

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, Statistics Canada, and Labour 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 to provide your input.)

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TABLE 1. MINERAL PRODUCTION OF CANADA, 1994-97P

	Unit	1994		1995		1996		1997P		
		(000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	(\$000)
METALS										
Antimony	kg		540	2 894	574	3 959	1 380	6 084	652	2 013
Bismuth	kg		129	1 196	159	1 815	150	1 598	183	1 834
Cadmium	kg		1 500	5 166	1 686	9 383	1 540	5 732	1 317	2 077
Calcium	kg		x	x	x	x	x	x	x	x
Cesium, pollucite	kg		x	x	x	x	x	x	x	x
Cobalt	kg		1 846	134 709	2 016	176 921	2 150	164 918	2 157	150 771
Columbium (niobium)	kg		x	x	x	x	x	x	x	x
Copper	kg		590 783	1 909 644	700 842	2 818 090	652 499	2 059 285	646 477	2 065 493
Germanium	kg		-	-	-	-	10	21 643	7	15 022
Gold	g		146 428	2 468 926	150 867	2 557 502	164 660	2 799 547	169 050	2 510 388
Ilmenite	t		x	x	x	x	x	x	x	x
Indium	g		x	x	x	x	x	x	x	x
Iron ore	t		36 416	1 214 862	36 628	1 291 474	34 400	1 321 727	37 284	1 431 210
Iron remelt	t		x	x	x	x	x	x	x	x
Lead	kg		167 584	125 353	204 226	176 656	241 751	254 564	170 380	148 401
Lithium	kg		x	x	x	x	x	x	x	x
Magnesium	kg		x	x	x	x	x	x	5 015	24 117
Molybdenum	kg		9 759	113 365	9 113	202 931	8 789	100 196	7 540	87 146
Nickel	kg		141 974	1 229 354	172 107	2 031 727	182 404	1 920 348	180 584	1 777 127
Platinum group	g		13 422	144 538	16 068	181 996	13 934	141 620	13 009	152 344
Rare earths	t		-	-	-	-	-	-	-	-
Rhenium	kg		x	x	x	x	x	x	x	x
Rubidium	kg		-	-	x	x	-	-	-	-
Selenium	kg		566	5 857	561	8 317	694	7 140	509	4 323
Silver	kg		740	171 767	1 245	285 136	1 243	282 510	1 213	259 075
Strontium	kg		-	-	-	-	-	-	-	-
Tantalum	kg		44	3 734	40	3 965	67	7 625	66	7 850
Tellurium	kg		42	1 342	102	2 074	59	1 744	40	762
Tin	kg		-	-	-	-	-	-	-	-
Tungsten	kg		-	-	-	-	-	-	-	-
Uranium (U)	kg		11 200	616 268	10 238	526 448	11 348	620 880	11 416	559 168
Vanadium	kg		-	-	-	-	-	-	-	-
Yttrium	kg		-	-	-	-	-	-	-	-
Zinc	kg		976 308	1 330 709	1 094 701	1 549 004	1 162 720	1 625 482	1 017 081	1 875 497
Total metals			9 749 519		12 172 744		11 697 468		11 425 691	
NONMETALS										
Asbestos	t		531	232 721	516	234 730	506	256 722	447	224 000
