

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 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 to provide your input.)

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TABLE 1. MINERAL PRODUCTION OF CANADA, 1997-2000P

	Unit	1997		1998		1999		2000p		
		(000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	(\$000)
METALS										
Antimony	kg		529	1 610	359	845	357	733	364	775
Bismuth	kg		196	1 956	186	2 078	217	2 402	202	2 323
Cadmium	kg		1 272	1 991	1 179	1 104	1 115	647	1 095	576
Calcium	kg		x	x	x	x	x	x	x	x
Cesium, pollucite	kg		x	x	x	x	x	x	x	x
Cobalt	kg		2 168	154 408	2 262	158 643	2 014	112 285	2 013	101 080
Columbium (niobium)	kg		2 253	x	2 194	x	2 313	x	2 170	x
Copper	kg		647 779	2 050 869	690 762	1 695 820	581 583	1 366 138	623 451	1 687 681
Germanium	kg		x	x	x	x	x	x	x	x
Gold	g		171 479	2 527 429	164 773	2 312 593	157 617	2 099 302	153 781	2 045 444
Ilmenite	t		x	x	x	x	x	x	x	x
Indium	g		x	x	x	x	x	x	x	x
Iron ore	t		38 928	1 571 741	36 586	1 646 419	33 990	1 406 296	35 707	1 540 837
Iron, remelt	t		x	x	x	x	x	x	x	x
Lead	kg		170 847	147 612	150 019	117 615	155 369	115 905	143 049	95 843
Lithium	kg		x	x	x	x	x	x	x	x
Magnesium	kg		x	x	x	x	x	x	x	x
Molybdenum	kg		7 594	87 582	8 099	98 752	6 250	59 558	6 833	64 399
Nickel	kg		180 624	1 775 898	197 947	1 411 167	176 749	1 591 805	181 027	2 357 518
Platinum group	g		11 836	134 242	14 033r	214 883r	13 872	250 466	15 439	464 499
Rare earths	t		-	-	-	-	-	-	-	-
Rhenium	kg		-	-	-	-	-	-	-	-
Rubidium	kg		-	-	-	-	x	x	-	-
Selenium	kg		592	5 045	398	2 960	359	2 677	350	4 314
Silver	kg		1 194	260 024	1 140	301 089	1 174	294 516	1 161	277 306
Strontium	kg		x	x	x	x	x	x	x	x
Tantalum	kg		60	7 230	70	9 863	66	9 304	69	9 952
Tellurium	kg		59	831	62	742	64	710	80	515
Tin	kg		-	-	-	-	-	-	-	-
Tungsten	kg		-	-	-	-	-	-	-	-
Uranium	kg		11 127	553 900	9 992	508 038	10 157	525 873	9 919	485 328
Vanadium	kg		-	-	-	-	-	-	-	-
Yttrium	kg		-	-	-	-	-	-	-	-
Zinc	kg		1 026 864	1 870 946	991 584	1 507 208	963 321	1 540 350	935 686	1 567 274
Total metals			11 549 178		10 429 061		9 796 502		11 078 873	
NONMETALS										
Asbestos	t		420	214 910	321	167 386	337	161 000	320	143 900
Barite	t		84	7 119	86	9 142	67	6 900	20	4 156
Bentonite	t		-	-	-	-	-	-	-	-
Cement	r		11 736	1 062 708	12 124	1 147 757	12 634	1 232 151	12 612	1 258 697
Clay products			x	136 324	..	135 814	..	164 718	..	175 449
Diamonds	carats		-	-	203	40 755	2 429	606 254	2 558	638 161
Diatomite	t		-	-	-	-	-	-	-	-
Fluorspar	t		-	-	-	-	-	-	-	-
Gemstones	kg		407	1 482	159	631	218	602	200	544
Graphite	t		x	x	x	x	x	x	x	x
Gypsum	t		8 628	95 263	8 307	94 349	9 345	106 634	8 548	95 853
Lime	t		2 477	213 038	2 461	214 966	2 565	238 893	2 547	240 216
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		648	51 319	636	53 405	676	57 400	703	60 593
Peat	t		1 054	146 404	1 125	166 542	1 180	163 857	1 194	167 830
Perlite	t		-	-	-	-	-	-	-	-
Phosphates	t		-	-	-	-	94	18 427	x	x
Potash	t		9 235	1 528 341	8 884	1 747 985	8 475	1 634 041	9 107	1 714 453
Potassium sulphate	t		x	x	x	x	x	x	x	x
Pumice	t		x	x	x	x	x	x	x	x
Quartz	t		1 690	40 198	1 771	41 849	1 584	41 349	1 520	40 808
Salt	t		13 497	405 509	13 034	390 677	12 686	373 619	11 935	346 512
Sand and gravel	t		225 494	829 190	225 338	875 226	242 369	958 215	246 331	956 209
Serpentine	t		x	x	x	x	x	x	x	x
Soapstone, talc and pyrophyllite	t		72	14 908	72	15 545	79	21 108	86	23 923
Sodium antimonate	t		-	-	-	-	-	-	-	-
Sodium sulphate	t		285	29 040	258	27 080	x	x	x	x
Stone	t		99 265	644 162	108 924	727 947	109 184	775 499	112 348	821 926
Sulphur in smelter gas	t		800	59 462	836	55 451	843	57 851	849	54 520
Sulphur, elemental	t		8 272	84 129	8 404	62 109	8 656	96 969	8 515	98 370
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			..	5 912 393	..	6 527 184	..	7 315 406	..	7 448 509
MINERAL FUELS										
Coal	t		78 670	1 920 150	75 360	1 764 770	72 497	1 474 495	69 149	1 315 280
Natural gas	000 m ³		156 171	10 719 153	160 515	10 893 493	162 219	14 192 201	166 078	27 581 160
Natural gas by-products	m ³		26 427	2 599 598	26 666	1 763 072	28 805	2 534 713	29 600	5 298 916
Petroleum	m ³		123 827	17 837 834	128 401	12 940 149	122 247	18 698 282	131 631	31 503 238
Total fuels			33 076 735		27 361 484		..	36 899 691	..	65 698 594
Total all minerals			50 538 306		44 317 729		54 011 600		84 225 976	

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, 1973-2000

Year	Value of Mineral Production					Per Capita Value of Mineral Production	Population of Canada
	Metals	Nonmetals	Structural Materials		Total		
			Fuels				
	(\$ millions)					(\$)	(000)
1973	3 947	615	678	3 227	8 467	375.31	22 560
1974	4 934	896	835	5 202	11 867	518.78	22 875
1975	5 022	939	959	6 653	13 574	584.86	23 209
1976	5 344	1 166	1 107	8 109	15 726	668.68	23 518
1977	6 031	1 363	1 249	9 873	18 516	778.11	23 796
1978	5 746	1 481	1 508	11 578	20 313	845.11	24 036
1979	8 006	1 870	1 646	15 117	26 638	1 097.25	24 277
1980	9 777	2 531	1 624	17 944	31 875	1 296.10	24 593
1981	8 841	2 714	1 777	19 046	32 378	1 300.32	24 900
1982	6 953	2 105	1 736	23 038	33 831	1 342.39	25 202
1983	7 528	2 021	1 836	27 154	38 539	1 513.95	25 456
1984	8 897	2 538	1 955	30 399	43 789	1 703.72	25 702
1985	8 745	2 736	2 128	31 120	44 730	1 724.23	25 942
1986	8 819	2 523	2 341	18 763	32 446	1 238.21	26 204
1987	10 962	2 381	2 744	20 274	36 361	1 369.53	26 550
1988	13 608	2 757	2 817	17 773	36 955	1 374.05	26 895
1989	13 982	2 706	2 860	19 785	39 333	1 436.61	27 379
1990	12 500	2 529	2 760	22 990	40 778	1 467.31	27 791
1991	10 462	2 407	2 376	19 945	35 190	1 251.42	28 120
1992	10 210	2 239	2 234	20 901	35 584	1 246.72	28 542
1993	8 871	2 147	2 312	23 214	36 545	1 262.48	28 947
1994	9 750	2 648	2 544	26 243	41 185	1 418.41	29 036
1995	12 173	2 906	2 530	25 759	43 367	1 477.38	29 354
1996	11 697	2 766	2 642	32 581	49 687	1 674.54	29 672
1997	11 549	3 027	2 885	33 077	50 538	1 685.33	29 987
1998	10 429	3 425	3 102	27 361	44 318	1 465.20	30 247
1999	9 797	3 946	3 369	36 900	54 012	1 771.40	30 491
2000 ^p	11 079	3 996	3 452	65 699	84 226	2 739.10	30 750

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, 2000^p

Province/Territory	Metals		Nonmetals		Mineral Fuels		Total	
	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)
Newfoundland	996 624	9.0	38 928	0.5	2 207 925	3.4	3 243 477	3.9
Prince Edward Island	—	—	5 197	0.1	—	—	5 197	...
Nova Scotia	—	—	225 640	3.0	977 063	1.5	1 202 703	1.4
New Brunswick	522 973	4.7	243 428	3.3	24 172	0.0	790 573	0.9
Quebec	2 248 183	20.3	1 368 286	18.4	—	—	3 616 469	4.3
Ontario	3 715 804	33.5	1 986 258	26.7	164 605	0.3	5 866 666	7.0
Manitoba	1 014 484	9.2	75 742	1.0	169 650	0.3	1 259 876	1.5
Saskatchewan	513 682	4.6	1 699 705	22.8	6 279 831	9.6	8 493 217	10.1
Alberta	256	...	657 224	8.8	50 183 857	76.4	50 841 338	60.4
British Columbia	1 572 066	14.2	499 213	6.7	5 202 536	7.9	7 273 815	8.6
Yukon	51 942	0.5	3 075	—	48 412	0.1	103 429	0.1
Northwest Territories	58 396	0.5	645 815	8.7	440 542	0.7	1 144 752	1.4
Nunavut	384 464	3.5	—	—	—	—	384 464	0.5
Total	11 078 873	100.0	7 448 509	100.0	65 698 594	100.0	84 225 976	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, 1993-2000

Province/Territory	1993	1994	1995	1996	1997	1998	1999	2000P
(\$ millions)								
Alberta	18 925	21 119	20 676	26 218	26 671	21 886	29 215	50 841
Saskatchewan	3 238	4 225	4 580	5 331	5 508	4 796	5 997	8 493
British Columbia	3 538	4 066	4 501	4 340	4 681	4 466	4 538	7 274
Ontario	4 534	4 921	5 825	5 718	5 615	5 044	5 224	5 867
Quebec	2 692	2 956	3 338	3 415	3 437	3 560	3 657	3 616
Newfoundland	699	837	878	906	1 038	1 539	1 918	3 243
Manitoba	862	820	1 022	1 002	1 126	967	895	1 260
Nova Scotia	554	608	560	593	481	453	380	1 203
Northwest Territories	585	680	766	781	799	585	893	1 145
New Brunswick	772	862	1 021	955	953	863	849	791
Nunavut	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	349	384
Yukon	141	86	196	426	225	150	89	103
Prince Edward Island	4	3	4	4	3	6	7	5
Total	36 545	41 185	43 367	49 687	50 538	44 318	54 012	84 226

Sources: Natural Resources Canada; Statistics Canada.

n.a. Not applicable; P Preliminary.

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

TABLE 5. CANADA, PRODUCTION OF LEADING MINERALS, 1999 AND 2000P

		Volume		Percent Change 2000/1999	Value		Percent Change 2000/1999
		1999	2000P		1999	2000P	
		(000 tonnes except where noted)		(\$ millions)			
METALS							
Nickel		176.7	181.0	2.4	1 591.8	2 357.5	48.1
Gold	kg	157 617.1	153 781.2	-2.4	2 099.3	2 045.4	-2.6
Copper		581.6	623.5	7.2	1 366.1	1 687.7	23.5
Zinc		963.3	935.7	-2.9	1 540.3	1 567.3	1.7
Iron ore		33 990.0	35 706.6	5.1	1 406.3	1 540.8	9.6
Uranium	tU	10 157.0	9 918.8	-2.3	525.9	485.3	-7.7
Platinum group	kg	13 872.3	15 438.8	11.3	250.5	464.5	85.5
Silver	t	1 174.3	1 160.9	-1.1	294.5	277.3	-5.8
NONMETALS							
Potash (K ₂ O equivalent)		8 475.3	9 106.8	7.5	1 634.0	1 714.5	4.9
Cement		12 634.4	12 612.0	-0.2	1 232.2	1 258.7	2.2
Sand and gravel		242 369.0	246 331.2	1.6	958.2	956.1	-0.2
Stone		109 183.7	112 348.4	2.9	775.5	821.9	6.0
Diamonds	000 carats	2 428.8	2 558.0	5.3	606.3	638.2	5.3
Salt		12 685.9	11 935.2	-5.9	373.6	346.5	-7.3
Lime		2 565.5	2 546.5	-0.7	238.9	240.2	0.6
Clay products		..	..	..	164.7	175.4	6.5
Peat		1 179.8	1 193.6	1.2	163.9	167.8	2.4
Asbestos		337.4	320.0	-5.1	161.0	143.9	-10.6
MINERAL FUELS							
Petroleum crude	000 m ³	122 247.4	131 631.3	7.7	18 698.3	31 503.2	68.5
Natural gas	million m ³	162 218.5	166 077.9	2.4	14 192.2	27 581.2	94.3
Natural gas by-products	000 m ³	28 804.8	29 600.0	2.8	2 534.7	5 298.9	109.1
Coal		72 497.0	69 148.5	-4.6	1 474.5	1 315.3	-10.8

Sources: Natural Resources Canada; Statistics Canada, *Canada's Mineral Production, Preliminary Estimates*, cat. no. 26-202-XIB.

.. Not available; P Preliminary.

Note: Numbers have been rounded.

