3 809	9 290
Cement	203 146	10 253	547	2 705	25 565	242 216
Clay and clay products	416 606	242 466	25 446	44 845	269 078	998 441
Diamonds	49 965	80 598	87	—	168 239	298 889
Graphite	329 825	32 434	36 573	1 067	28 353	428 252
Gypsum	54 952	744	171	4 197	1 512	61 576
Lime	11 820	12	...	—	34	11 866
Mica	9 892	2 198	358	—	1 156	13 604
Nepheline syenite	...	—	—	—	6	6
Peat	334	266	—	—	1 133	1 733
Potash and potassium compounds	36 164	3 297	55	2	2 030	41 548
Salt and sodium compounds	346 415	14 490	3 339	5 897	35 466	405 607
Sand and gravel	14 428	106	...	5	547	15 086
Silica and silica compounds	166 469	14 872	6 195	4 279	10 295	202 110
Stone	63 617	54 391	25	2 889	52 481	173 403
Sulphur and sulphur compounds	24 230	1 268	6	...	96	25 600
Talc, soapstone and pyrophyllite	16 337	94	393	—	964	17 788
Titanium oxides	175 203	43 640	1 194	1	17 968	238 006
Other nonmetals	3 770 366	473 115	71 343	112 805	459 487	4 887 116
Total nonmetals	5 764 920	977 931	150 710	181 668	1 090 901	8 166 129
<b>FUELS</b>						
Coal and coke	1 057 928	3 334	1 693	1 196	198 825	1 262 976
Natural gas	291 713	16	5	—	2 922	294 656
Natural gas by-products	86 784	2 061	...	—	2 636	91 481
Petroleum	2 886 696	5 235 497	16 768	431 031	8 117 053	16 687 045
Other fuels	528 513	38 065	3 615	458	8 048	578 699
Total fuels	4 851 634	5 278 973	22 081	432 685	8 329 484	18 914 857
Total mining imports	35 949 739	9 354 301	1 028 021	1 968 194	15 906 154	64 206 406

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, APPARENT USE<sup>(1)</sup> OF SOME MINERALS AND RELATION TO PRODUCTION,<sup>(2)</sup> 1998-2000**

	1998			1999			2000		
	Apparent Use	Production	Use as a Percentage of Production	Apparent Use	Production	Use as a Percentage of Production	Apparent Use	Production	Use as a Percentage of Production
	(tonnes)			(tonnes)			(tonnes)		
Quartz silica	(r) 2 112 673	1 885 926	112.0	(r) 1 686 489	1 564 186	107.8	1 615 699	1 617 955	99.9
Lime (3)	2 323 628	2 461 043	94.4	(r) 2 523 928	2 565 451	(r) 98.4	2 506 984	2 525 369	99.3
Salt	(r) 9 834 358	13 034 295	75.4	(r) 10 253 435	12 685 895	(r) 80.8	9 829 983	12 164 069	80.8
Cement (4)	6 952 314	12 124 058	57.3	(r) 7 954 459	(r) 12 624 924	(r) 62.9	8 708 808	12 611 954	69.1
Iron ore	13 517 652	36 585 595	36.9	(r) 14 215 653	(r) 35 788 656	(r) 42.1	15 424 572	35 246 892	43.8
Gypsum	(r) 2 850 979	8 306 534	34.3	3 241 560	9 345 342	34.7	2 408 382	8 572 464	28.1
Potash (K <sub>2</sub> O equivalent)	202 130	8 883 616	2.3	—	8 475 270	..	—	9 033 330	..
Asbestos	2 039	321 330	0.6	5 165	337 367	1.5	—	309 719	..

Sources: Natural Resources Canada; Statistics Canada.

— Nil; .. Not available; K<sub>2</sub>O Potassium oxide; (r) Revised.

(1) "Apparent use" is production plus imports, less exports. (2) "Production" refers to producers' shipments. (3) "Apparent Use" contains slaked lime in the trade data. (4) "Apparent Use" contains clinker cement in the trade data.

**TABLE 13. CANADA, REPORTED USE OF MINERALS AND RELATION TO PRODUCTION, 1998-2000**

	Unit of Measure	1998			1999			2000		
		Use	Production	Use as a Percentage of Production	Use	Production	Use as a Percentage of Production	Use	Production	Use as a Percentage of Production
		(tonnes)			(tonnes)			(tonnes)		
<b>METALS</b>										
Aluminum (1)	t	889 973	2 374 118	37.5	999 242	2 389 834	41.8	1 015 640	2 373 460	42.8
Antimony	kg	791 255	359 347	220.2	865 383	356 745	242.6	777 505	364 100	213.5
Bismuth	kg	14 641	186 400	7.9	17 066	217 135	7.9	12 553	202 228	6.2
Cadmium	kg	117 122	1 179 427	9.9	138 789	1 114 921	12.4	172 304	934 084	18.4
Chromium (chromite)	t	16 964	—	..	x	—	x	x	—	x
Cobalt	kg	145 983	2 262 477	6.5	129 988	2 013 897	6.5	126 715	2 022 318	6.3
Copper (2)	t	246 212	690 762	35.6	266 504	581 583	45.8	272 075	621 889	43.7
Lead (3)	t	87 466	150 019	58.3	92 557	155 369	59.6	81 365	143 303	56.8
Magnesium	t	(r) 32 790	x	x	43 850r	x	x	52 356	x	x
Manganese ore	t	7 339	—	..	5 755	—	..	5 928	—	..
Mercury	kg	2 803	—	..	x	—	x	x	—	x
Molybdenum (Mo content)	t	2 573	8 099	31.8	3 180	6 250	50.9	2 913	6 980	41.7
Nickel	t	(r) 19 787	197 947	10.0	(r) 22 527	176 749	12.7	24 976	181 139	13.8
Selenium	kg	9 782	397 876	2.5	12 447	358 759	3.5	8 747	334 689	2.6
Silver	kg	334 857	1 140 238	29.4	349 146	1 174 328	29.7	395 712	1 168 630	33.9
Tellurium	kg	x	62 274	x	x	63 945	x	x	53 228	x
Tin	t	2 753	—	..	2 791	—	..	2 845	—	..
Tungsten (W content)	kg	212 415	—	..	187 483	—	..	x	—	x
Zinc (3)	t	138 424	991 584	14	143 188	963 321	14.9	147 913	935 713	15.8
<b>NONMETALS</b>										
Barite	t	16 206	86 159	18.8	15 161	67 161	22.6	16 062	20 992	76.5
Feldspar	t	1 588	—	..	1 090	—	..	1 186	—	..
Fluorspar	t	92 822	—	..	79 157	—	..	94 905	—	..
Mica	t	3 606	x	x	3 692	x	x	3 994	x	x
Nepheline syenite	t	69 634	636 406	10.9	57 693	676 169	8.5	62 129	716 971	8.7
Phosphate rock	t	x	—	..	x	—	x	x	—	x
Potash (K <sub>2</sub> O equivalent)	t	271 078	8 883 616	3.1	223 645	8 475 270	2.6	213 643	9 033 330	2.4
Sodium sulphate	t	117 131	258 249	45.4	109 647	x	x	112 003	x	x
Sulphur	t	765 093	9 240 245	8.3	746 890	9 498 810	7.9	767 346	9 451 926	8.1
Talc, etc.	t	82 696	72 095	114.7	75 815	79 493	95.4	78 821	84 945	92.8
<b>MINERAL FUELS</b>										
Coal	000 t	58 106	75 360	78.4	58 077	72 497	80.1	60 895	69 163	88.0
Crude oil (4)	000 m <sup>3</sup>	95 435	128 401	74.3	(r) 96 947	122 247	(r) 79.3	100 564	127 809	78.7
Natural gas (5)	million m <sup>3</sup>	45 608	160 515	28.4	45 154	162 219	27.8	47 943	167 790	28.6

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. (4) "Use" is defined as refinery receipts. (5) "Use" is defined as domestic sales.

Notes: Unless otherwise stated, "use" refers to 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. For fuels, production is equivalent to actual output less waste.