Barite	t		65	4 907	61	6 556	58	6 498	103	11 524
Bentonite ¹	t		-	-	-	-	-	-	-	-
Diatomite ¹	t		-	-	-	-	-	-	-	-
Fluorspar	t		-	-	-	-	-	-	-	-
Gemstones	kg		1 212	1 032	459	1 420	294	684	381	920
Graphite	t		x	x	x	x	x	x	x	x
Gypsum	t		8 587	96 641	8 055	88 417	8 202	85 415	8 503	91 704
Magnesite	t		x	x	x	x	x	x	x	x
Marl	t		x	x	x	x	x	x	x	x
Mica	t		x	x	x	x	x	x	x	x
Nepheline syenite	t		602	34 124	617	37 098	606	38 420	628	41 241
Peat	t		914	133 345	886	139 154	901	141 019	849	133 361
Perlite	t		-	-	-	-	-	-	-	-
Potash	t		8 517	1 287 086	8 855	1 424 344	8 120	1 277 860	9 301	1 465 585
Potassium sulphate	t		x	x	x	x	x	x	x	x
Pumice	t		-	-	x	x	x	x	x	x
Quartz	t		1 880	37 972	1 689	38 409	1 558	36 193	1 591	34 472
Salt	t		12 244	300 723	10 957	270 369	12 248	359 818	13 264	380 724
Serpentine	t		x	x	x	x	x	x	x	x
Soapstone, talc and pyrophyllite	t		126	16 722	108	16 243	77	15 151	76	15 166
Sodium sulphate	t		317	25 196	315	25 377	323	30 964	307	29 838
Sulphur in smelter gas	t		805	44 832	886	62 577	789	57 765	801	58 347
Sulphur, elemental	t		7 900	121 020	7 846	187 685	8 327	83 805	8 280	86 596
Titanium dioxide	t		x	x	x	x	x	x	x	x
Tremolite	t		x	x	x	x	x	x	x	x
Zeolite	t		x	x	x	x	x	x	x	x
Total nonmetals			2 648 122		2 906 085		2 757 504		2 902 048	
MINERAL FUELS										
Coal	t		72 824	1 811 650	74 920	1 834 630	75 860	1 936 050	78 470	1 929 490
Natural gas	000 m ³		138 856	9 428 640	148 202	6 830 779	153 578	8 734 860	156 842	10 109 542
Natural gas by-products	m ³		22 666	1 623 509	25 040	1 772 424	26 657	2 838 702	26 183	2 551 950
Petroleum	m ³		110 451	13 379 045	114 372	15 321 005	117 621	19 071 725	122 464	18 130 157
Total fuels			26 242 844		25 758 838		32 581 337		32 721 139	
STRUCTURAL MATERIALS										
Clay products	\$		..	113 924	..	95 634	..	110 218	..	144 264
Cement	t		10 584	838 130	10 440	842 492	11 587	964 380	12 015	1 022 332
Lime	t		2 449	200 347	2 462	206 933	2 402	202 579	2 447	209 487
Sand and gravel	t		245 398	832 134	225 991	793 489	213 831	772 590	214 302	800 531
Stone	t		92 502	559 890	98 578	591 255	92 449	592 172	94 230	617 660
Total structural materials			2 544 425		2 529 804		2 641 939		2 794 273	
Total all minerals			41 184 910		43 367 470		49 678 248		49 843 151	