TABLE 6. PRODUCTION OF LEADING MINERALS, BY PROVINCE AND TERRITORY IN CANADA, 2000P

	Unit	Nfld.	P.E.I.	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon	N.W.T.	Nunavut	Total Canada
	(000)														
Crude oil and equivalent	m ³	8 532	—	363	—	—	240	629	24 179	92 969	3 186	—	1 535	—	131 631
	\$	2 207 925	—	98 016	—	—	67 684	169 650	5 073 189	22 669 809	835 475	—	381 490	—	31 503 238
Natural gas	000 m ³	—	—	3 434	—	—	587	—	6 252	133 688	21 128	449	541	—	166 078
	\$	—	—	796 094	—	—	96 921	—	1 062 751	22 177 128	3 340 802	48 412	59 052	—	27 581 160
Natural gas by-products	m ³	—	—	80	—	—	—	—	58	27 770	1 692	—	—	—	29 600
	\$	—	—	17 115	—	—	—	—	12 068	4 972 859	296 874	—	—	—	5 298 916
Nickel	kg	—	—	—	—	22 898	114 350	43 778	—	—	—	—	—	—	181 027
	\$	—	—	—	—	298 205	1 489 186	570 127	—	—	—	—	—	—	2 357 518
Gold	g	1 508	—	—	236	33 658	72 239	7 110	1 866	19	25 197	3 880	4 372	3 696	153 781
	\$	20 064	—	—	3 145	447 685	960 848	94 572	24 818	256	335 146	51 602	58 148	49 158	2 045 444
Potash (K ₂ O equivalent)	t	—	—	—	x	—	—	—	x	—	—	—	—	—	9 107
	\$	—	—	—	x	—	—	—	x	—	—	—	—	—	1 714 453
Copper	kg	—	—	—	9 423	92 778	203 711	47 258	625	—	269 656	—	—	—	623 451
	\$	—	—	—	25 507	251 150	551 446	127 928	1 692	—	729 959	—	—	—	1 687 681
Zinc	kg	—	—	—	237 535	197 928	85 365	80 929	1 033	—	147 710	—	—	185 185	935 686
	\$	—	—	—	397 871	331 529	142 966	135 557	1 731	—	247 415	—	—	310 184	1 567 274
Iron ore	t	21 092	—	—	—	14 516	—	—	—	—	99	—	—	—	35 707
	\$	976 432	—	—	—	x	—	—	—	—	x	—	—	—	1 540 837
Coal	t	—	—	1 165	243	—	—	—	10 879	30 986	25 875	—	—	—	69 149
	\$	—	—	65 838	24 172	—	—	—	131 823	364 061	729 385	—	—	—	1 315 280
Cement	t	x	—	x	—	2 830	5 344	—	—	x	1 919	—	—	—	12 612
	\$	x	—	x	—	240 549	507 182	—	—	x	201 443	—	—	—	1 258 697
Sand and gravel	t	2 837	244	2 408	3 721	25 405	115 478	9 158	10 960	41 525	32 915	1 142	539	—	246 331
	\$	7 043	1 144	11 303	11 721	82 774	413 459	26 785	34 098	196 580	163 422	3 075	4 805	—	956 209
Stone	t	4 938	—	7 951	3 436	29 375	55 204	4 351	—	431	6 479	—	184	—	112 348
	\$	29 095	—	46 328	19 212	215 234	434 935	18 890	—	4 752	50 631	—	2 848	—	821 926
Diamonds	carats	—	—	—	—	—	—	—	—	—	—	—	2 558	—	2 558
	\$	—	—	—	—	—	—	—	—	—	—	—	638 161	—	638 161
Uranium	kg	—	—	—	—	—	—	—	9 919	—	—	—	—	—	9 919
	\$	—	—	—	—	—	—	—	485 328	—	—	—	—	—	485 328
Titanium dioxide	t	—	—	—	—	x	—	—	—	—	—	—	—	—	x
	\$	—	—	—	—	x	—	—	—	—	—	—	—	—	x
Platinum group	g	—	—	—	—	—	x	x	—	—	—	—	—	—	15 439
	\$	—	—	—	—	—	x	x	—	—	—	—	—	—	464 499
Salt	t	—	—	x	x	x	7 174	—	717	1 310	—	—	—	—	11 935
	\$	—	—	x	x	x	200 002	—	31 273	21 659	—	—	—	—	346 512
Silver	kg	1	—	—	206	173	148	31	...	—	584	1	1	16	1 161
	\$	128	—	—	49 184	41 321	35 278	7 336	112	—	139 599	339	248	3 760	277 306
Lime	t	—	—	—	x	x	1 313	x	—	x	x	—	—	—	2 547
	\$	—	—	—	x	x	117 105	x	—	x	x	—	—	—	240 216
Iron, remelt	t	—	—	—	—	x	—	—	—	—	—	—	—	—	x
	\$	—	—	—	—	x	—	—	—	—	—	—	—	—	x
Clay products	x	—	—	x	—	—	134 036	—	x	x	x	—	—	—	175 449
Peat	t	4	24	x	471	374	—	x	x	156	—	—	—	—	1 194
	\$	378	4 053	x	59 621	49 128	—	x	x	23 615	—	—	—	—	167 830
Asbestos	t	—	—	—	—	320	—	—	—	—	—	—	—	—	320
	\$	—	—	—	—	143 900	—	—	—	—	—	—	—	—	143 900
Total leading minerals	\$	3 242 841	5 197	1 123 370	735 797	3 470 437	5 581 007	1 214 182	8 458 978	50 740 263	7 104 678	103 429	1 144 752	363 103	83 288 034
Total all minerals	\$	3 243 477	5 197	1 202 703	790 573	3 616 469	5 866 666	1 259 876	8 493 217	50 841 338	7 273 815	103 429	1 144 752	384 464	84 225 976
Leading minerals as a percentage of all minerals		99.98	100.0	93.40	93.07	95.96	95.13	96.37	99.60	99.80	97.67	100.0	100.0	94.44	98.89

Sources: Natural Resources Canada; Statistics Canada.

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

Notes: Certain minerals are not included in leading minerals due to confidentiality constraints. Confidential values are included in "Total all minerals." Numbers may not add to totals due to rounding.

TABLE 7. CANADA'S WORLD ROLE AS A PRODUCER OF CERTAIN IMPORTANT MINERALS, 1999^p

		World	Rank of Five Leading Countries				
			1	2	3	4	5
Potash (K ₂ O equivalent) (mine production)	000 t % of world total	25 849	Canada 8 304 32.1	C.I.S. 7 665 29.7	Germany 3 545 13.7	Israel 1 700 6.6	United States 1 300 5.0
Uranium (U concentrates) (mine production)	t % of world total	31 651	Canada 8 214 ^a 26.0	Australia 5 987 18.9	Niger 2 916 9.2	Namibia 2 687 8.5	Uzbekistan 2 100 6.6
Nickel (mine production)	000 t % of world total	1 088	Russia 235 21.6	Canada 186 17.1	Australia 126 11.6	New Caledonia 110 10.1	Indonesia 89 8.2
Gypsum (mine production)	000 t % of world total	109 686	United States 19 400 17.7	Canada 9 886 9.0	China 9 200 8.4	Iran 9 000 8.2	Thailand 9 000 8.2
Asbestos (mine production)	000 t % of world total	1 998	C.I.S. 683 34.2	China 400 20.0	Canada 340 17.0	Brazil 200 10.0	Zimbabwe 137 6.9
Titanium concentrate	000 t % of world total	6 220	Australia 2 212 35.6	South Africa 1 230 19.8	Canada 950 ^e 15.3	Norway 590 9.5	India 394 6.3
Zinc (mine production)	000 t % of world total	8 076	China 1 476 18.3	Australia 1 163 14.4	Canada 1 021 12.6	Peru 900 11.1	United States 843 10.4
Cadmium (refined production)	t % of world total	19 152	Japan 2 567 13.4	China 2 000 10.4	Canada 1 911 10.0	Mexico 1 275 6.7	Belgium 1 235 6.4
Platinum group metals (mine production)	kg % of world total	377 712	South Africa 224 900 59.5	Russia 115 700 30.6	Canada 13 872 3.7	United States 12 720 3.4	Japan 6 250 1.7
Aluminum (primary metal)	000 t % of world total	23 654	United States 3 779 16.0	Russia 3 146 13.3	China 2 599 11.0	Canada 2 390 10.1	Australia 1 719 7.3
Salt (mine production)	000 t % of world total	199 278	United States 41 400 20.8	China 31 000 15.6	Germany 15 200 7.6	Canada 12 678 6.4	India 9 500 4.8
Gold (mine production)	t % of world total	2 501	South Africa 449 18.0	United States 341 13.6	Australia 300 12.0	China 170 6.8	Canada 158 6.3
Lead (mine production)	000 t % of world total	3 018	Australia 681 22.6	China 549 18.2	United States 520 17.2	Peru 271 9.0	Canada 162 5.4
Copper (mine production)	000 t % of world total	12 684	Chile 4 383 34.6	United States 1 603 12.6	Indonesia 790 6.2	Australia 718.9 5.7	Canada 620 4.9
Molybdenum (Mo content) (mine production)	t % of world total	126 532	United States 43 700 34.5	China 30 000 23.7	Chile 27 300 21.6	Mexico 7 100 5.6	Canada 5 932 4.7

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; ^e Estimated; ^p Preliminary.^a Includes uranium (tU) recovered by Elliot Lake producers from refinery/conversion facility wastes.

TABLE 8. CANADA, GROSS DOMESTIC PRODUCT OF INDUSTRIAL PRODUCTION, MINING AND MINERAL MANUFACTURING AT FACTOR COST AT 1992 PRICES, 1993-2000

	1993	1994	1995	1996	1997	1998	1999	2000
	(\$ millions)							
Total industrial production ¹	148 010	157 556	164 705	166 979	174 258	178 424	186 369	196 904
Total mining ²	23 942	25 067	25 932	26 245	27 062	26 590	25 700	27 376
METALS								
Gold mines	1 162	1 061	1 048	1 149	1 161	1 054	1 010	1 004
Iron mines	421	499	501	530	539	527	444	515
Other metal mines	3 077	2 745	2 797	2 820	2 619	2 692	2 447	2 452
MINERAL FUELS								
Crude oil and natural gas	14 708	15 412	15 881	15 733	15 856	16 305	15 832	16 353
NONMETALS								
Asbestos	101	102	x	x	x	x	x	x
Miscellaneous nonmetals	223	264	x	x	x	x	x	x
Potash	655	792	845	747	828	852	772	852
Salt	142	167	142	162	178	173	162	155
Coal	929	966	1 017	1 042	1 106	1 041	997	944
Quarry and sand pits	609	679	757	786	822	938	976	1 026
SERVICES RELATED TO MINING	1 915	2 380	2 567	2 941	3 620	2 677	2 460	3 491
MINERAL MANUFACTURING								
Primary metals	5 617	5 646	5 809	5 907	6 229	6 295	6 403	6 520
Primary steel	2 292	2 347	2 388	2 268	2 340	2 273	2 371	2 359
Steel pipe and tube mills	422	457	425	532	687	679	683	729
Iron foundries	514	498	591	497	544	528	495	478
Nonferrous smelting and refining	1 633	1 600	1 641	1 729	1 735	1 800	1 749	1 798
Casting, rolling and extruding	756	744	764	881	923	1 015	1 105	1 156
Nonmetallic mineral products	2 589	2 656	2 704	2 909	3 185	3 467	3 731	3 749
Hydraulic cement	339	375	370	423	494	510	530	532
Concrete products	358	384	433	411	471	510	563	592
Ready-mix concrete	453	461	423	472	504	540	579	600
Glass and glass products	609	626	634	673	736	898	1 000	1 131
Clay products	105	96	82	94	115	122	115	91
Abrasives	98	89	99	102	93	93	85	84
Lime	86	87	97	105	123	114	110	106
Miscellaneous nonmetallic products	541	538	566	629	649	680	749	613
Petroleum and coal products	982	1 029	1 044	1 064	1 057	1 051	1 081	1 096

Sources: Natural Resources Canada; Statistics Canada.

x Confidential.

¹ Industrial production includes mining (including milling), quarrying and oil wells, mineral manufacturing and other utility industries. ² Total mining includes metal mining, nonmetal mining (including coal mining), quarries and sand pits, crude petroleum and natural gas, and services incidental to mineral extraction.

TABLE 9. CANADA, GROSS DOMESTIC PRODUCT BY INDUSTRY AT FACTOR COST AT 1992 PRICES, 1993-2000

	1993	1994	1995	1996	1997	1998	1999	2000
	(\$ millions)							
Gross domestic product, all industries	618 422	645 957	663 082	672 799	700 039	721 879	753 047	786 754
Agriculture	11 127	11 391	11 682	12 319	11 738	12 390	13 401	12 972
Fishing and trapping	1 059	865	704	724	747	733	723	708
Logging and forestry	4 243	4 442	4 645	4 281	4 316	4 221	4 608	4 698
Mines (including milling), quarries and oil wells	23 942	25 067	25 932	26 245	27 062	26 590	25 700	27 376
Manufacturing	101 101	108 859	114 239	115 659	122 320	127 335	135 419	143 107
Construction	35 774	36 880	35 661	36 981	39 398	39 336	40 974	42 286
Transportation and storage	27 109	29 380	30 368	31 214	32 645	33 506	34 924	36 602
Communications	19 096	19 886	20 641	21 133	22 032	23 862	27 122	29 906
Electric power, gas and water utilities	22 967	23 630	24 534	25 075	24 876	24 499	25 250	26 421
Trade, wholesale	31 435	34 194	34 696	36 143	39 670	42 787	47 907	50 331
Trade, retail	36 537	38 793	40 282	41 038	43 719	45 733	47 987	50 790
Finance, insurance and real estate	100 556	105 182	108 183	110 656	115 417	118 589	121 393	126 434
Community, business and personal services	29 227	30 874	33 385	34 610	38 276	41 525	45 112	49 681
Government services	45 401	45 725	45 646	44 736	44 438	44 969	45 983	47 194

Source: Statistics Canada.