**TABLE 14. CANADA, DOMESTIC USE OF PRINCIPAL REFINED METALS IN RELATION TO REFINERY PRODUCTION. <sup>(1)</sup> 1994-2000**

	Unit of Measure	1994	1995	1996	1997	1998	1999	2000
<b>ALUMINUM</b>								
Domestic use (2)	t	635 024	635 402	676 935	764 438	889 973	999 242	1 015 640
Production	t	2 254 683	2 171 992	2 283 212	2 327 188	2 374 118	2 389 834	2 373 460
Use as a percentage of production		28.2	29.3	29.6	32.8	37.5	41.8	42.8
<b>COPPER</b>								
Domestic use (3)	t	199 350	189 550	218 280	224 777	246 212	266 504	272 075
Production	t	549 869	572 616	559 200	560 582	562 261	548 563	551 393
Use as a percentage of production		36.3	33.1	39.0	40.1	43.8	48.6	49.3
<b>LEAD</b>								
Domestic use (4)	t	95 764	91 171	93 373	92 997	87 466	92 557	81 365
Production (5)	t	251 640	281 391	310 791	271 395	265 487	266 415	284 333
Use as a percentage of production		38.1	32.4	30.0	34.3	32.9	34.7	28.6
<b>ZINC</b>								
Domestic use (5)	t	122 118	130 735	134 787	133 553	138 424	143 188	147 913
Production	t	690 965	720 346	716 467	703 798	745 131	776 927	779 892
Use as a percentage of production		17.7	18.1	18.8	19.0	18.6	18.4	19.0

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 15. AVERAGE ANNUAL PRICES <sup>(1)</sup> OF SELECTED METALS, 1994-2001**

	Unit	1994	1995	1996	1997	1998	1999	2000	2001
Aluminum, London Metal Exchange	c/lb	66.986	81.903	68.296	72.544	61.574	61.738	70.267	66.458
Antimony, New York dealer	\$/lb	1.777	2.278	1.466	0.996	0.718	0.627	0.655	0.649
Bismuth, New York dealer	\$/lb	3.070	3.781	3.546	3.275	3.408	3.378	3.539	3.613
Cadmium, New York dealer	\$/lb	1.144	1.839	1.238	0.513	0.286	0.177	0.164	0.223
Copper, electrolytic cathode, COMEX	c/lb	107.052	134.717	105.872	103.580	75.077	72.111	83.971	73.687
Gold, London (2)	\$/troy oz	384.009	384.162	387.696	331.096	294.160	278.825	278.600	269.984
Iridium, New York dealer	\$/troy oz	30.000	30.000	46.188	171.125	392.032	379.938	390.000	389.000
Lead, London Metal Exchange, cash	c/lb	24.829	28.600	35.019	28.292	23.960	22.778	20.574	21.339
Magnesium, U.S. Spot Western Mean	c/lb	144.744	191.894	187.236	165.759	159.238	155.229	137.229	125.406
Molybdenum, dealer, oxide	\$/lb	4.501	7.412	3.606	4.175	3.313	2.591	2.498	2.313
Nickel, New York dealer, cathode	\$/lb	2.919	3.901	3.501	3.221	2.179	2.750	3.987	2.825
Osmium, New York dealer	\$/troy oz	400.000	399.375	392.458	391.000	366.867	350.000	350.000	350.800
Palladium, London PM fix	\$/troy oz	142.631	151.229	128.079	177.951	284.678	357.902	681.100	651.676
Platinum, London PM fix	\$/troy oz	404.998	424.346	397.171	395.210	372.019	376.880	544.226	546.169
Rhodium, New York dealer	\$/troy oz	712.678	424.145	280.721	268.458	574.771	863.063	1 818.750	1 621.175
Ruthenium, New York dealer	\$/troy oz	13.604	21.827	34.921	32.896	39.208	34.721	118.275	126.050
Selenium, New York dealer	\$/lb	4.900	4.897	3.423	2.791	2.274	2.278	3.699	3.520
Silver, Handy & Harman	\$/troy oz	5.284	5.192	5.183	4.892	5.534	5.250	5.003	4.414
Tantalum, tantalite ore, spot	\$/lb	25.500	26.260	27.000	27.000	32.783	33.000	62.438	107.800
Tin, New York dealer	\$/lb	2.549	2.945	2.890	2.644	2.613	2.545	2.549	2.156
Tungsten, US spot ore	\$/stu	36.750	56.402	55.000	53.333	44.021	40.000	40.000	53.600
Uranium, U <sub>3</sub> O <sub>8</sub>	\$/lb	14.000	13.000	15.100	14.200	13.300	12.700	12.400	..
Zinc, special high grade	c/lb	45.255	53.235	51.109	59.697	46.453	48.805	51.150	45.163

Sources: Natural Resources Canada; *Metals Week*.

.. Not available; COMEX Commodities Exchange, Inc.

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



**TABLE 18. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, 1999**

	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)	(\$000)	(number)	(\$000)	(\$000)		
<b>BY INDUSTRY</b>													
Primary metal manufacturing	478	75 594	151 816	3 778 168	2 011 659	15 474 337	31 111 101	13 261 554	93 658	4 978 159	13 287 736		
Nonmetallic mineral product manufacturing	1 354	36 462	75 155	1 381 768	602 068	3 503 990	8 925 938	4 864 745	45 761	1 907 671	5 078 855		
Fabricated metal product manufacturing	4 283	140 721	305 277	4 610 152	384 142	11 961 679	24 101 014	11 842 183	166 245	5 994 861	12 180 575		
Petroleum and coal products manufacturing	204	6 691	14 448	401 262	445 028	18 023 925	20 519 165	2 384 650	12 829	824 229	3 417 020		
<b>Total</b>	<b>6 319</b>	<b>259 468</b>	<b>546 696</b>	<b>10 171 350</b>	<b>3 442 897</b>	<b>48 963 931</b>	<b>84 657 218</b>	<b>32 353 132</b>	<b>318 493</b>	<b>13 704 920</b>	<b>33 964 186</b>		
<b>BY REGION</b>													
Atlantic	268	x	x	x	x	x	x	x	x	x	x		
Quebec	1 568	61 088	123 295	2 323 356	1 281 437	11 917 928	23 061 892	9 980 369	80 286	3 341 501	10 458 987		
Ontario	2 739	141 321	302 919	5 732 464	1 522 019	23 376 580	41 262 904	16 293 962	168 223	7 495 065	17 302 988		
Prairies	1 005	x	x	x	x	x	x	x	x	x	x		
British Columbia	739	x	x	x	x	x	x	x	x	x	x		
<b>Total</b>	<b>6 319</b>	<b>259 468</b>	<b>546 696</b>	<b>10 171 350</b>	<b>3 442 897</b>	<b>48 963 931</b>	<b>84 657 218</b>	<b>32 353 132</b>	<b>318 493</b>	<b>13 704 920</b>	<b>33 964 186</b>		

Source: Statistics Canada.

x Confidential.

(1) Total activity includes sales and head offices.

**TABLE 19. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY, (1) 1989-1999**

Year	Mining 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)	(\$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 (r)	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 (r)	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	55 929	3 309 255	10 254 270		
1999	818	41 076	87 849	2 301 420	1 011 965	4 449 744	15 290 102	9 828 393	53 425	3 145 593	9 853 424		

Sources: Natural Resources Canada; Statistics Canada.

(r) Revised.

(1) Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. (2) Total activity includes sales and head offices.

Note: This table no longer includes data for the petroleum and natural gas industries.

**TABLE 20. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, <sup>(1)</sup> 1982-1999**

Year	Mineral Manufacturing Activity								Total Activity (2)			
	Production and Related Workers				Costs				Value Added	Employees	Salaries and Wages	Value Added
	Establishments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies	Value of Production					
(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	

Source: Statistics Canada.

.. Not available.

(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 21. CANADA, CONSUMPTION OF FUEL AND ELECTRICITY IN THE NON-FUEL MINERAL INDUSTRY, <sup>(1)</sup> 1999**

	Unit	Metals	Nonmetals (2)	Total
Coal	000 t	–	–	–
	\$000	–	–	–
Gasoline	000 litres	17 829	21 048	38 877
	\$000	8 852	10 397	19 249
Fuel oil, kerosene, diesel oil	000 litres	575 153	285 224	860 377
	\$000	132 608	105 672	238 280
Liquefied petroleum gas	000 litres	115 883	11 931	127 814
	\$000	24 565	2 701	27 266
Natural gas	000 m <sup>3</sup>	91 413	804 157	895 570
	\$000	12 462	86 119	98 581
Other fuels (3)	\$000	34 863	502	35 365
Total value of fuels	\$000	213 351	205 391	418 742
Electricity purchased	million kWh	9 415	2 811	12 226
	\$000	335 715	134 072	469 787
Total value of fuels and electricity purchased, all reporting companies	\$000	549 066	339 464	888 530

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.