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, 1971-97

	Metals	Nonmetals	Structurals	Fuels	Total	Per Capita	Population
						Value of Mineral Production	of Canada
	(\$ millions)					(\$)	(000)
1971	3 009	501	507	2 014	6 031	273.81	22 026
1972	3 037	514	571	2 368	6 490	291.23	22 285
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	668.88	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	1 407.75	29 256
1995	12 173	2 906	2 530	25 759	43 367	1 464.36	29 615
1996	11 697	2 758	2 642	32 581	49 678	1 657.65	29 969
1997P	11 426	2 902	2 794	32 721	49 843	1 645.69	30 287

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, 1997P

	Metals		Industrial Minerals		Mineral Fuels		Total	
	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)
Alberta	—	—	467 654	8.2	25 916 645	79.2	26 384 299	52.9
Ontario	3 834 345	33.6	1 617 587	28.4	78 822	0.2	5 530 754	11.5
Saskatchewan	620 109	5.4	1 421 862	25.0	3 378 440	10.3	5 420 410	10.9
British Columbia	1 504 836	13.2	462 565	8.1	2 654 636	8.1	4 622 037	9.3
Quebec	2 193 221	19.2	1 119 674	19.7	—	—	3 312 896	6.6
Manitoba	945 191	8.3	79 249	1.4	104 181	0.3	1 128 621	2.3
Newfoundland	927 809	8.1	40 759	0.7	28 782	0.1	997 350	2.0
New Brunswick	660 598	5.8	258 089	4.5	17 940	0.1	936 627	1.9
Northwest Territories	535 288	4.7	7 191	0.1	245 557	0.8	788 036	1.6
Nova Scotia	—	—	215 145	3.8	272 522	0.8	487 667	1.0
Yukon	204 294	1.8	2 934	0.1	23 614	0.1	230 842	0.5
Prince Edward Island	—	—	3 613	0.1	—	—	3 613	...
Total	11 425 691	100.0	5 696 321	100.0	32 721 139	100.0	49 843 151	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, TERRITORY AND MINERAL CLASS, 1996