TABLE 10. CANADA, STAGE I TO STAGE IV, DOMESTIC EXPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1998-2000

	Unit of Measure	1998		1999		2000P	
		(000)	(Quantity)	(Quantity)	(000)	(Quantity)	(000)
METALS							
Aluminum	..	..	7 116 487	..	7 196 181	..	7 998 602
Antimony	kg	769	1 403	58	491	62	447
Bismuth	kg	175	2 015	188	2 102	281	3 038
Cadmium	kg	2 097	3 205	2 231	3 789	2 171	4 170
Calcium metal	kg	5 621	3 743	1 973	2 615	1 350	2 530
Chromium	kg	7 074	31 939	6 478	29 914	6 716	30 065
Cobalt	kg	7 049	472 106	6 541	295 282	5 236	234 099
Copper	..	..	2 432 249	..	1 999 092	..	2 410 494
Gold	..	..	3 384 921	..	2 811 460	..	2 588 961
Iron and steel	..	..	9 600 323	..	9 813 065	..	11 046 315
Iron ore	t	30 293	1 289 784	26 477	1 052 194	26 327	1 053 290
Lead	..	..	275 946	..	280 242	..	277 701
Magnesium and magnesium compounds	kg	111 569	273 404	118 088	251 656	123 261	232 661
Molybdenum	kg	10 778	67 770	10 688	47 480	10 648	48 648
Nickel	..	..	1 927 514	..	1 697 581	..	2 459 376
Platinum group	..	..	207 882	..	204 003	..	341 897
Silver	..	..	508 457	..	488 117	..	466 870
Tin	..	..	13 791	..	11 818	..	11 816
Titanium metals	kg	30 178	17 134	34 127	39 620	90 035	16 806
Uranium and thorium	..	..	786 159	..	719 140	..	622 492
Zinc	kg	1 088 406	1 552 139	1 029 258	1 587 855	1 026 386	1 661 503
Other metals	..	60 386	4 774 704	64 292	4 985 880	68 979	6 436 301
Total metals	..	..	34 743 075	..	33 519 577	..	37 948 082
NONMETALS							
Asbestos	..	..	264 272	..	271 021	..	260 821
Barite and witherite	t	25	9 158	16	6 061	11	3 995
Cement	t	..	627 716	..	735 696	..	746 791
Clay products	..	..	39 821	..	45 577	..	51 388
Diamonds	..	..	49 453	..	559 734	..	543 347
Graphite	..	..	134 099	..	106 060	..	84 225
Gypsum	..	..	341 551	..	461 821	..	286 534
Lime	kg	171 447	21 300	96 058	13 214	80 630	11 436
Mica	t	18	11 289	24	14 214	25	14 651
Nepheline syenite	t	338	52 205	331	48 959	377	52 130
Peat	..	..	320 963	..	331 366	..	330 099
Potash and potassium compounds	kg	14 278 282	1 978 593	14 361 803	2 109 106	15 141 272	2 428 620
Salt and sodium compounds	t	5 228	543 035	4 862	492 253	4 576	491 833
Sand and gravel	t	1 999	19 723	2 874	25 713	3 184	29 664
Silica and silica compounds	t	..	16 923	..	22 179	..	22 519
Stones	..	4 181	138 546	3 121	154 268	3 487	185 066
Sulphur and sulphur compounds	t	6 900	359 787	6 050	322 093	5 800	335 659
Talc, soapstone and pyrophyllite	t	30	10 227	44	17 723	59	22 885
Titanium oxides	kg	83 939	211 332	82 287	212 456	70 546	186 991
Other nonmetals	..	4 835 477	2 917 617	6 754 484	3 103 762	7 893 289	3 239 146
Total nonmetals	..	..	8 067 610	..	9 053 276	..	9 327 800
FUELS							
Coal and coke	t	33 491	2 522 542	34 270	2 044 336	31 830	1 820 446
Natural gas	000 m ³	89 163	8 967 101	95 121	10 951 393	100 038	20 137 065
Natural gas by-products	000 m ³	9	863 115	8	977 309	9	1 727 530
Petroleum	..	..	12 949 875	..	14 993 529	..	27 632 121
Other fuels	kg	163 828	269 669	170 986	251 238	208 919	300 188
Total fuels	..	..	25 572 302	..	29 217 805	..	51 617 350
Total mineral domestic exports (including fuels)	..	..	68 382 987	..	71 790 658	..	98 893 232
Total economy domestic exports	..	..	297 509 000	..	331 346 516	..	384 131 878

Sources: Natural Resources Canada; Statistics Canada.

.. Not available or not applicable; P Preliminary.

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

TABLE 11. CANADA, STAGE I TO STAGE IV, IMPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1998-2000

	Unit of Measure	1998		1999		2000P	
		(000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	($000)
METALS							
Aluminum	..	..	4 372 792	..	4 448 324	..	5 007 004
Antimony	kg	2 671	9 749	2 623	8 449	2 653	8 495
Bismuth	kg	220	2 426	182	1 564	424	2 638
Cadmium	kg	35	607	63	837	75	1 217
Calcium metal	kg	74 784	47 578	101 553	48 467	122 687	51 680
Chromium	kg	96 022	94 036	98 974	80 829	69 903	79 250
Cobalt	kg	1 522	62 975	1 190	37 561	1 540	49 372
Copper	..	..	1 626 843	..	1 660 206	..	3 349 762
Gold	..	..	1 577 864	..	1 059 412	..	962 845
Iron and steel	..	..	15 369 091	..	15 457 952	..	17 132 502
Iron ore	t	7 279	389 217	6 950	355 665	6 618	364 182
Lead	..	..	473 184	..	396 467	..	489 988
Magnesium and magnesium compounds	kg	277 285	186 664	200 048	211 504	239 905	192 643
Molybdenum	kg	4 216	41 009	5 040	39 405	5 030	38 494
Nickel	..	..	551 820	..	307 163	..	404 154
Platinum group	g	215 525	182 456	1 549 407	181 782	2 106 095	378 171
Silver	..	..	136 848	..	134 242	..	150 400
Tin	..	..	61 543	..	73 515	..	71 039
Titanium metals	kg	8 327	94 963	7 876	68 302	11 740	151 783
Uranium and thorium	..	..	223 769	..	295 282	..	252 804
Zinc	..	..	234 849	..	262 471	..	269 475
Other metals	..	..	9 835 087	..	10 719 016	..	11 808 619
Total metals	..	..	35 575 370	..	35 848 415	..	41 216 517
NONMETALS							
Asbestos	..	..	81 054	..	102 948	..	103 099
Barite and witherite	t	13	2 480	56	7 164	58	6 735
Cement	..	..	210 250	..	210 881	..	233 727
Clay products	..	..	882 954	..	893 347	..	979 513
Diamonds	..	..	251 095	..	295 824	..	342 762
Graphite	..	..	447 385	..	505 945	..	471 497
Gypsum	..	..	36 126	..	48 226	..	48 290
Lime	kg	34 031	5 752	54 535	7 723	62 531	8 102
Mica	t	5	11 465	5	13 265	7	12 749
Nepheline syenite	t	..	3	..	13	..	2
Peat	..	..	2 743	..	1 814	..	1 219
Potash and potassium compounds	kg	118 381	41 572	106 868	37 365	132 290	44 672
Salt and sodium compounds	t	1 928	308 433	2 406	315 761	2 264	342 710
Sand and gravel	t	3 068	18 956	3 078	18 188	2 953	17 675
Silica and silica compounds	..	..	143 379	..	196 145	..	217 360
Stone	..	4 051	133 061	4 307	135 455	4 448	138 621
Sulphur and sulphur compounds	kg	191	21 943	196	21 213	221	24 256
Talc, soapstone and pyrophyllite	kg	47	12 173	58	14 541	62	15 510
Titanium oxides	kg	116 799	269 981	111 960	276 418	98 711	262 067
Other nonmetals	..	..	4 045 408	..	4 410 145	..	5 001 820
Total nonmetals	..	..	6 926 213	..	7 512 381	..	8 272 386
FUELS							
Coal and coke	t	20 881	1 141 527	20 933	1 116 487	21 018	1 174 127
Natural gas	000 m ³	734	104 003	630	87 885	1 201	228 765
Natural gas by-products	000 m ³	..	56 797	..	71 309	1	146 205
Petroleum	..	..	9 057 746	..	9 777 946	..	17 293 758
Other fuels	..	..	442 673	..	498 258	..	519 540
Total fuels	..	..	10 802 746	..	11 551 885	..	19 362 395
Total mineral imports (including fuels)	..	..	53 304 329	..	54 912 681	..	68 851 298
Total economy imports	..	..	303 420 400	..	326 820 900	..	363 163 500

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 12. CANADA, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, EXPORTS BY COMMODITY, BY DESTINATION, 2000P

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	6 983 443	383 278	328 777	70 592	232 512	7 998 602
Antimony	444	3	—	—	—	447
Bismuth	1 228	1 400	409	—	1	3 038
Cadmium	2 655	893	399	—	223	4 170
Calcium metal	1 087	1 016	223	—	204	2 530
Chromium	29 967	9	63	—	26	30 065
Cobalt	40 959	53 588	58 717	62	80 773	234 099
Copper	1 867 869	77 985	188 154	46	276 440	2 410 494
Gold	2 464 130	1 357	62 323	5 379	55 772	2 588 961
Iron and steel	10 537 177	168 634	20 523	50 091	269 890	11 046 315
Iron ore	354 255	562 402	25 106	—	111 527	1 053 290
Lead	231 880	31 897	438	538	12 948	277 701
Magnesium and magnesium compounds	187 867	27 935	5 535	211	11 113	232 661
Molybdenum	13 379	13 589	16 870	—	4 810	48 648
Nickel	870 115	735 042	73 974	7	780 238	2 459 376
Platinum group	163 385	178 473	—	—	39	341 897
Silver	416 017	5 654	43 556	—	1 643	466 870
Tin	11 219	433	54	—	110	11 816
Titanium metals	14 606	1 274	94	—	832	16 806
Uranium and thorium	409 640	137 592	48 955	1 394	24 911	622 492
Zinc	1 141 674	325 347	46 795	39	147 648	1 661 503
Other metals	5 640 009	353 543	138 766	23 992	279 991	6 436 301
Total metals	31 383 005	3 061 344	1 059 731	152 351	2 291 651	37 948 082
NONMETALS						
Asbestos	81 373	9 119	33 739	11 463	125 127	260 821
Barite and witherite	3 847	—	—	—	148	3 995
Cement	736 425	2 865	811	38	6 652	746 791
Clay products	42 062	4 137	228	1	4 960	51 388
Diamonds	16 669	525 349	—	—	1 329	543 347
Graphite	65 413	5 311	50	343	13 108	84 225
Gypsum	285 100	469	40	—	925	286 534
Lime	11 431	1	—	—	4	11 436
Mica	11 662	598	1 827	—	564	14 651
Nepheline syenite	44 750	1 857	830	267	4 426	52 130
Peat	302 409	2 006	18 593	12	7 079	330 099
Potash and potassium compounds	1 127 680	47 530	105 949	3 275	1 144 186	2 428 620
Salt and sodium compounds	451 890	1 300	11 811	551	26 281	491 833
Sand and gravel	26 156	—	47	—	3 461	29 664
Silica and silica compounds	19 778	55	—	1	2 685	22 519
Stones	165 756	11 845	3 222	293	3 951	185 066
Sulphur and sulphur compounds	63 100	251	—	22 458	249 850	335 659
Talc, soapstone and pyrophyllite	22 726	34	34	—	91	22 885
Titanium oxides	176 945	6 487	—	—	3 559	186 991
Other nonmetals	3 043 941	78 641	12 735	6 356	97 473	3 239 146
Total nonmetals	6 699 113	697 855	189 916	45 058	1 695 859	9 327 800
FUELS						
Coal and coke	258 568	277 797	699 072	16 156	568 853	1 820 446
Natural gas	20 137 051	—	—	—	14	20 137 065
Natural gas by-products	1 727 497	—	—	—	33	1 727 530
Petroleum	27 380 497	52 636	37 209	137	161 642	27 632 121
Other fuels	261 560	13 876	4 844	205	19 703	300 188
Total fuels	49 765 173	344 309	741 125	16 498	750 245	51 617 350
Total domestic mineral exports	87 847 291	4 103 508	1 990 772	213 907	4 737 755	98 893 232

Sources: Natural Resources Canada; Statistics Canada.

— Nil; P Preliminary.