Notes: Numbers may not add up to totals due to rounding.

**TABLE 22. CANADA, COST OF FUEL AND ELECTRICITY USED IN THE NON-FUEL MINERAL INDUSTRY, <sup>(1)</sup> 1995-99**

	Unit	1995	1996	1997	1998	1999
<b>METALS</b>						
Fuel	\$000	237 376	289 723	283 375	244 801	213 351
Electricity purchased	million kWh	11 527	11 248	11 186	10 754	9 415
	\$000	408 270	396 358	383 009	375 095	335 715
Total cost of fuel and electricity	\$000	645 646	686 082	666 384	619 896	549 066
<b>NONMETALS (2)</b>						
Fuel	\$000	91 148	87 173	95 245	172 842	205 392
Electricity purchased	million kWh	2 363	2 333	2 369	2 760	2 811
	\$000	109 676	107 876	96 917	130 203	134 072
Total cost of fuel and electricity	\$000	200 824	195 049	192 162	303 045	339 464
<b>TOTAL NON-FUEL MINERAL INDUSTRY</b>						
Fuel	\$000	387 133	441 668	444 390	417 643	418 743
Electricity purchased	million kWh	14 270	14 016	13 981	13 514	12 226
	\$000	543 219	533 507	509 277	505 298	469 787
Total cost of fuel and electricity	\$000	930 353	975 176	953 667	922 941	888 530

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 23. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY,  
STAGE I – MINERAL EXTRACTION AND CONCENTRATING (TOTAL  
ACTIVITY),<sup>(1)</sup> 1961-2001**

Year	Metal Mines	Nonmetal Mines (2)	Non-Fuel Minerals	Coal	Total
NAICS no.	2122	2123	2133, 2123	21211	2122, 2123, 21211
	(number)				
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	14 719	49 465	8 860	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 (p)	27 807	17 788	45 595	5 850	51 445
2001 (f)	23 485	16 899	40 384	6 039	46 423

Sources: Natural Resources Canada; Statistics Canada.

NAICS: North American Industrial Classification System.

(f) Forecast; (p) Preliminary.

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

**TABLE 24. CANADA, NON-FUEL MINERAL INDUSTRY  
EMPLOYMENT, BY STAGE, 1990-2001**

Year	Stage I	Stage II	Stage III	Stage IV	Total
(number)					
1990	73 156	69 579	92 846	150 431	386 015
1991	68 747	67 075	84 981	135 564	356 367
1992	62 257	60 848	78 606	121 497	323 209
1993	58 325	58 054	75 293	117 703	309 378
1994	58 195	54 997	77 440	124 227	314 862
1995	61 192	55 518	79 519	135 124	331 353
1996	59 555	58 133	82 364	145 262	345 314
1997	58 326	58 280	82 812	160 939	360 359
1998	55 929	57 707	83 201	180 505	377 345
1999	53 366	57 514	81 943	182 349	375 173
2000 (p)	51 445	58 964	86 252	192 249	388 911
2001 (f)	46 423	53 878	83 779	191 705	375 784

Sources: Natural Resources Canada; Statistics Canada.

(f) Forecast; (p) Preliminary.

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

**TABLE 25. CANADA, NUMBER OF WAGES EARNERS EMPLOYED IN THE NONFUEL MINERAL  
INDUSTRY (SURFACE, UNDERGROUND AND MILL), 1992-99**

	1992	1993	1994	1995	1996	1997	1998	1999
(number)								
<b>METALS</b>								
Surface	6 550	5 973	4 526	4 467	6 358	4 762	5 192	4 847
Underground	12 205	11 281	11 396	12 305	10 610	11 556	9 269	8 468
Mill	9 153	8 508	8 888	9 572	8 862	8 803	8 601	8 267
Total	27 908	25 762	24 810	26 344	25 830	25 121	23 062	21 582
<b>NONMETALS</b>								
Surface	4 553	4 620	5 318	6 369	6 051	6 185	6 286	6 770
Underground	2 125	2 098	2 093	1 967	1 926	1 964	2 009	2 008
Mill	4 429	4 369	4 591	4 625	4 211	4 392	4 506	4 907
Total	11 107	11 087	12 002	12 961	12 188	12 541	12 800	13 685
<b>TOTAL NON-FUEL MINERAL INDUSTRY</b>								
Surface	11 103	10 593	9 844	10 836	12 409	10 947	11 478	11 617
Underground	14 330	13 379	13 489	14 272	12 536	13 520	11 278	10 476
Mill	13 582	12 877	13 479	14 197	13 073	13 195	13 107	13 174
Total	39 015	36 849	36 812	39 305	38 018	37 662	35 862	35 267

Sources: Natural Resources Canada; Statistics Canada.

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

**TABLE 26. CANADA, MINE AND MILL WORKERS, BY SEX, EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY, 1999**

	Mine Workers				Mill Workers		Total	
	Underground		Surface		Male	Female	Male	Female
	Male	Female	Male	Female				
<b>METALS</b>								
Gold	3 460	29	931	45	1 751	63	6 142	137
Silver-lead-zinc	826	5	92	5	692	19	1 610	29
Iron ore	–	–	849	28	2 651	126	3 500	154
Nickel-copper-zinc	3 980	22	2 308	28	2 178	88	8 466	138
Miscellaneous metal mines	146	0	542	19	651	48	1 339	67
<b>Total</b>	<b>8 412</b>	<b>56</b>	<b>4 722</b>	<b>125</b>	<b>7 923</b>	<b>344</b>	<b>21 057</b>	<b>525</b>
<b>NONMETALS</b>								
Peat	–	–	523	47	949	63	1 472	110
Gypsum	124	–	330	1	110	2	564	3
Potash	1 174	18	40	1	1 249	35	2 463	54
Salt	508	1	154	5	350	10	1 012	16
Diamond	–	–	188	2	121	21	309	23
Stone	–	–	2 017	20	738	21	2 755	41
Sand and gravel	–	–	2 830	75	324	5	3 154	80
Shale, clay and refractory minerals	–	–	42	–	124	1	166	1
Miscellaneous nonmetals	183	–	493	2	771	13	1 447	15
<b>Total</b>	<b>1 989</b>	<b>19</b>	<b>6 617</b>	<b>153</b>	<b>4 736</b>	<b>171</b>	<b>13 342</b>	<b>343</b>
<b>Total non-fuel mineral industry</b>	<b>10 401</b>	<b>75</b>	<b>11 339</b>	<b>278</b>	<b>12 659</b>	<b>515</b>	<b>34 399</b>	<b>868</b>

Sources: Natural Resources Canada; Statistics Canada.

– Nil.

**TABLE 27. CANADA, LABOUR COSTS FOR METAL MINES IN RELATION TO TONNES MINED, 1997-99**

	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)	(\$)
<b>1997</b>						
Gold	5 142	353 561	68 759	33 924	6 597	10.42
Nickel-copper-zinc	7 738	465 700	60 183	94 892	12 263	4.91
Silver-lead-zinc	1 531	71 962	47 003	9 608	6 276	7.49
Iron ore	1 010	80 658	79 860	94 430	93 495	0.85
Miscellaneous metals	897	51 469	117 709	15 145	28 894	3.40
<b>Total</b>	<b>16 318</b>	<b>1 023 349</b>	<b>62 713</b>	<b>247 999</b>	<b>15 198</b>	<b>4.13</b>
<b>1998</b>						
Gold	4 582	319 026	69 626	36 454	7 956	8.75
Nickel-copper-zinc	7 039	434 680	61 753	102 694	14 589	4.23
Silver-lead-zinc	1 035	61 142	59 074	8 484	8 197	7.21
Iron ore	953	78 769	82 654	96 743	101 514	0.81
Miscellaneous metals	852	49 071	116 496	15 519	30 148	3.16
<b>Total</b>	<b>14 461</b>	<b>942 688</b>	<b>65 188</b>	<b>259 893</b>	<b>17 972</b>	<b>3.63</b>
<b>1999</b>						
Gold	4 465	300 154	67 224	44 799	10 033	6.70
Nickel-copper-zinc	6 338	385 682	60 852	71 829	11 333	5.37
Silver-lead-zinc	928	55 288	59 578	7 808	8 414	7.08
Iron ore	877	74 421	84 859	85 249	97 205	0.87
Miscellaneous metals	707	39 919	118 015	14 617	32 605	2.73
<b>Total</b>	<b>13 315</b>	<b>855 465</b>	<b>64 248</b>	<b>224 302</b>	<b>16 846</b>	<b>3.81</b>

Sources: Natural Resources Canada; Statistics Canada.