	Metals		Industrial Minerals		Mineral Fuels		Total	
	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)	(\$000)	(% of total)
Alberta	304	—	440 092	8.2	25 777 635	79.1	26 218 031	52.8
Ontario	4 113 101	35.2	1 516 175	28.1	80 750	0.2	5 710 026	11.5
Saskatchewan	627 834	5.4	1 143 538	21.2	3 559 482	10.9	5 330 854	10.7
British Columbia	1 537 248	13.1	440 296	8.2	2 362 386	7.3	4 339 930	8.7
Quebec	2 223 269	19.0	1 194 575	22.1	—	—	3 417 845	6.9
Manitoba	825 385	7.1	69 205	1.3	107 355	0.3	1 001 946	2.0
New Brunswick	586 294	5.0	344 359	6.4	24 030	0.1	954 683	1.9
Newfoundland	871 217	7.4	31 249	0.6	—	—	902 466	1.8
Northwest Territories	510 369	4.4	7 682	0.1	262 534	0.8	780 585	1.6
Nova Scotia	—	—	203 685	3.8	388 968	1.2	592 653	1.2
Yukon	402 446	3.4	4 984	0.1	18 197	0.1	425 627	0.9
Prince Edward Island	—	—	3 604	0.1	—	—	3 604	...
Total	11 697 468	100.0	5 399 444	100.0	32 581 337	100.0	49 678 248	100.0

Sources: Natural Resources Canada; Statistics Canada.

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

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

TABLE 5. CANADA, VALUE OF MINERAL PRODUCTION BY PROVINCE AND TERRITORY, 1990-97

	1990	1991	1992r	1993	1994	1995	1996	1997p
	(\$ millions)							
Alberta	19 111	16 373	17 056	18 925	21 119	20 676	26 218	26 384
Ontario	6 446	5 101	4 776	4 534	4 921	5 825	5 710	5 531
Saskatchewan	3 183	2 863	3 158	3 238	4 225	4 580	5 331	5 420
British Columbia	3 954	3 840	3 500	3 538	4 066	4 501	4 340	4 622
Quebec	3 037	2 930	2 694	2 692	2 956	3 338	3 418	3 313
Manitoba	1 311	1 125	1 082	862	820	1 022	1 002	1 128
Newfoundland	878	671	706	699	837	878	902	997
New Brunswick	866	772	910	772	862	1 021	955	937
Northwest Territories	988	703	681	585	680	766	780	788
Nova Scotia	459	460	523	554	608	560	593	488
Yukon	542	349	496	141	86	196	425	231
Prince Edward Island	3	3	2	4	3	4	4	4
Total	40 778	35 190	35 584	36 545	41 185	43 367	49 678	49 843

Sources: Natural Resources Canada; Statistics Canada.

p Preliminary; r Revised.

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

TABLE 6. CANADA, PRODUCTION OF LEADING MINERALS, 1996 AND 1997

		Volume		Percent Change 1997/1996	Value		Percent Change 1997/1996
		1996	1997P		1996	1997P	
		(000 tonnes except where noted)			(\$ millions)		
METALS							
Gold	kg	164 659.8	169 049.7	2.7	2 799.5	2 510.4	-10.3
Copper		652.5	646.5	-0.9	2 059.3	2 065.5	0.3
Zinc		1 162.7	1 017.1	-12.5	1 625.5	1 875.5	15.4
Nickel		182.4	180.6	-1.0	1 920.3	1 777.1	-7.5
Iron ore		34 400.0	37 284.5	8.4	1 321.7	1 431.2	8.3
Uranium	tU	11 348.0	11 416.1	0.6	620.9	559.2	-9.9
Silver	t	1 242.8	1 212.6	-2.4	282.5	259.1	-8.3
Platinum group	kg	13 934.2	13 009.2	-6.6	141.6	152.3	7.6
Cobalt		2.2	2.2	0.3	164.9	150.8	-8.6
Lead	t	241.8	170.4	-29.5	254.6	148.4	-41.7
Molybdenum	t	8 789.3	7 540.0	-14.2	100.2	87.1	-13.0
NONMETALS							
Potash		8 120.4	9 301.0	14.5	1 277.9	1 465.6	14.7
Salt		12 248.5	13 264.3	8.3	359.8	380.7	5.8
Asbestos		506.3	447.0	-11.7	256.7	224.0	-12.7
Peat		900.5	848.7	-5.8	141.0	133.4	-5.4
Gypsum		8 201.8	8 502.6	3.7	85.4	91.7	7.4
Sulphur, elemental		8 326.9	8 280.2	-0.6	83.8	86.6	3.3
STRUCTURAL MATERIALS							
Cement		11 587.4	12 015.0	3.7	964.4	1 022.3	6.0
Sand and gravel		213 830.7	214 301.8	0.2	772.6	800.5	3.6
Stone		92 449.1	94 229.8	1.9	592.2	617.7	4.3
Lime		2 402.0	2 446.9	1.9	202.6	209.5	3.4
Clay products		..	..	..	110.2	144.3	30.9
MINERAL FUELS							
Petroleum, crude	000 m ³	117 620.6	122 463.7	4.1	19 071.7	18 130.2	-4.9
Natural gas	million m ³	153 578.3	156 841.5	2.1	8 734.9	10 109.5	15.7
Natural gas by-products	000 m ³	26 657.1	26 183.2	-1.8	2 838.7	2 552.0	-10.1
Coal		75 860.0	78 470.0	3.4	1 936.1	1 929.5	-0.3