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

TABLE 13. CANADA, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, IMPORTS BY COMMODITY, BY ORIGIN, 2000P

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	3 703 214	275 689	12 127	9 052	1 006 922	5 007 004
Antimony	6 696	1 068	7	—	724	8 495
Bismuth	2 069	176	—	25	368	2 638
Cadmium	746	408	5	1	57	1 217
Calcium metal	39 973	7 306	94	...	4 307	51 680
Chromium	24 757	5 563	1 298	2 022	45 610	79 250
Cobalt	14 007	12 377	4 877	2	18 109	49 372
Copper	2 670 560	167 706	13 174	38 297	460 025	3 349 762
Gold	569 424	26 594	106	7 267	359 454	962 845
Iron and steel	11 748 347	1 682 362	676 096	453 768	2 571 929	17 132 502
Iron ore	352 043	1 904	...	4	10 231	364 182
Lead	373 647	19 230	17 539	13 381	66 191	489 988
Magnesium and magnesium compounds	105 159	11 586	925	210	74 763	192 643
Molybdenum	30 088	2 425	18	646	5 317	38 494
Nickel	187 294	76 452	40 406	8 565	91 437	404 154
Platinum group	225 367	57 604	1 443	45	93 712	378 171
Silver	59 184	13 674	1 039	22 093	54 410	150 400
Tin	42 341	1 993	9	286	26 410	71 039
Titanium metals	78 444	14 783	5 715	25	52 816	151 783
Uranium and thorium	56 458	13 193	4	—	183 149	252 804
Zinc	181 327	14 217	208	25 154	48 569	269 475
Other metals	7 583 320	924 931	340 712	1 020 915	1 938 740	11 808 618
Total metals	28 054 465	3 331 241	1 115 802	1 601 758	7 113 250	41 216 516
NONMETALS						
Asbestos	82 756	2 931	3 595	2 404	11 413	103 099
Barite and witherite	3 964	322	—	—	2 449	6 735
Cement	191 343	15 179	714	1 503	24 988	233 727
Clay products	408 060	249 030	27 554	48 638	246 231	979 513
Diamonds	62 749	97 283	46	39	182 645	342 762
Graphite	346 251	56 070	31 868	1 563	35 745	471 497
Gypsum	43 241	758	155	3 319	817	48 290
Lime	8 058	19	—	—	25	8 102
Mica	9 652	1 915	284	22	876	12 749
Nepheline syenite	2	—	—	—	—	2
Peat	286	383	...	—	550	1 219
Potash and potassium compounds	38 951	2 631	41	30	3 019	44 672
Salt and sodium compounds	294 795	26 259	2 299	6 550	12 807	342 710
Sand and gravel	17 199	187	...	15	274	17 675
Silica and silica compounds	183 867	18 850	6 884	1 939	5 820	217 360
Stone	50 243	46 570	19	2 039	39 750	138 621
Sulphur and sulphur compounds	22 835	1 341	4	—	76	24 256
Talc, soapstone and pyrophyllite	14 223	31	299	2	955	15 510
Titanium oxides	183 164	59 806	1 804	—	17 293	262 067
Other nonmetals	3 856 384	450 433	105 824	121 410	467 770	5 001 820
Total nonmetals	5 818 023	1 029 998	181 390	189 473	1 053 503	8 272 386
FUELS						
Coal and coke	1 033 299	2 739	5 996	205	131 888	1 174 127
Natural gas	228 625	23	3	—	114	228 765
Natural gas by-products	142 010	1 919	50	—	2 226	146 205
Petroleum	2 751 409	4 867 456	28 805	397 246	9 248 842	17 293 758
Other fuels	467 817	44 159	2 298	1 056	4 210	519 540
Total fuels	4 623 160	4 916 296	37 152	398 507	9 387 280	19 362 395
Total mineral imports	38 495 648	9 277 535	1 334 345	2 189 738	17 554 033	68 851 297

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 14. CANADA, APPARENT USE¹ OF SOME MINERALS AND RELATION TO PRODUCTION,² 1997-99

	1997			1998			1999		
	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	1 812 233	1 792 778	101.1	2 112 700 ^r	1 885 926	112.0 ^r	1 686 479	1 564 186	107.8
Lime ³	2 299 720 ^r	2 476 571	92.9	2 323 628 ^r	2 461 043	94.4 ^r	2 522 928	2 565 451	98.3
Salt	11 125 685	13 496 856	82.4	9 834 352 ^r	13 034 295	75.4 ^r	10 253 300	12 685 895	80.8
Cement ⁴	7 155 518	11 736 272	61.0	6 952 314	12 124 058	57.3	7 954 975	12 634 440	63.0
Iron ore	13 695 396	38 927 855	35.2	13 517 652	36 585 595	36.9	16 133 586	35 706 589	45.2
Gypsum	2 866 712 ^r	8 627 772	33.2	2 850 981	8 306 534	34.3	3 241 560	9 345 342	34.7
Potash (K ₂ O equivalent)	374 711	9 234 742	4.1	202 130	8 883 616	2.3	–	8 475 270	..
Asbestos	–	420 278	..	2 039 ^r	321 330	0.6 ^r	5 165	337 367	1.5

Sources: Natural Resources Canada; Statistics Canada.

 – Nil; .. Not available; K₂O 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 15. CANADA, REPORTED USE OF MINERALS AND RELATION TO PRODUCTION, 1997-99

	Unit of Measure	1997			1998			1999		
		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	764 438 ^r	2 327 188	32.8 ^r	889 973 ^r	2 374 118	37.5 ^r	999 242	2 389 834	41.8
Antimony	kg	1 158 210	529 198	218.9	791 255	359 347	220.2	865 383	356 745	242.6
Bismuth	kg	10 846	195 720	5.5	14 641	186 400	7.9	17 066	217 135	7.9
Cadmium	kg	123 192	1 272 172	9.7	117 122	1 179 427	9.9	138 789	1 114 921	12.4
Chromium (chromite)	t	15 380	–	..	16 964	–	..	x	–	x
Cobalt	kg	136 382	2 167 554	6.3	145 983	2 262 477	6.5	129 988	2 013 897	6.5
Copper ²	t	224 777	647 779	34.7	246 212	690 762	35.6	266 504	581 583	45.8
Lead ³	t	92 997	170 847	54.4	87 466	150 019	58.3	92 557	155 369	59.6
Magnesium	t	34 026	x	x	32 563	x	x	42 643	x	x
Manganese ore	t	9 868	–	..	7 339	–	..	5 755	–	..
Mercury	kg	x	–	..	2 803	–	..	x	–	x
Molybdenum (Mo content)	t	2 545	7 594	33.5	2 573	8 099	31.8	3 180	6 250	50.9
Nickel	t	19 447	180 624	10.8	19 243	197 947	9.7	21 983	176 749	12.4
Selenium	kg	9 175	592 135	1.5	9 782	397 876	2.5	12 447	358 759	3.5
Silver	kg	333 402	1 193 970	27.9	334 857	1 140 238	29.4	349 146	1 174 328	29.7
Tellurium	kg	x	59 322	x	x	62 274	x	x	63 945	x
Tin	t	2 850	–	..	2 753	–	..	2 791	–	..
Tungsten (W content)	kg	289 934	–	..	212 415	–	..	187 483	–	..
Zinc ³	t	133 553	1 026 864	13.0	138 424	991 584	14.0	143 188	963 321	14.9
NONMETALS										
Barite	t	11 765	84 091	14.0	16 206	86 159	18.8	15 161	67 161	22.6
Feldspar	t	1 578	–	..	1 588	–	..	1 090	–	..
Fluorspar	t	75 791	–	..	92 822	–	..	79 157	–	..
Mica	t	3 334	x	x	3 606	x	x	3 692	x	x
Nepheline syenite	t	73 264	648 280	11.3	69 634	636 406	10.9	57 693	676 169	8.5
Phosphate rock	t	x	–	..	x	–	..	x	–	..
Potash (K ₂ O equivalent)	t	217 841	9 234 742	2.4	271 078	8 883 616	3.1	223 645	8 475 270	2.6
Sodium sulphate	t	112 906	285 196	39.6	117 131	258 249	45.4	109 647	x	x
Sulphur	t	758 886	9 072 374	8.4	765 093	9 240 245	8.3	746 890	9 498 810	7.9
Talc, etc.	t	84 991	72 444	117.3	82 696	72 095	114.7	75 815	79 493	95.4
MINERAL FUELS										
Coal	000 t	55 734	78 670	70.8	58 846	75 360	78.1	58 092	72 497	80.1
Crude oil ⁴	000 m ³	96 431	123 827	77.9	95 435	128 401	74.3	96 938	122 247	79.3
Natural gas ⁵	million m ³	52 541	156 171	33.6	45 608	160 515	28.4	45 154	162 219	27.8

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 16. CANADA, DOMESTIC USE OF PRINCIPAL REFINED METALS IN RELATION TO REFINERY PRODUCTION,¹ 1993-99

	Unit of Measure	1993	1994	1995	1996	1997	1998	1999
ALUMINUM								
Domestic use ²	t	568 854	635 024	635 402	676 935 ^r	764 438 ^r	889 973 ^r	999 242
Production	t	2 308 867	2 254 683	2 171 992	2 283 212	2 327 188	2 374 118	2 389 834
Use as a percentage of production	%	24.6	28.2	29.3	29.6 ^r	32.8 ^r	37.5 ^r	41.8
COPPER								
Domestic use ³	t	185 565	199 350	189 550	218 280	224 777	246 212	266 504
Production	t	561 580	549 869	572 616	559 200	560 582	562 261	548 563
Use as a percentage of production	%	33.0	36.3	33.1	39.0	40.1	43.8	48.6
LEAD								
Domestic use ⁴	t	91 915	95 764	91 171	93 373	92 997	87 466	92 557
Production ⁵	t	217 014	251 640	281 391	310 791	271 395	265 487	266 415
Use as a percentage of production	%	42.4	38.1	32.4	30.0	34.3	32.9	34.7
ZINC								
Domestic use ⁴	t	110 570 ^r	122 118	130 735	134 787	133 553	138 424	143 188
Production	t	659 881	690 965	720 346	716 467	703 798	745 131	776 927
Use as a percentage of production	%	16.8 ^r	17.7	18.1	18.8	19.0	18.6	18.4

Source: Natural Resources Canada.

^r Revised.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 17. AVERAGE ANNUAL PRICES¹ OF SELECTED METALS, 1993-2000**

	Unit	1993	1994	1995	1996	1997	1998	1999	2000
Aluminum, London Metal Exchange	¢/lb	51.639	66.986	81.903	68.296	72.544	61.574	61.738	70.267
Antimony, New York dealer	\$/lb	0.769	1.777	2.278	1.466	0.996	0.718	0.627	0.655
Bismuth, New York dealer	\$/lb	2.350	3.070	3.781	3.546	3.275	3.408	3.378	3.539
Cadmium, New York dealer	\$/lb	0.451	1.144	1.839	1.238	0.513	0.286	0.177	0.164
Cobalt, metal, shot/cathode/250 kg	\$/lb	18.000	19.900	27.069	27.500	27.500	27.500	27.500	27.500
Copper, electrolytic cathode, COMEX	¢/lb	85.283	107.052	134.717	105.872	103.580	75.077	72.111	83.971
Gold, London ²	\$/troy oz	359.769	384.009	384.162	387.696	331.096	294.160	278.825	278.600
Iridium, New York dealer	\$/troy oz	45.667	30.000	30.000	46.188	171.125	392.032	379.938	390.000
Lead, London Metal Exchange cash	¢/lb	18.417	24.829	28.600 ^r	35.019	28.292	23.960	22.778	20.574
Magnesium, U.S. primary ingot (Producer Price List)	\$/lb	1.530	1.538	1.805	1.930	1.800	1.800	1.800	1.800
Molybdenum, oxide, dealer	\$/lb	2.279	4.501	7.412	3.606	4.175	3.313	2.591	2.498
Nickel, cathode, New York dealer	\$/lb	2.428	2.919	3.901	3.501	3.221	2.179	2.750	3.987
Osmium, New York dealer	\$/troy oz	400.000	400.000	399.375	392.458	391.000	366.867	350.000	350.000
Palladium, London PM fix	\$/troy oz	122.348	142.631	151.229	128.079	177.951	284.678	357.902	681.100
Platinum, London PM fix	\$/troy oz	374.027	404.998	424.346	397.171	395.210	372.019	376.880	544.226
Rhodium, New York dealer	\$/troy oz	1 066.111	712.678	424.145	280.721	268.458	574.771	863.063	1 818.750
Ruthenium, New York dealer	\$/troy oz	12.996	13.604	21.827	34.921	32.896	39.208	34.721	118.275
Selenium, New York dealer	\$/lb	4.900	4.900	4.897	3.423	2.791	2.274	2.278	3.699
Silver, Handy & Harman, Toronto	\$/troy oz	4.300	5.284	5.192	5.183	4.892	5.534	5.250	5.003
Tantalum, tantalite ore, spot	\$/lb	25.850	25.500	26.260	27.000	27.000	32.783	33.000	62.438
Tin, New York dealer	\$/lb	2.392	2.549	2.945	2.890	2.644	2.613	2.545	2.549
Tungsten, U.S. spot ore	\$/stu	34.800	36.750	56.402	55.000	53.333	44.021 ^r	40.000	40.000
Uranium, U ₃ O ₈	\$/lb	15.000	14.000	13.000	15.100 ^r	14.200	13.300	12.700	12.400
Zinc, special high grade	¢/lb	43.635	45.255	53.235	51.109	59.697	46.453	48.805	51.150

Sources: Natural Resources Canada; *Metals Week*.

COMEX: Commodities Exchange, Inc.

^r Revised; stu Short ton unit.¹ Prices, except where noted, are in U.S. currency. ² Average afternoon fixings of London bullion dealers.

TABLE 18. CANADIAN AVERAGE ANNUAL PRICES OF SELECTED METALS, 1993-2000

	Unit	1993	1994	1995	1996	1997	1998	1999	2000
Aluminum, London Metal Exchange	\$/kg	1.469	2.017	2.478	2.054	2.215	1.952	2.021	2.301
Antimony, New York dealer	\$/kg	2.187	5.350	6.893	4.408	3.042	2.276	2.053	2.145
Bismuth, New York dealer	\$/kg	6.684	9.243	11.441	10.663	10.000	10.805	11.059	11.588
Cadmium, New York dealer	\$/kg	1.283	3.444	5.565	3.723	1.566	0.907	0.579	0.537
Cobalt, metal, shot/cathode/250 kg	\$/kg	51.195	59.916	81.906	82.695	83.968	87.188	90.029	90.043
Copper, electrolytic cathode, COMEX	\$/kg	2.426	3.223	4.076	3.184	3.163	2.380	2.361	2.749
Gold, London ¹	\$/g	14.922	16.861	16.952	17.002	14.743	13.601	13.312	13.303
Iridium, New York dealer	\$/g	1.894	1.317	1.324	2.026	7.620	18.126	18.139	18.623
Lead, London Metal Exchange, cash	¢/kg	40.602	54.739	63.052	77.204	62.373	52.823	50.217	45.358
Magnesium, U.S. primary ingot (Producer Price List)	\$/kg	4.352	4.631	5.462	5.804	5.496	5.707	5.893	5.894
Molybdenum, oxide, dealer	\$/kg	6.482	13.552	22.428	10.844	12.748	10.504	8.482	8.179
Nickel, cathode, New York dealer	\$/kg	6.906	8.789	11.804	10.528	9.835	6.908	9.003	13.055
Osmium, New York dealer	\$/g	16.591	17.563	17.623	17.211	17.411	16.962	16.710	16.713
Palladium, London PM fix	\$/g	5.075	6.263	6.673	5.617	7.924	13.162	17.087	32.523
Platinum, London PM fix	\$/g	15.514	17.783	18.725	17.417	17.598	17.201	17.993	25.987
Rhodium, New York dealer	\$/g	44.220	31.292	18.716	12.311	11.954	26.575	41.205	86.846
Ruthenium, New York dealer	\$/g	0.539	0.597	0.963	1.531	1.465	1.813	1.658	5.648
Selenium, New York dealer	\$/kg	13.936	14.753	14.818	10.293	8.522	7.210	7.458	12.112
Silver, Handy & Harman, Toronto	\$/kg	178.354	232.011	229.107	227.293	217.835	255.870	250.653	238.895
Tantalum, tantalite ore, spot	\$/kg	73.522	76.777	79.459	81.192	82.442	103.937	108.034	204.441
Tin, New York dealer	\$/kg	6.803	7.675	8.911	8.690	8.075	8.284	8.333	8.346
Tungsten, U.S. spot ore	\$/mtu	44.186	49.397	76.189	73.835	72.700	62.307	58.460	58.470
Uranium	\$/kg	50.000	51.000	47.000	53.600 ^r	51.300	51.100	49.100	49.700
Zinc, special high grade	\$/kg	1.241	1.363	1.611	1.537	1.823	1.473	1.598	1.675

Sources: Natural Resources Canada; *Metals Week*.