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

**TABLE 28. CANADA, PERSON-HOURS PAID FOR PRODUCTION AND RELATED WORKERS, AND TONNES OF ORE MINED AND ROCK QUARRIED IN METAL MINES AND OTHER MINERAL OPERATIONS, 1994-99**

	Unit	1994 (r)	1995 (r)	1996 (r)	1997 (r)	1998 (r)	1999
<b>METAL MINES (1)</b>							
Ore mined	Mt	233.70	260.50	253.00	248.00	259.90	224.30
Person-hours paid (2)	million	53.70	57.10	56.10	54.60	50.20	46.10
Person-hours paid per tonne mined	number	0.23	0.22	0.22	0.22	0.19	0.21
Tonnes mined per person-hour paid	t	4.35	4.56	4.51	4.54	5.18	4.87
<b>OTHER MINERAL OPERATIONS (3)</b>							
Ore mined and rock quarried	Mt	170.50	173.00	167.90	178.40	167.50	152.10
Person-hours paid (2)	million	29.80	29.30	32.10	29.00	26.70	23.50
Person-hours paid per tonne mined	number	0.17	0.17	0.19	0.16	0.16	0.15
Tonnes mined per person-hour paid	t	5.73	5.90	5.23	6.16	6.27	6.50

Sources: Natural Resources Canada; Statistics Canada, catalogue nos. 26-201, 26-223 and 26-206.

(r) Revised.

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

**TABLE 29. CANADA, AVERAGE WEEKLY WAGES (INCLUDING OVERTIME) FOR HOURLY RATED EMPLOYEES IN THE MINING, MINERAL MANUFACTURING, AND LOGGING AND FORESTRY INDUSTRIES, 1993-2001**

	1993	1994	1995	1996	1997	1998	1999	2000	2001
	(\$)								
Oil and gas extraction	1 146.70	1 171.54	1 208.05	1 242.71	1 252.70	1 298.43	1 333.92	1 352.43	1 380.33
Mining	903.89	921.83	963.25	1 001.83	998.87	1 053.39	1 039.90	1 094.11	1 090.31
Coal mining	973.49	989.79	1 028.06	1 057.58	1 045.80	1 138.11	1 126.95	1 204.74	1 232.08
Metal ore mining	975.93	1 002.30	1 049.60	1 078.85	1 053.23	1 127.77	1 123.25	1 168.98	1 168.94
Nonmetallic mineral									
mining and quarrying	738.78	755.07	784.51	825.18	873.86	893.33	882.64	944.20	943.49
Support activities for mining									
and oil and gas extraction	817.90	816.27	817.21	895.53	948.30	978.06	970.21	1 013.57	1 049.05
Mineral manufacturing activities	688.88	705.67	712.75	733.82	752.42	770.92	782.43	796.89	808.12
Forestry, logging and support	680.11	700.01	697.64	745.69	786.46	766.33	773.42	810.15	830.84

Source: Statistics Canada; *Annual Estimates of Employment, Earnings and Hours*.**TABLE 30. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY INDUSTRY, 1999-2001**

	1999			2000			2001 (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
	(number)								
Agriculture	1	11	60	1	227	24 800	4	613	23 300
Logging and forestry	7	2 002	118 290	5	13 150	101 010	3	669	2 320
Fishing and trapping	—	—	—	—	—	—	—	—	—
Mining	8	2 676	150 580	9	3 625	160 210	11	3 852	106 430
Utilities	7	3 214	178 350	1	5	70	5	842	17 380
Construction	8	1 014	6 420	7	865	15 540	6	16 110	86 610
Manufacturing	122	25 143	453 470	129	21 450	403 720	117	17 214	530 950
Wholesale and retail trade	42	2 406	79 380	33	9 625	89 670	39	3 570	130 040
Transportation and utilities	25	17 631	102 660	35	4 737	79 510	35	8 262	366 095
Information and culture	18	16 016	473 290	10	3 761	69 810	11	2 966	43 080
Finance, insurance and real estate	27	1 257	70 410	24	2 498	59 900	18	5 153	41 870
Education, health and social sciences	75	75 801	497 590	65	41 820	307 460	73	109 637	585 950
Entertainment and hospitality	37	5 413	105 200	34	5 845	130 860	38	3 841	85 930
Public administration	36	6 028	210 190	24	35 962	219 060	19	51 032	219 590
Total, all industries	413	158 612	2 445 890	377	143 570	1 661 620	379	223 761	2 239 545

Source: Human Resources Development Canada, Workplace Information Directorate.

— Nil; (p) Preliminary.

**TABLE 31. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY MINING AND MINERAL MANUFACTURING INDUSTRY, 1999-2001**

	1999			2000			2001 (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
	(number)								
<b>MINING</b>	8	2 676	150 580	9	3 625	160 210	11	3 852	106 430
Metals	4	2 174	137 280	3	1 710	140 200	7	3 089	98 400
Mineral fuels	1	250	250	3	1 629	15 830	–	–	–
Nonmetals	2	225	8 330	2	245	3 710	4	763	8 030
Quarries	1	27	4 720	1	41	470	–	–	–
<b>MINERAL MANUFACTURING</b>	11	705	18 110	21	2 384	70 410	11	1 384	45 800
Primary metals	2	116	8 010	3	1 010	32 630	6	1 196	42 310
Nonmetallic mineral products	9	589	10 100	17	874	34 780	5	188	3 490
Petroleum and coal products	–	–	–	1	500	3 000	–	–	–

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

**TABLE 32. CANADA, MINING WAGES AND SALARIES BY PROVINCE, TERRITORY AND MINERAL CLASS, 1998 AND 1999**

Province/Territory	1998				1999			
	Metals	Nonmetals	Coal	Total	Metals	Nonmetals	Coal	Total
	(\$000)							
Newfoundland and Labrador	178 355	3 479	–	181 834	178 253	5 190	–	183 443
Prince Edward Island	–	1 104	–	1 104	–	948	–	948
Nova Scotia	–	39 679	54 043	93 722	–	41 006	40 814	81 820
New Brunswick	78 070	46 642	3 484	128 197	x	x	3 892	116 740
Quebec	511 915	162 788	–	674 703	508 233	163 683	–	671 916
Ontario	697 669	186 831	–	884 500	642 494	213 976	–	856 470
Manitoba	197 115	11 844	–	208 959	166 513	13 586	–	180 099
Saskatchewan	x	226 705	x	317 680	x	218 165	x	305 173
Alberta	–	x	x	224 969	–	x	x	197 667
British Columbia	245 434	37 752	229 892	513 078	207 235	40 311	216 561	464 107
Yukon, Northwest Territories and Nunavut	x	x	–	80 509	x	x	–	87 210
<b>Total</b>	<b>2 049 090</b>	<b>790 861</b>	<b>469 303</b>	<b>3 309 255</b>	<b>1 892 568</b>	<b>828 183</b>	<b>424 842</b>	<b>3 145 593</b>

Sources: Natural Resources Canada; Statistics Canada.  
– Nil; x Confidential.

Notes: This table no longer includes data for the petroleum and natural gas industries.