Sources: Natural Resources Canada; Statistics Canada.

.. Not available; P Preliminary.

Note: Numbers have been rounded.

TABLE 7. PRODUCTION OF LEADING MINERALS, BY PROVINCE AND TERRITORY IN CANADA, 1997P

	Unit	Nfld.	P.E.I.	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	N.W.T.	Total Canada
	(000)													
Petroleum, crude	m ³	171	-	663	-	-	227	631	22 760	93 375	2 990	-	1 646	122 464
	\$	28 782	-	120 322	-	-	41 136	104 181	2 888 292	14 213 796	498 153	-	235 495	18 130 157
Natural gas	000 m ³	-	-	-	-	-	270	-	5 909	130 589	19 597	310	167	156 842
	\$	-	-	-	-	-	37 686	-	356 066	8 708 352	973 762	23 614	10 062	10 109 542
Natural gas by-products	m ³	-	-	-	-	-	-	-	100	25 429	654	-	-	26 183
	\$	-	-	-	-	-	-	-	11 272	2 477 077	63 601	-	-	2 551 950
Gold	g	2 914	-	-	229	37 430	78 827	8 052	4 093	-	17 218	6 821	13 466	169 050
	\$	43 267	-	-	3 399	555 836	1 170 578	119 576	60 784	-	255 690	101 289	199 970	2 510 388
Copper	kg	313	-	-	13 185	126 002	235 479	51 767	-	-	219 731	-	-	646 477
	\$	1 001	-	-	42 127	402 576	752 354	165 395	-	-	702 040	-	-	2 065 493
Coal	t	-	-	2 550	170	-	-	-	11 620	36 250	27 880	-	-	78 470
	\$	-	-	152 200	17 940	-	-	-	122 810	517 420	1 119 120	-	-	1 929 490
Zinc	kg	-	-	-	269 938	181 863	115 655	80 813	-	-	162 155	38 734	167 923	1 017 081
	\$	-	-	-	497 766	335 355	213 267	149 019	-	-	299 014	71 426	309 650	1 875 497
Nickel	kg	-	-	-	-	-	135 631	44 953	-	-	-	-	-	180 584
	\$	-	-	-	-	-	1 334 742	442 385	-	-	-	-	-	1 777 127
Potash	t	-	-	-	x	-	-	-	x	-	-	-	-	9 301
	\$	-	-	-	x	-	-	-	x	-	-	-	-	1 465 585
Iron ore	t	21 848	-	-	-	14 914	421	-	-	-	102	-	-	37 284
	\$	883 436	-	-	-	x	x	-	-	-	2 296	-	-	1 431 210
Cement	t	x	-	x	-	2 955	5 404	-	-	x	1 808	-	-	12 015
	\$	x	-	x	-	219 841	407 680	-	-	x	187 176	-	-	1 022 332
Sand and gravel	t	1 966	313	4 229	4 063	25 293	88 284	10 110	11 125	31 698	34 847	866	1 508	214 302
	\$	10 447	1 353	16 119	x	72 032	329 283	x	x	134 486	151 523	2 934	6 244	800 531
Stone	t	2 370	-	5 947	3 843	28 618	42 300	4 100	-	572	6 273	-	205	94 230
	\$	22 125	-	35 508	17 876	181 965	288 312	17 445	-	6 780	46 701	-	947	617 660
Uranium (U)	kg	-	-	-	-	-	-	-	11 416	-	-	-	-	11 416
	\$	-	-	-	-	-	-	-	559 168	-	-	-	-	559 168
Salt	t	-	-	x	x	x	8 890	-	852	1 097	-	-	-	13 264
	\$	-	-	x	x	x	262 128	-	31 424	x	-	-	-	380 724
Silver	kg	0	-	-	240	204	205	36	1	-	470	38	18	1 213
	\$	106	-	-	51 310	43 597	43 742	7 707	156	-	100 389	8 215	3 854	259 075
Titanium dioxide	t	-	-	-	-	x	-	-	-	-	-	-	-	545
	\$	-	-	-	-	x	-	-	-	-	-	-	-	258 725
Iron, remelt	t	-	-	-	-	x	-	-	-	-	-	-	-	697
	\$	-	-	-	-	x	-	-	-	-	-	-	-	250 920
Asbestos	t	-	-	-	-	447	-	-	-	-	-	-	-	447
	\$	-	-	-	-	224 000	-	-	-	-	-	-	-	224 000
Lime	t	-	-	-	x	x	1 333	x	-	x	x	-	-	2 447
	\$	-	-	-	x	x	105 687	x	-	x	x	-	-	209 487
Platinum group	g	-	-	-	-	-	x	x	-	-	-	-	-	13 009
	\$	-	-	-	-	-	x	x	-	-	-	-	-	152 344
Cobalt	kg	-	-	-	-	-	1 714	444	-	-	-	-	-	2 157
	\$	-	-	-	-	-	119 765	31 006	-	-	-	-	-	150 771
Lead	kg	-	-	-	72 479	-	-	-	-	-	46 045	26 810	25 046	170 380
	\$	-	-	-	63 129	-	-	-	-	-	40 105	23 352	21 815	148 401
Clay products	\$	x	-	x	-	x	112 182	-	x	x	x	-	-	144 264
Peat	t	2	19	x	332	231	-	x	x	129	-	-	-	849
	\$	521	2 260	x	45 796	36 318	-	x	x	22 075	-	-	-	133 361
Gypsum	t	x	-	6 837	-	-	x	x	-	-	x	-	-	8 503
	\$	x	-	73 735	-	-	x	x	-	-	x	-	-	91 704
Total leading minerals	\$	997 336	3 613	484 667	927 764	3 173 986	5 386 566	1 112 013	5 381 025	26 293 216	4 470 606	230 831	788 035	49 249 906
Total all minerals	\$	997 350	3613	487 667	936 627	3 312 896	5 530 754	1 128 621	5 420 410	26 384 299	4 622 037	230 842	788 036	49 843 151
Leading minerals as % of all minerals		100.0	100.0	99.4	99.1	95.8	97.4	98.5	99.3	99.7	96.7	100.0	100.0	98.8

Sources: Natural Resources Canada; Statistics Canada.

- Nil; P Preliminary; x Confidential.