COMEX: Commodities Exchange, Inc.

mtu Metric tonne unit; ^r Revised.¹ Average afternoon fixings of London bullion dealers.

TABLE 19. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY, 1 1998

	Establish- ments (number)	Mining Activity						Total Activity ²			
		Production and Related Workers			Costs			Employees	Salaries and Wages (\$000)	Value Added (\$000)	
		Employees (number)	Person- Hours Paid (000)	Wages (\$000)	Fuel and Electricity (\$000)	Materials and Supplies (\$000)	Value of Production (\$000)				Value Added (\$000)
BY INDUSTRY											
Metals											
Gold	47	6 374	14 178	430 039	143 779	663 804	2 411 155	1 603 573	8 498	569 101	1 589 561
Silver-lead-zinc	7	1 882	4 309	109 632	43 198	565 612	972 488	363 678	2 734	169 170	363 486
Iron	5	3 943	8 787	306 252	179 907	502 312	1 761 234	1 079 015	4 903	383 894	1 071 383
Nickel-copper-zinc	20	9 401	19 957	560 063	198 881	1 926 932	4 188 386	2 062 572	12 624	804 420	2 091 398
Miscellaneous metal mines ³	8	1 462	2 953	86 144	54 131	165 652	855 369	635 585	1 975	122 506	637 292
Total	87	23 062	50 184	1 492 130	619 896	3 824 312	10 188 632	5 744 424	30 734	2 049 090	5 753 121
Nonmetals											
Peat	73	1 394	3 132	37 883	8 208	34 711	226 605	183 685	1 665	47 233	184 110
Gypsum	9	536	1 181	23 719	7 889	22 788	96 955	66 278	643	29 265	66 107
Potash	11	2 531	5 810	158 044	122 740	216 131	1 839 206	1 500 335	3 396	232 755	1 498 330
Salt	10	1 057	2 466	55 591	16 957	46 658	375 128	311 513	1 498	79 471	312 249
Diamond	1	84	175	5 700	5 330	15 003	74 300	53 967	93	6 274	53 967
Stone	147	2 427	5 375	98 282	46 494	128 953	576 418	402 970	3 109	129 398	408 235
Sand and gravel	311	3 078	7 020	112 553	61 525	99 500	605 339	444 314	4 341	161 075	461 983
Shale, clay and refractory minerals	6	143	302	7 225	2 866	11 811	58 810	44 132	174	9 030	44 111
Miscellaneous nonmetals ⁴	20	1 550	3 233	66 547	31 035	54 336	263 753	178 381	2 119	96 361	179 160
Total	588	12 800	28 695	565 545	303 045	627 892	4 116 515	3 185 577	17 038	790 861	3 208 252
Mineral fuels											
Coal	33	6 692	13 867	380 202	133 569	467 866	1 867 491	1 266 056	8 157	469 303	1 292 897
Total mineral industry	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
BY REGION											
Atlantic provinces	83	5 820	12 664	327 809	130 617	718 500	1 960 830	1 111 714	7 170	404 857	1 105 519
Quebec	206	8 350	18 419	475 412	232 910	923 554	2 823 911	1 667 447	11 459	674 703	1 698 025
Ontario	201	10 841	24 170	628 213	212 718	1 324 376	4 096 543	2 559 449	14 681	884 500	2 554 632
Prairie provinces	147	10 253	21 766	550 712	271 028	835 003	4 278 201	3 172 170	13 203	751 608	3 202 479
British Columbia ⁴	61	6 654	14 204	407 574	180 841	952 954	2 547 583	1 413 788	8 314	513 078	1 421 218
Yukon and Northwest Territories ⁵	10	636	1 524	48 157	28 397	165 684	465 569	271 488	1 102	80 509	272 396
Total Canada	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

Sources: Natural Resources Canada; Statistics Canada.

¹ Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. ² Total activity includes sales and head offices. ³ Includes molybdenum and uranium.⁴ Includes asbestos.

Notes: This table no longer includes data for the petroleum and natural gas industries. Numbers may not add to totals due to rounding.

TABLE 20. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, 1998

	Establish- ments (number)	Mineral Manufacturing Activity						Total Activity ¹			
		Production and Related Workers			Costs			Employees	Salaries and Wages (\$000)	Value Added (\$000)	
		Employees (number)	Person- Hours Paid (000)	Wages (\$000)	Fuel and Electricity (\$000)	Materials and Supplies (\$000)	Value of Shipments (\$000)				Value Added (\$000)
By Industry											
Primary metal manufacturing	482	73 918	151 828	3 640 428	2 017 529	15 832 034	29 596 704	12 064 756	92 118	4 804 221	12 487 078
Nonmetallic mineral product manufacturing	1 606	38 698	82 642	1 431 543	567 951	3 553 217	8 930 171	4 844 851	48 221	1 955 167	5 052 346
Fabricated metal products manufacturing	4 543	140 115	302 858	4 470 350	361 095	11 684 636	22 849 924	10 891 801	164 006	5 689 025	11 232 886
Petroleum and coal products manufacturing	192	6 676	14 366	378 065	336 555	13 934 200	16 324 506	1 894 023	12 591	782 757	2 093 153
Total	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
By Region											
Atlantic provinces	302	x	x	x	x	x	x	x	x	x	x
Quebec	1 547	56 394	114 107	2 128 800	1 350 717	10 854 366	20 441 455	8 274 354	74 468	3 062 003	8 679 703
Ontario	3 044	142 980	310 399	5 604 534	1 361 900	22 304 831	38 404 401	15 044 990	170 277	7 320 457	15 254 111
Prairie provinces	1 104	x	x	x	x	x	x	x	x	x	x
British Columbia	826	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-
Total	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

Source: Statistics Canada, catalogue no. 31-203.

- Nil; x Confidential.

¹ Total activity includes sales and head offices.

TABLE 21. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY,¹ 1988-98

Year	Mining Activity								Total Activity ²		
	Establish- ments	Production and Related Workers			Costs		Value of Production	Value Added	Employees	Salaries and Wages	Value Added
		Employees	Person- Hours Paid	Wages	Fuel and Electricity	Materials and Supplies					
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
1988	539	58 251	126 216	2 348 492	970 964	4 463 879	17 060 361	11 625 518	76 995	3 197 809	11 694 930
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

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 22. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES,¹ 1982-98

	Mineral Manufacturing Activity								Total Activity ²		
	Establish- ments	Production and Related Workers			Costs		Value of Shipments	Value Added	Employees	Salaries and Wages	Value Added
		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	279 834	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

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 23. CANADA, CONSUMPTION OF FUEL AND ELECTRICITY IN THE NON-FUEL MINERAL INDUSTRY,¹ 1998

	Unit	Metals	Nonmetals ²	Total
Coal	000 t \$000	3	–	3
Gasoline	000 litres \$000	18 099 8 583	20 218 9 595	38 317 18 178
Fuel oil, kerosene, diesel oil	000 litres \$000	714 522 159 612	267 016 92 381	981 538 251 993
Liquefied petroleum gas	000 litres \$000	111 410 23 761	12 203 2 737	123 613 26 498
Natural gas	000 m ³ \$000	102 286 13 791	791 738 67 629	894 024 81 420
Other fuels ³	\$000	39 051	500	39 551
Total value of fuels	\$000	244 801	172 842	417 643
Electricity purchased	million kWh \$000	10 754 375 095	2 760 130 203	13 514 505 298
Total value of fuels and electricity purchased, all reporting companies	\$000	619 896	303 045	922 941

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 24. CANADA, COST OF FUEL AND ELECTRICITY USED IN THE NON-FUEL MINERAL INDUSTRY,¹ 1994-98

	Unit	1994	1995	1996	1997	1998
METALS						
Fuel	\$000	207 602	237 376	289 723	283 375	244 801
Electricity purchased	million kWh	10 705	11 527	11 248	11 186	10 754
	\$000	368 124	408 270	396 358	383 009	375 095
Total cost of fuel and electricity	\$000	575 726	645 646	686 082	666 384	619 896
NONMETALS²						
Fuel	\$000	96 445	91 148	87 173	95 245	172 842
Electricity purchased	million kWh	2 301	2 363	2 333	2 369	2 760
	\$000	108 050	109 676	107 876	96 917	130 203
Total cost of fuel and electricity	\$000	204 496	200 824	195 049	192 162	303 045
TOTAL NON-FUEL MINERAL INDUSTRY						
Fuel	\$000	346 877	387 133	441 668	444 390	417 643
Electricity purchased	million kWh	13 367	14 270	14 016	13 981	13 514
	\$000	500 252	543 219	533 507	509 277	505 298
Total cost of fuel and electricity	\$000	847 129	930 353	975 176	953 667	922 941

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. Further information and data from the Annual Census of Mines is available from publications on the Internet at www.nrcan.gc.ca/mms/efab/mmsd.

**TABLE 25. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY,
STAGE I – MINERAL EXTRACTION AND CONCENTRATING (TOTAL
ACTIVITY),¹ 1961-2000**

Year	Metal Mines	Nonmetal Mines	Structural Materials	Non-Fuel Minerals	Coal	Crude Oil and Natural Gas	Total Non-Fuel and Fuel Mineral Industries
SIC no.	061	062	081, 082	061, 062 081, 082	063	071	
				(number)			
1961	58 591	11 003	5 235	74 829	10 302	11 184	96 315
1962	58 243	11 408	5 514	75 165	9 897	11 232	96 294
1963	57 119	11 661	5 686	74 466	9 828	11 237	95 531
1964	57 648	11 727	6 044	75 419	9 796	11 242	96 457
1965	60 942	12 116	6 248	79 306	9 697	11 817	100 820
1966	61 670	12 422	6 312	80 404	9 281	12 378	102 063
1967	61 728	13 077	5 779	80 584	8 981	13 113	102 678
1968	63 369	13 673	5 836	82 878	8 427	13 611	104 916
1969	60 550	14 322	5 692	80 564	7 371	14 153	102 088
1970	66 590	15 150	5 510	87 250	7 874	14 970	110 094
1971	66 012	15 105	5 328	86 445	8 069	15 896	110 410
1972	61 994	14 866	5 154	82 014	8 704	16 604	107 322
1973	66 134	15 391	5 276	86 801	7 856	16 786	111 443
1974	70 038	16 198	6 197	92 433	8 142	18 155	118 730
1975	69 161	13 703	6 382	89 246	8 416	18 053	115 715
1976	68 269	15 649	5 685	89 603	8 995	19 096	117 694
1977	67 242	16 608	5 190	89 040	9 781	20 240	119 061
1978	56 447	16 035	4 847	77 329	10 574	22 045	109 948
1979	58 960	16 770	4 692	80 422	10 269	24 554	115 245
1980	66 118	16 979	4 461	87 558	11 416	27 448	126 422
1981	68 712	16 391	4 183	89 286	11 182	28 783	129 251
1982	61 503	13 680	3 491	78 674	13 113	31 699	123 486
1983	52 194	13 170	3 403	68 767	11 646	33 418	113 831
1984	52 683	13 698	3 560	69 941	11 905	33 944	115 790
1985	48 672	12 974	3 941	65 587	12 076	38 720	116 383
1986	46 487	12 376	4 887	63 750	10 747	34 936	109 433
1987	45 496	12 181	5 738	63 415	10 406	33 855	107 676
1988	48 277	11 679	5 917	65 873	11 122	33 762	110 757
1989	49 405	11 714	5 881	67 000	11 279	32 696	110 975
1990	45 248	11 515	5 376	62 139	11 017	31 926	105 082
1991	42 092	10 812	5 026	57 930	10 817	31 450	100 197
1992	37 774	10 419	4 338	52 531	9 726	27 678	89 935
1993	34 746	10 500	4 219	49 465	8 860	26 598	84 923
1994	33 380	10 476 ^r	5 451 ^r	49 307	8 888 ^r	27 693	85 888 ^r
1995	35 181 ^r	10 133 ^r	6 815 ^r	52 129 ^r	9 063 ^r	26 491	87 683 ^r
1996	34 157 ^r	9 457 ^r	6 654 ^r	50 268 ^r	9 177	34 939	94 384 ^r
1997	32 912 ^r	9 606 ^r	6 770 ^r	49 288 ^r	8 938 ^r	36 289	94 515 ^r
1998	30 734 ^r	9 414 ^r	7 626 ^r	47 774 ^r	8 157 ^r	37 863	93 794 ^r
1999 ^p	28 648 ^r	9 463 ^r	8 091 ^r	46 202 ^r	7 117 ^r	38 203 ^r	91 522 ^r
2000 ^f	29 248	9 534	8 614	47 396	6 559	38 137	92 092

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

f Forecast; p Preliminary; r Revised.

¹ Total activity includes sales and head offices.