**TABLE 33. SOURCE OF ORES HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1997-99**

	1997			1998			1999		
	Underground	Open-Pit	Total	Underground	Open-Pit	Total	Underground	Open-Pit	Total
	(000 tonnes)								
<b>METALS</b>									
Gold	18 060	15 864	33 924	16 579	19 875	36 454	15 810	28 989	44 799
Silver-lead-zinc	7 834	1 773	9 608	8 310	174	8 484	7 808	–	7 808
Iron ore	663	93 767	94 430	372	96 371	96 743	–	85 249	85 249
Nickel-copper-zinc	26 504	68 388	94 892	25 483	77 212	102 694	23 680	48 149	71 829
Miscellaneous metals	1 594	13 551	15 145	1 402	14 117	15 519	1 208	13 409	14 617
<b>Total metals</b>	<b>54 656</b>	<b>193 343</b>	<b>247 999</b>	<b>52 145</b>	<b>207 748</b>	<b>259 893</b>	<b>48 506</b>	<b>175 796</b>	<b>224 302</b>
<b>NONMETALS</b>									
Asbestos	x	x	x	x	x	x	x	x	x
Gypsum	1 114	8 027	9 141	977	7 885	8 863	1 037	8 627	9 665
Potash	38 932	–	38 932	39 514	–	39 514	29 346	–	29 346
Rock salt	12 690	–	12 690	13 277	–	13 277	11 816	–	11 816
Diamonds	–	–	–	–	402	402	–	3 166	3 166
Miscellaneous nonmetals	x	x	x	x	x	x	x	x	x
<b>Total nonmetals</b>	<b>54 671</b>	<b>21 183</b>	<b>75 853</b>	<b>55 645</b>	<b>16 495</b>	<b>72 140</b>	<b>43 714</b>	<b>20 069</b>	<b>63 784</b>
<b>MINERAL FUELS</b>									
Coal	4 730	97 005	101 735	3 910	91 453	95 363	2 333	85 939	88 272
<b>Grand total</b>	<b>114 057</b>	<b>311 531</b>	<b>425 587</b>	<b>111 700</b>	<b>315 697</b>	<b>427 396</b>	<b>94 553</b>	<b>281 804</b>	<b>376 357</b>
Percentage	26.80	73.20	100.00	26.14	73.87	100.00	25.12	74.88	100.00

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential.

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

**TABLE 34. SOURCE OF MATERIAL HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1999**

	Underground Ore	Underground Waste	Open-Pit Ore	Open-Pit Waste	Open-Pit Overburden	Open-Pit Tailings
	(000 tonnes)					
<b>METALS</b>						
Gold	15 810	3 864	28 989	44 170	4 991	42 505
Silver-lead-zinc	7 808	431	–	547	–	6 364
Iron ore	–	–	85 249	7 067	9 466	51 745
Nickel-copper-zinc	23 680	1 077	48 149	43 614	190	68 053
Miscellaneous metals	1 208	192	13 409	10 503	–	10 985
<b>Total metals</b>	<b>48 506</b>	<b>5 563</b>	<b>175 796</b>	<b>105 901</b>	<b>14 646</b>	<b>179 653</b>
<b>NONMETALS</b>						
Asbestos	x	x	x	x	x	x
Gypsum	1 037	145	8 627	2 521	1 094	77
Potash	29 346	5 857	–	–	–	11 316
Rock salt	11 815	549	–	–	–	509
Diamonds	–	–	3 166	24 321	–	–
Miscellaneous nonmetals	x	x	x	x	x	x
<b>Total nonmetals</b>	<b>42 198</b>	<b>6 552</b>	<b>20 069</b>	<b>44 802</b>	<b>1 201</b>	<b>16 637</b>
<b>MINERAL FUELS</b>						
Coal	2 333	..	85 939	..	..	..
<b>Total metals, nonmetals and mineral fuels</b>	<b>94 553</b>	<b>12 115</b>	<b>281 804</b>	<b>150 703</b>	<b>15 847</b>	<b>196 290</b>

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential; .. Not available.

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

**TABLE 35. CANADA, ORE MINED AND ROCK QUARRIED IN THE MINING INDUSTRY, 1995-99**

Mines	1995	1996	1997	1998	1999
	(000 tonnes)				
<b>METALS</b>					
Gold	25 120	30 901	33 924	36 454	44 799
Silver-lead-zinc	10 295	11 656	9 608	8 484	7 808
Iron ore	95 538	95 783	94 430	96 743	85 249
Nickel-copper-zinc	113 259	98 671	94 892	102 694	71 829
Miscellaneous metals	16 263	15 992	15 145	15 519	14 617
Total metals	260 475	253 003	247 999	259 893	224 302
<b>NONMETALS</b>					
Asbestos	x	x	x	x	x
Gypsum	8 623	8 584	9 141	8 863	9 665
Potash	40 196	34 103	38 932	39 514	29 346
Rock salt	9 854	11 226	12 690	13 277	11 816
Diamonds	–	–	–	402	3 166
Miscellaneous nonmetals	x	x	x	x	x
Total nonmetals	72 596	67 491	75 853	72 140	63 784
<b>STRUCTURAL MATERIALS</b>					
Stone of all kinds quarried	120 660	112 420	120 953	129 057	130 226
Sand and gravel	230 098	217 361	227 315	231 639	248 311
<b>MINERAL FUELS</b>					
Coal	97 707	100 359	101 735	95 363	88 272
Total ore mined and rock quarried	781 536	750 634	773 855	788 092	754 895

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential.

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



**TABLE 36. CANADA, ORE MINED AND ROCK QUARRIED IN THE MINING INDUSTRY, 1961-99**

Year	Metals	Industrial Minerals (1)	Coal	Total
(million tonnes)				
1961	90.1	96.7	..	186.8
1962	103.6	103.8	..	207.4
1963	112.7	120.4	..	233.1
1964	128.0	134.1	..	262.1
1965	151.0	146.5	..	297.5
1966	147.6	171.8	..	319.4
1967	169.1	177.5	..	346.6
1968	186.9	172.7	..	359.6
1969	172.0	178.8	..	350.8
1970	213.0	179.1	..	392.1
1971	211.5	185.8	..	397.3
1972	206.0	189.7	..	395.7
1973	274.9	162.6	..	437.4
1974	278.7	178.8	..	457.5
1975	264.2	158.7	..	422.9
1976	296.5	167.1	..	463.6
1977	299.5	205.2	33.8	538.5
1978	248.1	205.5	36.3	489.9
1979	274.8	200.1	39.8	514.6
1980	290.1	193.5	43.9	527.5
1981	301.5	172.5	48.2	522.2
1982	238.4	121.2	53.0	412.5
1983	219.0	137.0	54.8	410.8
1984	246.4	167.8	71.2	485.4
1985	245.0	171.9	76.7	493.6
1986	256.3	179.1	72.7	508.2
1987	266.2	197.5	77.5	541.1
1988	282.1	210.3	89.3	581.6
1989	283.8	209.4	87.7	580.9
1990	280.6	195.4	89.5	565.4
1991	271.4	166.4	90.3	528.0
1992	248.2	169.2	81.4	498.8
1993	236.5	167.9	87.6	458.4
1994	233.7	184.3	96.6	514.6
1995	260.5	193.3	97.7	551.4
1996	253.0	179.9	100.4	533.3
1997 (r)	248.0	196.8	101.7	546.5
1998	259.9	201.2	95.4	556.5
1999	224.3	194.0	88.2	506.5

Sources: Natural Resources Canada; Statistics Canada.

.. Not available; (r) Revised.

(1) Includes nonmetallic mineral mining and all stone quarried, including stone used to make cement and lime. From 1979 onwards, coverage includes miscellaneous nonmetal mines previously excluded.

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

**TABLE 37. CANADA, CRUDE MINERALS TRANSPORTED BY CANADIAN RAILWAYS, 1998-2001**

	1998 (r)	1999	2000	2001
	(000 tonnes)			
<b>METALLIC MINERALS</b>				
Iron ores and concentrates	38 765	32 263	38 964	30 624
Nickel and nickel-copper ores and concentrates	3 182	2 921	2 351	1 705
Zinc ores and concentrates	1 317	499	1 158	1 127
Copper ores and concentrates	1 189	1 179	1 484	1 717
Lead ores and concentrates	(1)	626	1 030	573
Metallic ores and concentrates, n.e.s.	698	96	99	319
Subtotal	45 151	37 584	45 086	36 065
<b>NONMETALLIC MINERALS</b>				
Potash (KCl)	13 890	13 378	14 197	12 832
Sulphur	6 897	7 570	7 446	6 350
Salt	1 852	1 319	1 218	1 360
Phosphate rock	1 097	94	468	760
Sand, gravel and stone	1 972	2 181	3 026	2 945
Other nonmetallic minerals	5 035	5 870	5 575	5 388
Subtotal	30 742	30 412	31 930	29 635
<b>MINERAL FUELS</b>				
Coal	37 805	42 039	39 253	39 521
Subtotal	37 805	42 039	39 253	39 521
Total crude minerals	113 699	110 034	116 270	105 221
Total revenue freight (2) moved by Canadian railways	279 511	236 674	252 116	239 622
Crude minerals as a percentage of total revenue freight	40.7	46.5	46.1	43.9

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

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

(1) Data are included with metallic ores and concentrates, n.e.s. (2) Revenue freight refers to a local or interline shipment from which earnings accrue to a carrier.