TABLE 26. CANADA, EMPLOYMENT, SALARIES AND WAGES IN THE MINERAL INDUSTRY,¹ 1991-98

	Unit	1991	1992	1993	1994	1995	1996	1997	1998
METALS									
Production and related workers	Number	31 168	27 908	25 762	24 809	26 344	25 830	25 121	23 062
Salaries and wages	\$000	1 627 254	1 532 118	1 374 090	1 376 286	1 500 141	1 533 204	1 578 374	1 492 130
Average annual salary and wage	\$	52 209	54 899	53 338	55 475	56 944	59 357	62 831	64 701
Administrative and office workers	Number	10 924	9 866	8 984	8 571	8 838	8 427	7 891	7 672
Salaries and wages	\$000	626 302	587 210	532 735	526 076	558 984	554 226	548 854	556 960
Average annual salary and wage	\$	57 333	59 519	59 298	61 379	63 248	65 768	69 554	72 596
Total metals									
Employees	Number	42 092	37 774	34 746	33 380	35 182	34 257	33 012	30 734
Salaries and wages	\$000	2 253 556	2 119 328	1 906 825	1 902 362	2 059 125	2 087 429	2 127 228	2 049 090
Average annual salary and wage	\$	53 539	56 105	54 879	56 991	58 528	60 934	64 438	66 672
NONMETALS²									
Production and related workers	Number	11 699	11 107	11 087	12 002	12 961	12 188	12 541	12 800
Salaries and wages	\$000	427 512	427 276	431 540	479 682	536 503	515 292	546 282	565 545
Average annual salary and wage	\$	36 543	38 469	38 923	39 967	41 394	42 279	43 560	44 183
Administrative and office workers	Number	4 139	3 650	3 632	3 925	3 987	3 933	3 835	4 238
Salaries and wages	\$000	186 910	172 476	171 076	178 263	188 815	191 826	204 804	225 316
Average annual salary and wage	\$	45 158	47 254	47 102	45 417	47 358	48 779	53 404	53 166
Total nonmetals									
Employees	Number	15 838	14 757	14 719	15 927	16 948	16 121	16 376	17 038
Salaries and wages	\$000	614 421	599 752	602 616	657 945	725 318	707 118	751 085	790 861
Average annual salary and wage	\$	38 794	40 642	40 941	41 310	42 797	43 862	45 865	46 417
FUELS (COAL)									
Production and related workers	Number	8 775	7 804	7 204	7 272	7 423	7 534	7 349	6 692
Salaries and wages	\$000	391 289	319 110	334 274	371 786	384 630	418 016	426 152	380 202
Average annual salary and wage	\$	44 591	40 891	46 401	51 126	51 816	55 484	57 988	56 814
Administrative and office workers	Number	2 042	1 922	1 656	1 616	1 640	1 643	1 589	1 465
Salaries and wages	\$000	103 853	98 604	85 078	87 713	93 402	93 808	93 466	89 101
Average annual salary and wage	\$	50 858	51 303	51 376	54 278	56 952	57 096	58 821	60 820
Total mineral fuels									
Employees	Number	10 817	9 726	8 860	8 888	9 063	9 177	8 938	8 157
Salaries and wages	\$000	495 142	417 714	419 352	459 499	478 032	511 824	519 618	469 303
Average annual salary and wage	\$	45 774	42 948	47 331	51 699	52 745	55 772	58 136	57 534
TOTAL MINERAL INDUSTRY									
Production and related workers	Number	51 642	46 819	44 053	44 083	46 728	45 552	45 011	42 554
Salaries and wages	\$000	2 446 055	2 278 504	2 139 903	2 227 755	2 421 274	2 466 512	2 550 807	2 437 877
Average annual salary and wage	\$	47 366	48 666	48 576	50 535	51 816	54 147	56 671	57 289
Administrative and office workers	Number	17 105	15 438	14 272	14 112	14 465	14 003	13 315	13 375
Salaries and wages	\$000	917 064	858 290	788 890	792 052	841 201	839 860	847 124	871 377
Average annual salary and wage	\$	53 614	55 596	55 275	56 126	58 154	59 977	63 622	65 150
Total mineral industry									
Employees	Number	68 747	62 257	58 325	58 195	61 193	59 555	58 326	55 929
Salaries and wages	\$000	3 363 119	3 136 794	2 928 793	3 019 806	3 262 475	3 306 371	3 397 931	3 309 255
Average annual salary and wage	\$	48 920	50 385	50 215	51 890	53 315	55 517	58 258	59 169

Sources: Natural Resources Canada; Statistics Canada.

¹ Cement manufacturing and lime manufacturing are included in the mineral manufacturing industry. ² Includes structural materials.

Notes: This table no longer includes data for the petroleum and natural gas industries. Numbers may not add to totals due to rounding.

TABLE 27. CANADA, NUMBER OF WAGE EARNERS EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY (SURFACE, UNDERGROUND AND MILL), 1991-98

	1991	1992	1993	1994	1995	1996	1997	1998
	(number)							
METALS								
Surface	7 545	6 550	5 973	4 526	4 467	6 358	4 762	5 192
Underground	13 614	12 205	11 281	11 396	12 305	10 610	11 556	9 269
Mill	10 009	9 153	8 508	8 888	9 572	8 862	8 803	8 601
Total	31 168	27 908	25 762	24 810	26 344	25 830	25 121	23 062
NONMETALS¹								
Surface	4 900	4 553	4 620	5 318	6 369	6 051	6 185	6 286
Underground	2 214	2 125	2 098	2 093	1 967	1 926	1 964	2 009
Mill	4 585	4 429	4 369	4 591	4 625	4 211	4 392	4 506
Total	11 699	11 107	11 087	12 002	12 961	12 188	12 541	12 800
TOTAL NON-FUEL MINERAL INDUSTRY								
Surface	12 445	11 103	10 593	9 844	10 836	12 409	10 947	11 478
Underground	15 828	14 330	13 379	13 489	14 272	12 536	13 520	11 278
Mill	14 594	13 582	12 877	13 479	14 197	13 073	13 195	13 107
Total	42 867	39 015	36 849	36 812	39 305	38 018	37 662	35 862

Source: Natural Resources Canada.

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

TABLE 28. CANADA, MINE AND MILL WORKERS, BY SEX, EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY, 1998

	Mine Workers							
	Underground		Surface		Mill Workers		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
	(number)							
METALS								
Gold	3 717	29	802	34	1 736	56	6 255	119
Silver-lead-zinc	890	4	133	8	824	23	1 847	35
Iron ore	13	—	911	29	2 860	130	3 784	159
Nickel-copper-zinc ¹	4 370	30	2 604	35	2 266	96	9 240	161
Miscellaneous metal mines ²	199	17	623	13	574	36	1 396	66
Total	9 189	80	5 073	119	8 260	341	22 522	540
NONMETALS								
Peat	—	—	442	32	859	61	1 301	93
Gypsum	123	—	300	—	111	2	534	2
Potash	1 168	19	19	1	1 282	42	2 469	62
Salt	503	1	189	5	350	9	1 042	15
Diamond	—	—	48	4	27	5	75	9
Stone	—	—	1 804	15	590	18	2 394	33
Sand and gravel	—	—	2 770	89	215	4	2 985	93
Shale, clay and refractory minerals	—	—	31	—	111	1	142	1
Miscellaneous nonmetals ³	195	—	533	4	808	11	1 535	15
Total	1 989	20	6 136	150	4 353	153	12 477	323
Total non-fuel mineral industry ⁴	11 178	100	11 209	269	12 613	494	34 999	863

Source: Natural Resources Canada.

— Nil.

¹ Includes copper-zinc and nickel-copper mines. ² Includes molybdenum and uranium mines. ³ Includes asbestos. ⁴ Coal data are not available.

TABLE 29. CANADA, LABOUR COSTS FOR METAL MINES IN RELATION TO TONNES MINED, 1996-98

	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 tonnes)	(tonnes)	(\$)
1996						
Uranium	527	28 245	53 595	1 333	2 530	21.18
Gold	5 350	330 486	61 773	30 901	5 775	10.70
Silver-lead-zinc	1 553	83 214	53 583	11 656	7 505	7.14
Nickel-copper-zinc	8 182	463 280	56 622	98 671	12 059	4.70
Miscellaneous metals	382	20 020	52 407	14 659	38 374	1.37
Iron ore	974	76 455	78 496	95 783	98 339	0.80
Total	16 968	1 001 699	59 035	253 003	14 910	3.96
1997						
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	6 275	7.49
Uranium	355	23 408	65 937	979	2 757	23.91
Iron ore	1 010	80 658	79 859	94 430	93 495	0.85
Miscellaneous metals	542	28 061	51 772	14 166	26 136	1.98
Total	16 318	1 023 349	62 713	247 999	15 197	4.13
1998						
Gold	4 314	301 093	69 794	29 736	6 893	10.13
Nickel-copper-zinc	7 307	452 614	61 942	109 413	14 974	4.14
Silver-lead-zinc	1 035	61 142	59 074	8 484	8 196	7.21
Uranium	330	20 179	61 147	377	1 141	53.57
Iron ore	953	78 769	82 653	96 743	101 513	0.81
Miscellaneous metals	522	28 892	55 348	15 142	29 006	1.91
Total	14 461	942 688	65 188	259 893	17 972	3.63

Source: Natural Resources Canada.

Note: Numbers may not add due to rounding.

TABLE 30. CANADA, PERSON-HOURS PAID FOR PRODUCTION AND RELATED WORKERS, AND TONNES OF ORE MINED AND ROCK QUARRIED IN METAL MINES AND OTHER MINERAL OPERATIONS, 1993-98

	Unit	1993r	1994r	1995r	1996r	1997r	1998
METAL MINES¹							
Ore mined	Mt	236.5	233.7	260.5	253.0	248.0	259.9
Person-hours paid ²	million	55.5	53.7	57.1	56.1	54.6	50.2
Person-hours paid per tonne mined	number	0.23	0.23	0.22	0.22	0.22	0.19
Tonnes mined per person-hour paid	t	4.26	4.35	4.56	4.51	4.54	5.18
OTHER MINERAL OPERATIONS³							
Ore mined and rock quarried	Mt	151.7	170.5	173.0	167.9	178.4	167.5
Person-hours paid ²	million	29.4	29.8	29.3	32.1	29.0	26.7
Person-hours paid per tonne mined	number	0.19	0.17	0.17	0.19	0.16	0.16
Tonnes mined per person-hour paid	t	5.16	5.73	5.90	5.23	6.16	6.27

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 31. CANADA, AVERAGE WEEKLY WAGES (INCLUDING OVERTIME) FOR HOURLY RATED EMPLOYEES IN THE MINING, MINERAL MANUFACTURING, AND LOGGING AND FORESTRY INDUSTRIES, 1992-2000

	1992	1993	1994	1995	1996	1997	1998	1999	2000
	(\$)								
Oil and gas extraction	1 096.94	1 146.70	1 171.54	1 208.05	1 242.71	1 252.70	1 298.43	1 333.92	1 352.43
Mining	898.55	903.89	921.83	963.25	1 001.83	998.87	1 053.39	1 039.90	1 094.11
Coal mining	963.66	973.49	989.79	1 028.06	1 057.58	1 045.80	1 138.11	1 126.95	1 204.74
Metal ore mining	959.54	975.93	1 002.30	1 049.60	1 078.85	1 053.23	1 127.77	1 123.25	1 168.98
Nonmetallic ore mining	746.10	738.78	755.07	784.51	825.18	873.86	893.33	882.64	944.20
Support activities for mining and oil and gas extraction	740.83	817.90	816.27	817.21	895.53	948.30	978.06	970.21	1 013.57
Manufacturing	670.03	688.88	705.67	712.75	733.82	752.42	769.90	780.19	794.52
Forestry, logging and support	670.99	680.11	700.01	697.64	745.69	786.46	760.59	765.63	803.21

Source: Statistics Canada; *Annual Estimates of Employment, Earnings and Hours*.**TABLE 32. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY INDUSTRY, 1998-2000**

	1998			1999			2000 ^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
Logging and forestry	4	4 897	476 680	7	2 002	118 290	5	12 320	96 780
Fishing and trapping	–	–	–	–	–	–	–	–	–
Mining	7	771	92 060	8	2 676	150 580	9	4 455	164 440
Manufacturing	113	22 997	597 268	129	25 887	514 252	135	24 281	436 070
Construction	15	11 242	325 840	8	1 014	6 420	7	865	15 540
Transportation and utilities	29	5 771	108 180	43	36 215	685 540	40	7 443	105 190
Trade	41	1 767	43 140	43	2 421	78 755	34	9 638	91 350
Finance, insurance and real estate	14	1 364	38 798	13	499	39 650	15	1 126	30 880
Service	134	182 697	670 400	125	81 859	641 984	107	49 100	473 560
Public administration	21	3 884	82 150	36	6 028	210 190	23	35 889	220 520
Other industries	3	9 012	9 360	–	–	–	–	–	–
Total, all industries	381	244 402	2 443 876	413	158 612	2 445 721	376	145 344	1 659 130

Source: Human Resources Development Canada, Workplace Information Directorate.
– Nil; ^p Preliminary.**TABLE 33. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY MINING AND MINERAL MANUFACTURING INDUSTRY, 1998-2000**

	1998			1999			2000 ^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)								
MINING	7	771	92 060	8	2 676	150 580	9	4 455	164 440
Metals	3	488	76 440	4	2 174	137 280	3	1 710	140 200
Mineral fuels	1	100	100	1	250	250	3	2 459	20 060
Nonmetals	2	156	8 630	2	225	8 330	2	245	3 710
Quarries	1	27	6 890	1	27	4 720	1	41	470
MINERAL MANUFACTURING	14	1 400	21 130	15	2 515	27 470	23	2 512	73 110
Primary metals	6	1 081	4 160	6	1 926	17 370	5	1 138	35 330
Nonmetallic mineral products	8	319	16 970	9	589	10 100	17	874	34 780
Petroleum and coal products	–	–	–	–	–	–	1	500	3 000

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

TABLE 34. CANADA, MINING WAGES AND SALARIES BY PROVINCE, TERRITORY AND MINERAL CLASS, 1997 AND 1998

Province/Territory	1997				1998			
	Metals	Nonmetals	Coal	Total	Metals	Nonmetals	Coal	Total
	(\$000)							
Newfoundland	175 643	2 739	–	178 382	178 355	3 479	–	181 834
Prince Edward Island	–	1 194	–	1 194	–	1 104	–	1 104
Nova Scotia	–	39 124	68 749	107 873	–	39 679	54 043	93 722
New Brunswick	74 646	53 787	3 300	131 733	78 070	46 642	3 484	128 197
Quebec	498 398	176 922	–	675 321	511 915	162 788	–	674 703
Ontario	704 014	171 979	–	875 993	697 669	186 831	–	884 500
Manitoba	204 266	11 954	–	216 221	197 115	11 844	–	208 959
Saskatchewan	x	209 931	x	313 675	x	226 705	x	317 680
Alberta	–	x	x	209 269	–	x	x	224 969
British Columbia	233 252	38 548	255 694	527 494	245 434	37 752	229 892	513 078
Yukon	x	x	–	24 852	x	x	–	10 875
Northwest Territories	134 345	–	–	134 345	63 462	6 173	–	69 634
Total	2 127 228	751 085	518 038	3 396 351	2 049 090	790 861	469 303	3 309 255

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential.

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

TABLE 35. CANADA, SOURCE OF ORES HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1996-98

Mines	1996			1997			1998		
	Underground	Open-Pit	Total	Underground	Open-Pit	Total	Underground	Open-Pit	Total
	(000 tonnes)								
METALS									
Gold	18 684	12 217	30 901	18 060	15 864	33 924	15 861	13 875	29 736
Silver-lead-zinc	7 617	4 039	11 656	7 835	1 773	9 608	8 310	174	8 484
Uranium	922	411	1 333	535	444	979	377	–	377
Iron	731	95 052	95 783	663	93 767	94 430	372	96 371	96 743
Nickel-copper-zinc	28 851	69 820	98 671	26 504	68 388	94 892	26 201	83 212	109 413
Miscellaneous metals	1 073	13 586	14 659	1 059	13 107	14 166	1 025	14 117	15 142
Subtotal metals	57 879	195 124	253 003	54 656	193 343	247 999	52 145	207 749	259 893
NONMETALS									
Asbestos	x	x	x	x	x	x	x	x	x
Gypsum	933	7 651	8 584	1 114	8 027	9 141	977	7 885	8 863
Potash	34 103	–	34 103	38 932	–	38 932	39 514	–	39 514
Rock salt	11 226	–	11 226	12 690	–	12 690	13 277	–	13 277
Diamonds	–	–	–	–	–	–	–	402	402
Miscellaneous nonmetals	x	x	x	x	x	x	x	x	x
Subtotal nonmetals	48 025	19 466	67 491	54 671	21 982	76 653	55 645	16 495	72 140
MINERAL FUELS									
Coal	4 593	95 766	100 359	4 730	97 005	101 735	3 910	91 453	95 363
Total metals, nonmetals and mineral fuels	110 497	310 357	420 853	114 057	312 330	426 386	111 700	315 696	427 396
Percentage	26.3	73.7	100.0	26.7	73.3	100.0	26.1	73.9	100.0

Sources: Natural Resources Canada; Statistics Canada.

– Nil; x Confidential.

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

TABLE 36. CANADA, SOURCE OF MATERIAL HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1998

	Underground		Open-Pit			Tailings
	Ore	Waste	Ore	Waste	Overburden	
(000 tonnes)						
METALS						
Gold	16 579	3 598	19 875	40 597	2 686	34 605
Silver-lead-zinc	8 310	564	174	841	—	7 295
Uranium	377	158	—	—	—	912
Iron	372	—	96 371	10 176	10 570	57 227
Nickel-copper-zinc	25 483	1 347	77 212	72 631	4 318	98 782
Miscellaneous metals	1 025	109	14 117	16 121	—	11 640
Subtotal metals	52 145	5 776	207 748	140 366	17 574	210 462
NONMETALS						
Asbestos	x	x	x	x	x	x
Gypsum	977	148	7 885	2 760	2 832	147
Potash	39 514	4 854	—	—	—	21 323
Rock salt	13 277	513	—	—	—	1 097
Diamonds	—	—	402	6 370	—	—
Miscellaneous nonmetals	x	x	x	x	x	x
Subtotal nonmetals	55 645	5 558	16 495	29 348	2 939	27 220
MINERAL FUELS						
Coal	3 910	..	91 453	..	..	..
Total metals, nonmetals and mineral fuels	111 700	11 334	315 696	169 714	20 513	237 682

Sources: Natural Resources Canada; Statistics Canada.

— Nil; .. Not available; x Confidential.

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

TABLE 37. CANADA, ORE MINED AND ROCK QUARRIED IN THE MINING INDUSTRY, 1994-98

	1994	1995	1996	1997	1998
(000 tonnes)					
METALS					
Gold	21 288	25 120	30 901	33 924	29 736
Silver-lead-zinc	7 444	10 295	11 656	9 608	8 484
Uranium	1 756	1 364	1 333	979	377
Iron	95 723	95 538	95 783	94 430	96 743
Nickel-copper-zinc	92 651	113 259	98 671	94 892	109 413
Miscellaneous metals	14 887	14 899	14 659	14 166	15 142
Subtotal metals	233 748	260 475	253 003	247 999	259 893
NONMETALS					
Asbestos	x	x	x	x	x
Gypsum	8 944	8 623	8 584	9 141	8 863
Potash	38 846	40 196	34 103	38 932	39 514
Rock salt	11 758	9 854	11 226	12 690	13 277
Diamonds	0	0	0	0	402
Miscellaneous nonmetals	x	x	x	x	x
Subtotal nonmetals	73 864	72 596	67 491	76 653	72 140
STRUCTURAL MATERIALS					
Stone, all kinds quarried	110 411	120 660	112 420	120 953	129 057
Sand and gravel	247 148	230 098	217 361	227 315	231 639
MINERAL FUELS					
Coal	96 616	97 707	100 359	101 735	95 363
Total ore mined and rock quarried	761 787	781 536	750 634	774 655	788 093

Sources: Natural Resources Canada; Statistics Canada.

x Confidential.

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

**TABLE 38. CANADA, ORE MINED AND ROCK QUARRIED
IN THE MINING INDUSTRY, 1961-98**

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	248.0	197.6	101.7	547.3
1998	259.9	201.2	95.4	556.5

Sources: Natural Resources Canada; Statistics Canada.

.. Not available.

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 39. CANADA, CRUDE MINERALS TRANSPORTED BY CANADIAN RAILWAYS, 1997-2000

	1997 ^r	1998 ^r	1999	2000
	(000 tonnes)			
METALLIC MINERALS				
Iron ores and concentrates	39 254	38 765	32 263	38 964
Nickel and nickel-copper ores and concentrates	3 230	3 182	2 921	2 351
Zinc ores and concentrates	1 571	1 317	499	1 158
Copper ores and concentrates	957	1 189	1 179	1 484
Lead ores and concentrates	(1)	(1)	626	1 030
Metallic ores and concentrates, n.e.s.	1 101	698	96	99
Subtotal	46 113	45 152	37 584	45 088
NONMETALLIC MINERALS				
Potash (KCl)	14 204	13 890	13 378	14 197
Sulphur	7 330	6 897	7 570	7 446
Salt	1 889	1 852	1 319	1 218
Phosphate rock	1 056	1 097	94	468
Sand, gravel and stone	1 697	1 972	2 181	3 026
Other nonmetallic minerals	5 385	5 035	5 870	5 575
Subtotal	31 561	30 742	30 412	31 930
MINERAL FUELS				
Coal	40 479	37 805	42 039	39 253
Subtotal	40 479	37 805	42 039	39 253
Total crude minerals	118 153	113 699	110 034	116 270
Total revenue freight moved by Canadian railways	288 902	279 511	236 674	252 116
Crude minerals as a percentage of total revenue freight	40.9	40.7	46.5	46.1

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.

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, PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1997-2000

	1997	1998	1999	2000
	(000 tonnes)			
METALLIC MINERAL PRODUCTS				
Alumina	4 422	4 553	5 174	5 107
Iron and steel, primary or semi-finished	4 062	4 418	2 763	3 650
Copper, primary or semi-finished	473	417	1 137	611
Aluminum, primary or semi-finished	1 363	1 451	1 528	1 460
Other nonferrous metal, primary or semi-finished	1 075	1 020	413	454
Articles of metal-based products	–	–	1 121	944
Metallic waste and scrap	1 567	1 563	2 049	2 022
Total metallic mineral products	12 962	13 422	14 186	14 249
NONMETALLIC MINERAL PRODUCTS				
Sulphuric acid	2 357	2 561	2 245	2 384
Fertilizers (excluding potash)	5 256	5 038	4 963	5 041
Cement	2 115	2 084	2 261	2 443
Other nonmetallic mineral products	1 979	2 023	1 040	828
Total nonmetallic mineral products	11 706	11 886	10 509	10 696
MINERAL FUEL PRODUCTS				
Gasoline and aviation turbine fuel	1 547	1 604	1 494	1 539
Fuel oils and crude petroleum	1 099	1 505	3 297	3 357
Gaseous hydrocarbons, including liquefied petroleum gases	1 489	3 814	4 258	4 451
Coal coke and petroleum coke	1 626	1 361	1 253	1 344
Other refined petroleum and coal products	1 069	3 606	1 881	1 994
Total mineral fuel products	6 829	11 890	12 184	12 684
Total processed mineral products	31 498	37 198	36 878	37 629
Total revenue freight ¹ moved by Canadian railways	288 902	279 511	236 674	252 116
Crude minerals as a percentage of total revenue freight	10.9	13.3	15.6	14.9

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 1997 and 1998 have been recalculated using the monthly data series.

TABLE 41. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1961-2000

Year	Total Revenue Freight ¹	Total Crude Minerals	Total Processed Mineral Products	Total Crude and Processed Minerals	Crude and Processed Minerals 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

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

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 42. CANADA, CRUDE MINERALS LOADED AND UNLOADED IN COASTWISE SHIPPING, 1999

	Loaded					Unloaded				
	Atlantic	St. Lawrence	Great Lakes	Pacific	Total	Atlantic	St. Lawrence	Great Lakes	Pacific	Total
	(tonnes)									
METALLIC MINERALS										
Iron ore and concentrates	–	7 056 982	6 211	24 434	7 087 627	–	1 336 285	5 726 908	24 434	7 087 627
Aluminum ores and concentrates	–	26 291	–	–	26 291	–	–	26 291	–	26 291
Other ores and concentrates	600	3 133 903	224 324	–	3 358 827	–	3 045 395	313 432	–	3 358 827
Total metallic minerals	600	10 217 176	230 535	24 434	10 472 745	–	4 381 680	6 066 631	24 434	10 472 745
NONMETALLIC MINERALS										
Salt	1 454 971	15 042	1 565 032	49 536	3 084 581	450 768	1 498 007	1 086 270	49 536	3 084 581
Limestone	226 719	–	1 874 518	893 337	2 994 574	31 373	195 346	1 874 518	893 337	2 994 574
Sand and gravel	100 954	–	227 992	1 145 817	1 474 763	104 558	24 706	203 285	1 142 213	1 474 762
Gypsum	976 641	16 692	–	67 390	1 060 723	226 254	473 897	293 183	67 390	1 060 724
Potash	–	–	88 696	–	88 696	5 436	33 325	49 935	–	88 696
Sulphur	–	–	–	1 420	1 420	–	–	–	1 420	1 420
Other mineral products (including clays, coal briquettes, greases and asphalt)	417 053	107 196	2 436 712	633 769	3 594 730	200 520	605 231	2 115 209	633 769	3 594 729
Total nonmetallic minerals	3 176 338	138 930	6 192 950	2 791 269	12 299 487	1 018 909	2 830 512	5 662 400	2 787 665	12 299 486
MINERAL FUELS										
Coal and coke	–	–	699 181	69 473	768 654	1 614	127 596	569 971	69 473	768 654
Crude petroleum	1 481 438	5 914	–	47 730	1 535 082	1 529 168	5 914	–	–	1 535 082
Total mineral fuels	1 481 438	5 914	699 181	117 203	2 303 736	1 530 782	133 510	569 971	69 473	2 303 736
Total crude minerals	4 658 376	10 362 020	7 122 666	2 932 906	25 075 968	2 549 691	7 345 702	12 299 002	2 881 572	25 075 967
Total all commodities ¹	7 922 233	13 972 106	14 120 389	14 776 525	50 791 253	6 604 986	14 033 579	15 427 497	14 725 191	50 791 253
Crude minerals as a percentage of all products	58.8	74.2	50.4	19.8	49.4	38.6	52.3	79.7	19.6	49.4

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 43. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED IN COASTWISE SHIPPING, 1999