Note: 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 will be used for this table. Statistics for 1998 have been recently recalculated using the monthly data series.

**TABLE 38. CANADA, PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1998-2001**

	1998	1999	2000	2001
	(000 tonnes)			
<b>METALLIC MINERAL PRODUCTS</b>				
Alumina	4 553	5 174	5 107	5 518
Iron and steel, primary or semi-finished	4 418	2 763	3 650	3 329
Copper, primary or semi-finished	417	1 137	611	613
Aluminum, primary or semi-finished	1 451	1 528	1 460	1 975
Other nonferrous metals, primary or semi-finished	1 020	413	454	451
Articles of metal-based products	–	1 121	944	742
Metallic waste and scrap	1 563	2 049	2 022	1 978
Total metallic mineral products	13 422	14 186	14 248	14 606
<b>NONMETALLIC MINERAL PRODUCTS</b>				
Sulphuric acid	2 561	2 245	2 384	2 324
Fertilizers (excluding potash)	5 038	4 963	5 041	4 519
Cement	2 084	2 261	2 443	2 430
Other nonmetallic mineral products	2 023	1 040	828	1 149
Total nonmetallic mineral products	11 706	10 509	10 696	10 422
<b>MINERAL FUEL PRODUCTS</b>				
Gasoline and aviation turbine fuel	1 604	1 494	1 539	1 532
Fuel oils and crude petroleum	1 505	3 297	3 357	3 947
Gaseous hydrocarbons, including liquefied petroleum gases	3 814	4 258	4 451	4 451
Coal coke and petroleum coke	1 361	1 253	1 344	1 288
Other refined petroleum and coal products	3 606	1 881	1 994	2 083
Total mineral fuel products	11 890	12 183	12 685	13 301
Total processed mineral products	37 198	36 878	37 629	38 329
Total revenue freight (1) moved by Canadian railways	279 511	236 674	252 116	239 623
Processed mineral products as a percentage of total revenue freight	13.3	15.6	14.9	16.0

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

– Nil.

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

Note: 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 will be used for this table. Statistics for 1998 have been recently recalculated using the monthly data series.

**TABLE 39. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1961-2001**

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 (r)	288.9	118.2	31.5	149.7	51.8
1998 (r)	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	239.6	105.2	38.3	143.5	59.0

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.

Note: 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 will be used for this table. Statistics for 1997 and 1998 have been recalculated using the monthly data series.

TABLE 40. CANADA, CRUDE MINERALS LOADED AND UNLOADED IN COASTWISE SHIPPING, 2000

	Loaded						Unloaded					
	Arctic	Atlantic	St. Lawrence	Great Lakes	Mackenzie	Pacific	Total	Arctic	Atlantic	St. Lawrence	Great Lakes	Mackenzie
	(tonnes)											
<b>METALLIC MINERALS</b>												
Iron ore and concentrates	–	–	6 495 696	–	–	–	6 495 696	–	36 612	1 209 566	5 318 985	–
Aluminum ores and concentrates	–	–	20 000	–	–	–	20 000	–	–	–	20 000	–
Other ores and concentrates	–	20 100	3 004 830	–	–	–	3 024 930	–	–	2 999 632	25 298	–
Total metallic minerals	–	20 100	9 520 526	–	–	–	9 540 626	–	36 612	4 209 198	5 364 283	–
<b>NONMETALLIC MINERALS</b>												
Salt	–	1 142 994	–	1 515 168	–	153 620	2 811 782	–	399 173	1 132 009	1 126 980	–
Limestone	–	640 237	–	1 876 520	–	1 123 605	3 640 362	–	173 768	466 469	1 876 520	–
Stone, sand and gravel	–	281 348	–	1 887 592	–	1 614 014	3 782 954	–	175 382	277 872	1 715 685	–
Potash	–	–	–	66 423	–	–	–	–	–	15 518	50 905	–
Sulphur	–	–	–	–	–	–	66 423	–	–	–	–	–
Other mineral products (including clays, coal briquettes, greases and asphalt)	–	950 975	73 357	570 875	–	–	1 595 207	–	233 311	801 432	560 464	–
Total nonmetallic minerals	–	3 015 554	73 357	5 916 578	–	2 891 239	11 896 728	–	981 634	2 693 300	5 330 554	–
<b>MINERAL FUELS</b>												
Coal and coke	–	–	–	270 385	–	128 152	398 537	–	–	–	270 385	–
Crude petroleum	–	4 981 532	2 376	1 354	–	–	4 985 262	–	4 831 640	39 821	–	–
Total mineral fuels	–	4 981 532	2 376	271 739	–	128 152	5 383 799	–	4 831 640	39 821	20 385	–
Total crude minerals	–	8 017 186	9 596 259	6 188 317	–	3 019 391	26 821 153	–	5 849 886	6 942 319	10 965 222	–
Total all commodities (1)	801 146	11 565 838	13 222 895	13 223 504	7 804	16 674 509	55 495 696	920 739	9 870 377	13 241 420	14 706 158	9 247
Crude minerals as a percentage of all products		69.3	72.6	46.8		18.1	48.3		59.3	52.4	74.6	

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 41. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED IN COASTWISE SHIPPING, 2000

	Loaded						Unloaded							
	Arctic	Atlantic	St-Lawrence	Great Lakes	Mackenzie	Pacific	Total	Arctic	Atlantic	St. Lawrence	Great Lakes	Mackenzie	Pacific	Total
	(tonnes)													
<b>METALLIC MINERALS PRODUCTS</b>														
Iron, steel and alloys	-	-	1 509	12 491	-	6 520	20 520	-	-	-	14 000	-	6 520	20 520
Other nonferrous metal products	-	-	187 119	-	-	-	187 119	-	-	187 119	-	-	-	187 119
Other base-metal products	-	111	41 805	-	-	14 300	56 216	-	2 236	39 680	-	-	14 300	56 216
Metallic waste and scrap	-	-	3 344	253 003	-	27 576	283 923	-	-	28 589	227 758	-	27 576	-
Total metallic mineral products	-	111	233 777	265 494	-	48 396	547 778	-	2 236	255 388	241 758	-	48 396	547 778
<b>NONMETALLIC MINERALS PRODUCTS</b>														
Cement and related products	-	-	64 164	390 896	-	31 550	486 610	-	-	3 682	451 378	-	31 550	486 610
Other fabricated nonmetallic minerals, n.e.s.	-	31 004	-	-	-	-	31 004	-	-	31 004	-	-	-	31 004
Nonmetallic waste and scrap	-	-	56 855	-	-	300 287	357 142	-	-	56 855	-	-	300 287	357 142
Total nonmetallic mineral products	-	31 004	121 019	390 896	-	331 837	874 756	-	-	91 541	451 378	-	331 837	874 756
<b>MINERAL FUEL PRODUCTS</b>														
Gasoline and aviation turbine fuel	756 416	1 275 371	848 789	194 381	1 610	75 378	3 151 945	769 456	1 394 300	528 713	363 703	3 370	75 378	3 134 920
Petroleum coke	-	-	-	49 885	-	-	49 885	-	-	29 568	20 317	-	-	49 885
Other fabricated mineral fuels, n.e.s.	35 110	1 692 035	1 550 720	1 265 987	6 194	59 423	4 609 469	61 237	1 588 728	1 550 611	1 312 681	5 785	59 423	4 578 465
Total mineral fuel products	791 526	2 967 406	2 399 509	1 510 253	7 804	134 801	7 811 299	830 693	2 983 028	2 108 892	1 696 701	9 155	134 801	7 763 270
Total fabricated mineral products	791 526	2 998 521	2 754 305	2 166 643	7 804	515 034	9 233 833	830 693	2 985 264	2 455 821	2 389 837	9 155	515 034	9 185 804
Total all commodities (1)	801 146	11 565 838	13 222 895	13 223 504	7 804	16 674 509	55 495 696	920 739	9 870 377	13 241 420	14 706 158	9 247	16 665 428	55 413 369
Fabricated minerals as a percentage of all commodities	98.8	25.9	20.8	16.4	100.0	3.1	16.6	90.2	30.2	18.5	16.3	99.0	3.1	16.6

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.

- Nil.

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

**TABLE 42. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN COASTWISE SHIPPING, 1961-2000**

Year	Total All Commodities (1)	Total Crude Minerals	Total Processed Minerals	Crude Minerals and Processed Mineral Products as a Percentage of All Products
		(000 tonnes)	(000 tonnes)	(%)
1961	41 861	9 527	8 857	43.9
1962	39 763	8 361	9 768	45.6
1963	40 328	7 998	9 942	44.5
1964	47 171	8 522	11 194	41.8
1965	48 200	9 183	11 766	43.5
1966	55 122	10 155	12 653	41.4
1967	49 799	11 509	12 207	47.6
1968	50 921	13 698	13 245	52.9
1969	51 890	12 746	14 181	51.9
1970	57 301	14 415	14 818	51.0
1971	55 128	14 783	15 374	54.7
1972	55 326	14 197	15 290	53.3
1973	55 314	16 573	15 615	58.2
1974	53 633	11 723	16 575	52.8
1975	54 373	15 687	17 510	61.1
1976	53 882	15 924	16 208	59.6
1977	58 309	18 131	17 435	61.0
1978	60 668	18 318	16 619	57.6
1979	79 950	22 130	17 486	49.6
1980	82 761	22 947	17 134	48.4
1981	71 271	17 849	16 669	48.4
1982	65 881	16 473	13 214	45.1
1983	67 598	21 248	12 025	49.2
1984	68 698	22 798	11 909	50.5
1985	61 717	19 867	10 291	48.9
1986	60 506	19 901	10 264	49.9
1987	67 572	20 969	11 118	47.5
1988	69 974	23 325	11 676	50.0
1989	62 016	22 963	11 825	56.1
1990	60 360	22 430	16 096	63.8
1991	58 430	19 624	10 370	51.3
1992	52 262	22 125	9 325	60.2
1993	49 976	21 088	8 168	58.5
1994	51 534	21 221	9 510	59.6
1995	50 370	20 626	8 825	58.5
1996	48 829	22 393	7 634	61.5
1997	46 639	20 298	7 461	59.5
1998	47 928	23 358	8 142	65.7
1999	50 791	25 076	7 556	64.2
2000	55 496	26 821	9 234	65.0

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, CRUDE MINERALS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 1998-2000**

	1998		1999		2000	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
<b>METALLIC MINERALS</b>						
Iron ore and concentrates	30 793 211	7 631 659	28 031 061	7 526 759	29 871 259	7 414 681
Aluminum ores and concentrates	84 099	2 912 687	15 586	2 841 851	—	2 825 699
Lead and zinc ores and concentrates	990 191	560 450	..	..	..	..
Copper and nickel ores and concentrates	712 123	383 969	474 800	458 345	754 735	641 056
Other metallic ores and concentrates	2 065 168	250 453	2 340 790	922 602	1 059 218	616 231
Metallic waste and scrap	..	..	..	..	2 132 949	132 743
<b>Total metallic minerals</b>	<b>34 644 792</b>	<b>11 739 218</b>	<b>30 862 237</b>	<b>11 749 557</b>	<b>33 818 161</b>	<b>11 630 410</b>
<b>NONMETALLIC MINERALS</b>						
Limestone	2 843 399	2 979 514	2 807 913	2 932 627	2 619 650	2 769 477
Stone, sand and gravel	857 713	782 724	1 181 787	369 750	7 054 625	777 262
Salt	4 187 659	989 121	3 717 679	1 096 312	3 488 111	852 116
Sulphur	5 231 603	86	5 379 066	309	5 518 670	8 607
Potash	4 764 411	18	4 834 806	6 656	5 118 366	—
Other nonmetallic mineral products	5 895 738	3 112 470	12 986 306	3 273 108	7 928 137	1 612 986
<b>Total nonmetallic minerals</b>	<b>23 780 523</b>	<b>7 863 933</b>	<b>30 907 557</b>	<b>7 678 762</b>	<b>31 727 559</b>	<b>6 020 448</b>
<b>MINERAL FUELS</b>						
Coal and coke	33 682 218	19 443 252	32 312 668	20 561 540	30 757 341	22 728 941
Crude petroleum	9 310 254	27 903 439	9 281 348	28 450 563	12 406 490	29 198 583
<b>Total mineral fuels</b>	<b>42 992 472</b>	<b>47 346 691</b>	<b>41 594 016</b>	<b>49 012 103</b>	<b>43 163 831</b>	<b>51 927 524</b>
<b>Total crude minerals</b>	<b>101 417 787</b>	<b>66 949 842</b>	<b>103 363 810</b>	<b>68 440 422</b>	<b>108 709 551</b>	<b>69 578 382</b>
<b>Total all commodities (1)</b>	<b>178 893 100</b>	<b>100 457 100</b>	<b>179 172 916</b>	<b>101 485 641</b>	<b>187 704 005</b>	<b>105 933 346</b>
Crude minerals as a percentage of all commodities	56.7	66.6	57.7	67.4	57.9	65.7

Source: Statistics Canada.

— Nil; .. Not available.

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

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



**TABLE 44. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, <sup>(1)</sup> 1998-2000**

	1998		1999		2000	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
<b>METALLIC MINERAL PRODUCTS</b>						
Iron, steel and alloys	1 249 954	5 065 878	145 844	1 079 083	519 265	4 026 614
Nonferrous metals, n.e.s.	1 030 974	4 253 307	885 477	4 112 018	1 099 106	5 844 308
Total metallic mineral products	2 280 928	9 319 185	1 031 321	5 191 101	1 618 371	9 870 922
<b>NONMETALLIC MINERAL PRODUCTS</b>						
Cement and related products	3 453 497	675 398	3 525 229	713 202	3 094 127	633 424
Other nonmetallic minerals, n.e.s.	2 272 853	1 801 768	1 273 210	743 659	1 127 099	876 850
Total nonmetallic mineral products	5 726 350	2 477 166	4 798 439	1 456 861	4 221 226	1 510 274
<b>MINERAL FUEL PRODUCTS</b>						
Gasoline	3 963 390	1 788 736	4 326 864	1 851 140	4 707 087	2 262 669
Fuel oil	3 808 619	3 340 323	3 775 318	2 282 998	5 848 103	2 903 795
Coke, petroleum and coal products	518 117	1 071 176	441 624	1 346 534	685 078	1 742 630
Other mineral fuels, n.e.s.	121 098	676 223	2 895 947	1 613 047	723 043	905 100
Total mineral fuel products	8 411 224	6 876 458	11 439 753	7 093 719	11 963 311	7 814 194
Total processed mineral products	16 418 502	18 672 809	17 269 513	13 741 681	17 802 908	19 195 390
Total all commodities (1)	178 893 100	100 457 100	179 172 916	101 485 641	187 704 005	105 933 346
Processed mineral products as a percentage of all commodities	9.2	18.6	9.6	13.5	9.5	18.1

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 45. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS  
LOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 1961-2000**

Year	Total All Commodities (1)	Total Crude Minerals	Total Processed Minerals	Crude Minerals and Processed Mineral Products as a Percentage of All Products
(000 tonnes)				
1961	48 771	23 241	2 133	52.0
1962	54 676	30 446	2 296	59.9
1963	62 031	32 214	2 503	56.0
1964	75 760	42 087	2 602	59.0
1965	74 521	41 338	2 746	59.2
1966	76 192	41 374	3 350	58.7
1967	72 598	42 704	3 701	63.9
1968	78 663	48 680	2 960	65.6
1969	70 432	42 442	3 456	65.2
1970	95 807	55 849	4 965	63.5
1971	95 887	53 245	5 022	60.8
1972	98 988	51 912	9 091	61.6
1973	112 434	64 195	10 103	66.1
1974	106 110	64 093	9 041	68.9
1975	102 444	61 970	7 495	67.8
1976	114 815	71 527	6 108	67.6
1977	119 770	70 257	5 979	63.7
1978	116 522	62 291	7 556	59.9
1979	134 639	79 685	8 901	65.8
1980	138 161	67 898	11 770	57.7
1981	145 445	83 007	9 022	63.3
1982	125 282	65 594	7 115	58.0
1983	129 490	67 152	6 197	56.6
1984	145 322	82 752	7 986	62.4
1985	143 421	83 878	10 814	66.0
1986	144 561	84 720	8 303	64.3
1987	158 994	86 085	10 488	60.7
1988	171 064	98 934	12 227	65.0
1989	159 069	90 807	13 624	65.7
1990	159 039	88 504	15 107	65.1
1991	168 030	90 165	16 138	63.3
1992	153 786	78 600	14 643	60.6
1993	152 162	81 418	16 723	64.5
1994	169 463	94 423	15 725	65.0
1995	176 540	100 103	16 346	66.0
1996	174 306	96 952	18 580	66.3
1997	187 717	110 983	18 467	69.0
1998	178 893	107 719	16 419	69.4
1999	179 173	103 364	17 269	67.3
2000	187 704	108 709	17 803	67.4

Source: Statistics Canada.