	Loaded					Unloaded				
	Atlantic	St. Lawrence	Great Lakes	Pacific	Total	Atlantic	St. Lawrence	Great Lakes	Pacific	Total
	(tonnes)									
METALLIC MINERAL PRODUCTS										
Iron, steel and alloys	184	8 922	642	32 216	41 964	487	539	8 721	32 216	41 963
Aluminum and aluminum products	–	220 372	–	–	220 372	–	220 372	–	–	220 372
Other base-metal products	690	16 290	–	–	16 980	4 386	12 594	–	–	16 980
Total metallic mineral products	874	245 584	642	32 216	279 316	4 873	233 505	8 721	32 216	279 315
NONMETALLIC MINERAL PRODUCTS										
Cement and related products	712	37 013	425 028	32 854	495 607	712	3 885	458 156	32 854	495 607
Other processed nonmetallic minerals, n.e.s.	235 958	17 969	5 314	209 878	469 119	101 174	152 753	5 314	209 878	469 119
Total nonmetallic mineral products	236 670	54 982	430 342	242 732	964 726	101 886	156 638	463 470	242 732	964 726
MINERAL FUEL PRODUCTS										
Gasoline	1 042 477	563 838	186 947	121 717	1 914 979	1 196 235	292 449	304 578	121 717	1 914 979
Other processed mineral fuels, n.e.s.	1 552 279	1 807 670	926 485	110 329	4 396 763	1 711 761	1 440 289	1 134 384	110 329	4 396 763
Total mineral fuel products	2 594 756	2 371 508	1 113 432	232 046	6 311 742	2 907 996	1 732 738	1 438 962	232 046	6 311 742
Total processed mineral products	2 832 300	2 672 074	1 544 416	506 994	7 555 784	3 014 755	2 122 881	1 911 153	506 994	7 555 783
Total all commodities ¹	7 922 233	13 972 106	14 120 389	14 776 525	50 791 253	6 604 986	14 033 579	15 427 497	14 725 191	50 791 253
Processed mineral products as a percentage of all commodities	35.8	19.1	10.9	3.4	14.9	45.6	15.1	12.4	3.4	14.9

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 44. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN COASTWISE SHIPPING, 1961-99

Year	Total All Commodities ¹	Total Crude Minerals	Total Processed Minerals	Crude and Processed Minerals as a Percentage of All Products
	(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

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 45. CANADA, CRUDE MINERALS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE,¹ 1997-99

	1997		1998		1999	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
METALLIC MINERALS						
Iron ore and concentrates	32 875 255	8 033 932	30 793 211	7 631 659	28 031 061	7 526 759
Aluminum ores and concentrates	81 200	2 771 756	84 099	2 912 687	15 586	2 841 851
Lead and zinc ores and concentrates	924 026	452 714	990 191	560 450	449 623	581 774
Copper and nickel ores and concentrates	751 545	218 313	712 123	383 969	474 800	458 345
Other ores and base-metal products	1 329 312	332 979	2 065 168	250 453	1 891 167	340 828
Total metallic minerals	35 961 338	11 809 694	34 644 792	11 739 218	30 862 237	11 749 557
NONMETALLIC MINERALS						
Limestone	2 654 250	3 096 455	2 843 399	2 979 514	2 807 913	2 932 627
Sand and gravel	1 537 271	793 206	857 713	782 724	1 818 787	369 750
Gypsum	6 157 811	457 371	6 301 586	509 495	6 905 149	534 850
Salt	3 493 441	1 094 266	4 187 659	989 121	3 717 679	1 096 312
Sulphur	5 512 305	534	5 231 603	86	5 379 066	309
Potash	6 117 530	28	4 764 411	18	4 834 806	6 656
Other mineral products (including clays, coal briquettes, greases and asphalt)	4 925 802	2 805 177	5 895 738	3 112 470	6 081 157	2 738 258
Total nonmetallic minerals	30 398 410	8 247 037	30 082 109	8 373 428	30 907 557	7 678 762
MINERAL FUELS						
Coal and coke	36 549 641	15 081 228	33 682 218	19 443 252	32 312 668	20 561 540
Crude petroleum	8 073 655	30 364 239	9 310 254	27 903 439	9 281 348	28 450 563
Other mineral fuels	—	—	—	—	—	—
Total mineral fuels	44 623 296	45 445 467	42 992 472	47 346 691	41 594 016	49 012 103
Total crude mineral products	110 983 044	65 502 198	107 719 373	67 459 337	103 363 810	68 440 422
Total all commodities ¹	187 716 502	94 535 096	178 893 100	100 457 100	179 172 916	101 485 641
Crude minerals as a percentage of all commodities	59.1	69.3	60.2	67.2	57.7	67.4

Source: Statistics Canada.

— Nil.

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 46. CANADA, PROCESSED MINERAL PRODUCTS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE,¹ 1997-99

	1997		1998		1999	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
METALLIC MINERAL PRODUCTS						
Iron, steel and alloys	1 451 001	3 638 383	1 249 954	5 065 878	145 844	1 079 083
Nonferrous metals, n.e.s.	1 047 466	3 914 078	1 030 974	4 253 307	885 477	4 112 018
Total metallic mineral products	2 498 467	7 552 461	2 280 928	9 319 185	1 031 321	5 191 101
NONMETALLIC MINERAL PRODUCTS						
Cement and related products	2 739 896	375 340	3 453 497	675 398	3 525 229	713 202
Other nonmetallic minerals, n.e.s.	2 142 140	1 747 880	2 272 853	1 801 768	2 737 138	2 193 651
Total nonmetallic mineral products	4 882 036	2 123 220	5 726 350	2 477 166	6 262 367	2 906 853
MINERAL FUEL PRODUCTS						
Gasoline	4 114 237	1 958 796	3 963 390	1 788 736	4 326 864	1 851 140
Fuel oil	3 955 310	2 635 535	3 808 619	3 340 323	3 775 318	2 282 998
Coke, petroleum and coal products	573 595	1 009 136	518 117	1 071 176	441 624	1 346 534
Other mineral fuels, n.e.s.	2 443 171	1 363 522	121 098	676 223	2 895 947	1 613 047
Total mineral fuel products	11 086 313	6 966 989	8 411 224	6 876 458	11 439 753	7 093 719
Total processed mineral products	18 466 816	16 642 670	16 418 502	18 672 809	18 733 441	15 191 673
Total all commodities ¹	187 716 502	94 535 096	178 893 100	100 457 100	179 172 916	101 485 641
Processed mineral products as a percentage of all commodities	9.8	17.6	9.2	18.6	10.5	15.0

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 47. CANADA, CRUDE MINERALS AND PROCESSED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 1961-99

Year	Total All Commodities ¹	Total Crude Minerals	Total Processed Minerals	Crude and Processed Minerals 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	18 733	68.1

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 48. CANADA, CAPITAL AND REPAIR EXPENDITURES BY SELECTED INDUSTRIAL SECTOR, 1999-2001

		Capital Expenditures			Repair Expenditures ¹		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Agriculture, forestry, fishing and hunting	1999	1 567.9	2 624.5	4 192.4	739.6	2 534.0	3 273.6
	2000 ^p	1 568.1	2 650.4	4 218.5	..	..	..
	2001 ⁱ	1 612.8	2 631.9	4 244.7	..	..	..
Mining ²	1999	15 407.4	2 930.3	18 337.7	685.5	1 959.6	2 645.1
	2000 ^p	19 077.1	4 666.6	23 743.7	..	..	..
	2001 ⁱ	20 756.7	4 526.9	25 283.6	..	..	..
Manufacturing	1999	3 656.1	16 574.7	20 230.8	1 563.3	8 920.7	10 484.0
	2000 ^p	3 885.9	17 377.2	21 263.1	..	..	..
	2001 ⁱ	3 579.3	16 177.6	19 756.9	..	..	..
Construction	1999	326.2	2 424.5	2 750.7	64.4	1 060.6	1 125.0
	2000 ^p	342.8	2 569.7	2 912.5	..	..	..
	2001 ⁱ	347.5	2 641.1	2 988.6	..	..	..
Transportation and warehousing	1999	6 367.2	6 754.0	13 121.2	1 447.3	3 791.5	5 238.8
	2000 ^p	5 729.8	5 139.2	10 869.0	..	..	..
	2001 ⁱ	5 088.8	5 218.2	10 307.0	..	..	..
Utilities	1999	4 340.3	3 216.2	7 556.5	941.3	1 279.1	2 220.4
	2000 ^p	5 182.4	3 058.8	8 241.2	..	..	..
	2001 ⁱ	5 943.8	3 022.6	8 966.4	..	..	..
Wholesale and retail trade	1999	1 660.7	2 064.6	3 725.3	243.1	349.5	592.6
	2000 ^p	1 919.4	2 357.4	4 276.8	..	..	..
	2001 ⁱ	1 765.1	2 058.1	3 823.2	..	..	..
Housing	1999	41 121.1	—	41 121.1	5 445.3	—	5 445.3
	2000 ^p	42 698.0	—	42 698.0	..	..	..
	2001 ⁱ	45 018.0	—	45 018.0	..	..	..
Total ³	1999	100 877.5	70 425.4	171 302.9	16 719.6	24 386.6	41 106.2
	2000 ^p	107 786.9	72 117.3	179 904.2	..	..	..
	2001 ⁱ	112 715.1	70 336.8	183 051.9	..	..	..
Mining as a percentage of total	1999	15.3	4.2	10.7	4.1	8.0	6.4
	2000 ^p	17.7	6.5	13.2	..	..	..
	2001 ⁱ	18.4	6.4	13.8	..	..	..

Source: Statistics Canada.

— Nil; .. Not available; i Intentions; p Preliminary actual.

¹ Repair data are not available for 1999 and 2000. ² Includes mines, quarries and oil wells. ³ 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 1980 Standard Industrial Classification.

TABLE 49. CANADA, CAPITAL AND REPAIR EXPENDITURES IN THE MINERAL INDUSTRY¹ BY PROVINCE AND TERRITORY, 1999-2001

Province/ Territory		Capital Expenditures			Repair Expenditures ²		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Newfoundland	1999	1 539.8	46.1	1 585.9	x	x	x
	2000 ^P	x	x	1 210.7	..	..	..
	2001 ⁱ	x	x	812.6	..	..	..
Nova Scotia	1999	1 242.9	52.9	1 295.8	0.7	32.3	33.0
	2000 ^P	559.6	45.8	605.4	..	..	..
	2001 ⁱ	606.2	21.0	627.2	..	..	..
New Brunswick	1999	x	x	69.9	x	x	75.8
	2000 ^P	x	x	106.3	..	..	..
	2001 ⁱ	x	x	55.5	..	..	..
Quebec	1999	651.9	419.0	1 070.9	49.0	311.6	360.6
	2000 ^P	890.0	332.3	1 222.3	..	..	..
	2001 ⁱ	622.8	618.6	1 241.4	..	..	..
Ontario	1999	479.5	219.9	699.4	54.5	243.3	297.3
	2000 ^P	453.5	257.9	711.4	..	..	..
	2001 ⁱ	485.0	221.1	706.1	..	..	..
Manitoba	1999	115.0	12.1	127.1	3.2	54.6	57.8
	2000 ^P	206.3	34.6	240.9	..	..	..
	2001 ⁱ	206.2	38.0	244.2	..	..	..
Saskatchewan	1999	1 185.7	173.7	1 359.4	98.2	148.2	246.4
	2000 ^P	1 512.8	169.3	1 682.1	..	..	..
	2001 ⁱ	1 530.2	170.7	1 700.9	..	..	..
Alberta	1999	8 718.6	1 867.8	10 586.4	376.4	640.9	1 107.3
	2000 ^P	12 553.9	3 200.7	15 754.6	..	..	..
	2001 ⁱ	14 398.3	3 151.7	17 550.0	..	..	..
British Columbia	1999	1 010.9	105.4	1 116.3	70.9	257.2	328.1
	2000 ^P	1 690.8	115.5	1 806.3	..	..	..
	2001 ⁱ	1 642.8	119.0	1 761.8	..	..	..
Yukon	1999	22.2	1.8	24.0	x	x	x
	2000 ^P	16.8	0.4	17.2	..	..	..
	2001 ⁱ	30.2	1.8	32.0	..	..	..
Northwest Territories	1999	251.1	10.6	261.7	7.2	62.0	69.2
	2000 ^P	305.1	38.7	343.8	..	..	..
	2001 ⁱ	465.4	38.9	504.3	..	..	..
Nunavut	1999	x	x	x	x	x	x
	2000 ^P	x	x	x	..	..	..
	2001 ⁱ	x	x	x	..	..	..
Total Canada	1999	15 407.4	2 930.3	18 337.7	685.5	1 959.6	2 645.1
	2000	19 077.1	4 666.6	23 743.7	..	..	..
	2001	20 756.7	4 526.9	25 283.6	..	..	..

Source: Statistics Canada.

.. Not available; x Confidential; i Intentions; P Preliminary actual.

¹ Includes mines, quarries and oil wells. ² Repair data are not available for 1999 and 2000.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the 1980 Standard Industrial Classification.

TABLE 50. CANADA, CAPITAL AND REPAIR¹ EXPENDITURES IN THE MINING AND OIL AND GAS EXTRACTION INDUSTRIES, 1999-2001

	Capital	1999 Repair	Total	2000 ^P Capital	2001 ⁱ Capital
	(\$ millions)				
MINERAL EXTRACTION					
Metal ore mining					
Iron	168.80	233.40	402.20	372.00	690.10
Gold and silver	477.80	216.00	693.80	596.50	596.10
Lead-zinc	60.40	x	x	x	57.80
Nickel-copper	234.20	167.90	402.10	312.00	291.10
Copper-zinc	198.00	120.60	318.60	250.30	216.50
Uranium	219.50	x	x	x	57.30
Other metal mines	480.00	42.00	522.10	200.70	113.30
Total	1 837.70	908.70	2 747.40	1 935.10	1 825.00
Nonmetallic mineral mining and quarrying					
Stone	164.20	35.90	200.10	103.90	73.40
Sand and gravel, clay, and ceramic and refractory	37.00	44.40	81.50	69.70	74.20
Asbestos	x	x	x	x	x
Gypsum	x	x	x	x	x
Potash	76.00	100.70	176.70	137.00	123.60
Peat	23.60	14.30	37.80	22.10	15.10
Other nonmetal mines	61.60	114.40	176.00	113.90	109.90
Total	85.20	128.70	213.80	136.00	125.00
Coal	178.50	230.60	409.10	128.00	118.90
Oil and gas extraction	14 893.60	858.90	15 752.40	20 066.40	21 726.10
Service industries incidental to mineral extraction	986.00	287.60	1 273.60	1 052.10	1 125.30
Total mineral industry	18 337.70	2 645.10	20 982.80	23 743.80	25 283.60

Source: Statistics Canada.

ⁱ Intentions; ^P Preliminary actual; x Confidential.¹ Repair data are not available for 1999 and 2000.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the 1980 Standard Industrial Classification.