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

**TABLE 46. CANADA, CAPITAL AND REPAIR EXPENDITURES BY SELECTED INDUSTRIAL SECTOR, 2000-02**

		Capital Expenditures			Repair Expenditures		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Agriculture, forestry, fishing and hunting	2000	1 586.2	2 607.6	4 193.8	752.1	2 594.6	3 346.7
	2001 (p)	1 544.5	2 600.6	4 145.1	..	..	..
	2002 (i)	1 585.3	2 657.8	4 243.1	..	..	..
Mining (1)	2000	21 264.9	3 512.7	24 777.6	695.3	2 099.1	2 794.4
	2001 (p)	23 539.6	5 470.9	29 010.5	..	..	..
	2002 (i)	19 083.8	5 540.4	24 624.2	..	..	..
Manufacturing	2000	4 410.8	17 673.5	22 084.3	1 271.1	8 918.0	10 189.1
	2001 (p)	3 003.7	15 090.1	18 093.8	..	..	..
	2002 (i)	2 892.7	15 013.7	17 906.4	..	..	..
Construction	2000	332.0	2 467.9	2 799.9	64.5	1 061.4	1 125.9
	2001 (p)	351.7	2 596.6	2 948.3	..	..	..
	2002 (i)	360.7	2 655.0	3 015.7	..	..	..
Transportation and warehousing	2000	5 164.0	5 572.8	10 736.8	1 318.5	4 099.1	5 417.6
	2001 (p)	4 648.6	6 471.4	11 120.0	..	..	..
	2002 (i)	4 488.2	5 639.7	10 127.8	..	..	..
Utilities	2000	4 971.2	3 108.4	8 079.6	1 143.2	1 013.3	2 156.5
	2001 (p)	5 736.2	3 386.0	9 122.2	..	..	..
	2002 (i)	6 416.6	4 340.3	10 756.9	..	..	..
Wholesale and retail trade	2000	2 635.5	6 021.0	8 656.5	523.1	839.3	1 362.4
	2001 (p)	2 636.5	6 123.0	8 759.5	..	..	..
	2002 (i)	2 841.7	6 192.8	9 034.5	..	..	..
Housing	2000	40 845.3	–	40 845.3	5 709.7	0.0	5 709.7
	2001 (p)	43 073.5	–	43 073.5	..	..	..
	2002 (i)	43 626.1	–	43 626.1	..	..	..
Total (2)	2000	104 937.2	82 420.9	187 358.1	17 124.7	24 747.4	41 872.1
	2001 (p)	111 870.0	83 984.8	195 854.8	..	..	..
	2002 (i)	109 006.2	84 971.6	193 977.8	..	..	..
Mining as a percentage of total	2000	20.3	4.3	13.2	4.1	8.5	6.7
	2001 (p)	21.0	6.5	14.8	..	..	..
	2002 (i)	17.5	6.5	12.7	..	..	..

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 (NAICS).

**TABLE 47. CANADA, CAPITAL AND REPAIR EXPENDITURES IN THE MINERAL INDUSTRY <sup>(1)</sup> BY PROVINCE AND TERRITORY, 2000-02**

Province/ Territory		Capital Expenditures			Repair Expenditures		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Newfoundland and Labrador	2000	x	x	1 232.1	x	x	x
	2001 (p)	x	x	1 100.7	..	..	..
	2002 (i)	x	x	946.9	..	..	..
Prince Edward Island	2000	0.1	x	x	x	x	0.1
	2001 (p)	5.0	x	x	..	..	..
	2002 (i)	3.2	x	x	..	..	..
Nova Scotia	2000	640.4	57.0	697.4	2.1	49.9	52
	2001 (p)	631.9	42.9	674.8	..	..	..
	2002 (i)	745.4	80.1	825.5	..	..	..
New Brunswick	2000	89.6	42.7	132.3	x	23.5	x
	2001 (p)	74.1	31.5	105.6	..	..	..
	2002 (i)	74.7	22.9	97.6	..	..	..
Quebec	2000	943.5	247.4	1 190.9	28.2	331.0	359.3
	2001 (p)	652.1	167.1	819.2	..	..	..
	2002 (i)	417.5	122.9	540.4	..	..	..
Ontario	2000	567.4	257.4	824.8	49.6	297.4	347.0
	2001 (p)	522.5	268.5	791.0	..	..	..
	2002 (i)	412.1	237.5	649.6	..	..	..
Manitoba	2000	206.3	29.7	236.0	6.1	45.7	51.8
	2001 (p)	214.9	19.6	234.5	..	..	..
	2002 (i)	206.8	56.9	263.7	..	..	..
Saskatchewan	2000	1 848.4	142.9	1 991.3	67.0	159.9	226.9
	2001 (p)	1 615.3	157.1	1 772.4	..	..	..
	2002 (i)	1 397.1	186.9	1 584.0	..	..	..
Alberta	2000	13 493.3	2 538.4	16 031.7	411.8	758.3	1 170.1
	2001 (p)	15 361.6	4 394.1	19 755.7	..	..	..
	2002 (i)	12 286.2	4 524.2	16 810.4	..	..	..
British Columbia	2000	1 613.8	135.2	1 749.0	97.2	261.5	358.7
	2001 (p)	2 234.4	226.0	2 460.4	..	..	..
	2002 (i)	1 717.8	162.8	1 880.6	..	..	..
Yukon	2000	17.4	0.4	17.8	x	x	3.1
	2001 (p)	17.0	0.9	17.9	..	..	..
	2002 (i)	18.5	5.7	24.2	..	..	..
Northwest Territories	2000	565.2	41.1	606.3	5.8	55.0	60.8
	2001 (p)	1 140.1	60.3	1 200.4	..	..	..
	2002 (i)	890.7	50.6	941.3	..	..	..
Total Canada	2000	21 264.9	3 512.7	24 777.6	695.3	2 099.1	2 794.4
	2001 (p)	23 539.6	5 470.9	29 010.5	..	..	..
	2002 (i)	19 083.8	5 540.4	24 624.2	..	..	..

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 (NAICS).

**TABLE 48. CANADA, CAPITAL AND REPAIR <sup>(1)</sup> EXPENDITURES IN THE MINING AND OIL AND GAS EXTRACTION INDUSTRIES, 2000-02**

	2000			2001 (p)	2002 (i)
	Capital	Repair	Total	Capital	Capital
(\$ millions)					
<b>MINING</b>					
Metal ore mining					
Iron	254.3	175.6	429.9	303.2	147.50
Gold and silver	564.6	259.0	823.6	353.9	325.80
Lead-zinc	x	x	x	x	48.10
Nickel-copper	293.5	169.6	463.1	275.2	x
Copper-zinc	252.4	171.9	424.3	261.8	204.00
Uranium	x	x	x	x	x
Other metal mines	442.2	40.1	482.3	305.9	108.70
<b>Total</b>	<b>2 142.7</b>	<b>964.5</b>	<b>3 107.2</b>	<b>1 670.8</b>	<b>1 251.70</b>
Nonmetallic mineral mining and quarrying					
Stone	98.9	41.1	140.0	45.0	39.60
Sand and gravel, clay, and ceramic and refractory materials	50.3	30.3	80.6	52.5	37.40
Asbestos	x	x	x	x	x
Gypsum	34.3	16.9	51.2	18.5	40.90
Potash	120.8	79.1	199.9	142.6	129.90
Peat	x	x	x	x	x
Other nonmetal mines	349.4	125.1	474.5	668.6	501.20
<b>Total</b>	<b>751.4</b>	<b>323.8</b>	<b>1 075.2</b>	<b>995.8</b>	<b>820.50</b>
Coal	115.1	187.6	302.7	159.3	242.40
Oil and gas extraction	20 767.5	1 007.2	21 774.7	25 006.7	21 515.50
Support activities for mining and oil and gas extraction	1 000.8	311.4	1 312.2	1 177.8	793.90
<b>Total mineral industry</b>	<b>24 777.5</b>	<b>2 794.5</b>	<b>27 572.0</b>	<b>29 010.4</b>	<b>24 624.00</b>

Source: Statistics Canada.

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

(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 (NAICS).