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

TABLE 8. CANADA'S WORLD ROLE AS A PRODUCER OF CERTAIN IMPORTANT MINERALS, 1996^p

		World	Rank of Five Leading Countries				
			1	2	3	4	5
Potash (K ₂ O equivalent) (mine production)	000 t % of world total	23 229	Canada 7 992 34.4	C.I.S. 5 395 23.2	Germany 3 334 14.4	Israel 1 500 6.5	United States 1 387 6.0
Uranium (U concentrates) (mine production)	t % of world total	35 512	Canada 11 689 32.9	Australia 4 945 13.9	United States 3 431 9.7	Niger 3 320 9.3	Namibia 2 453 6.9
Zinc (mine production)	000 t % of world total	7 268	Canada 1 222 16.8	Australia 1 071 14.7	China 1 040 14.3	Peru 759 10.4	United States 628 8.6
Cadmium (refined production)	t % of world total	18 509	Canada 2 433 13.1	Japan 2 344 12.7	Belgium 1 580 8.5	China 1 500 8.1	United States 1 450 7.8
Asbestos (mine production)	000 t % of world total	2 094	C.I.S. 800 38.2	Canada 475 22.7	China 250 11.9	Brazil 180 8.6	Zimbabwe 165 7.9
Sulphur, elemental (mine production)	000 t % of world total	38 437	United States 10 340 26.9	Canada 8 327 21.7	C.I.S. 4 055 10.5	Japan 1 791 4.7	Poland 1 760 4.6
Nickel (mine production)	000 t % of world total	1 056	Russia 230 21.8	Canada 193 18.3	New Caledonia 125 11.8	Australia 113 10.7	Indonesia 83 8.3
Titanium concentrates (ilmenite, rutile, slag)	000 t % of world total	6 345 ^e	Australia 2 238 35.3	South Africa 1 105 17.4	Canada 950 ^e 15.0	Norway 750 11.8	India 314 4.9
Aluminum (primary metal)	000 t % of world total	20 855	United States 3 577 17.2	Russia 2 874 13.8	Canada 2 283 10.9	China 1 776 8.5	Australia 1 370 6.6
Gypsum (mine production)	000 t % of world total	99 844	United States 17 500 17.5	Thailand 8 900 8.9	Canada 8 477 8.5	Iran 8 300 8.3	China 8 000 8.0
Salt (mine production)	000 t % of world total	191 996	United States 40 200 20.9	China 27 000 14.1	Canada 12 296 6.4	Germany 11 000 5.7	India 9 500 4.9
Copper (mine production)	000 t % of world total	11 036	Chile 3 116 28.2	United States 1 918 17.4	Canada 688 6.2	Australia 526 4.8	Indonesia 526 4.8
Platinum group metals (mine production)	kg % of world total	285 197	South Africa 188 400 66.1	Russia 69 600 24.4	Canada 14 688 5.2	United States 7 940 2.8	Japan 3 150 1.1
Lead (mine production)	000 t % of world total	2 850	China 500 17.5	Australia 482 16.9	United States 436 15.3	Canada 257 9.0	Peru 248 8.7
Cobalt (shipments)	t % of world total	25 338	Zaire 6 110 24.1	Zambia 4 799 18.9	Russia 4 200 16.6	Canada 2 150 8.5	Cuba 1 900 7.5
Gold (mine production)	t % of world total	2 233	South Africa 498 22.3	United States 318 14.2	Australia 290 13.0	Canada 166 7.4	China 123 5.5
Molybdenum (Mo content) (mine production)	t % of world total	124 957	United States 57 000 45.6	China 25 000 20.0	Chile 18 000 14.4	Canada 8 097 6.5	Russia 4 500 3.6

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

^e Estimated; ^p Preliminary.

C.I.S.: Commonwealth of Independent States.

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

TABLE 9. CANADA, GROSS DOMESTIC PRODUCT OF INDUSTRIAL PRODUCTION, MINING AND MINERAL MANUFACTURING AT FACTOR COST AT 1992 PRICES, 1992-97

	1992	1993	1994	1995	1996	1997
	(\$ millions)					
Total industrial production	141 603.0	148 799.0	157 789.0	164 241.0	166 684.0	174 776.0
Total mining	23 054.0	23 745.0	25 200.0	26 223.0	27 002.0	28 030.0
METALS						
Gold mines	1 203.0	1 165.0	1 126.0	1 141.0	1 231.0	1 285.0
Other metal mines	3 358.0	3 015.0	2 740.0	3 087.0	3 222.0	2 931.0
Iron mines	433.0	418.0	487.0	490.0	472.0	515.0
MINERAL FUELS						
Crude oil and natural gas	14 001.0	14 571.0	15 340.0	16 047.0	16 499.0	16 975.0
NONMETALS						
Asbestos	110.0	101.0	103.0	100.0	94.0	89.0
All nonmetals	200.0	221.0	240.0	242.0	247.0	255.0
Potash	706.0	656.0	787.0	881.0	775.0	873.0
Salt	147.0	144.0	163.0	146.0	162.0	181.0
Coal	797.0	881.0	917.0	948.0	981.0	999.0
Quarry and sand pits	562.0	630.0	698.0	738.0	680.0	694.0
SERVICES RELATED TO MINING	1 537.0	1 943.0	2 599.0	2 403.0	2 639.0	3 233.0
MINERAL MANUFACTURING						
Primary metals	5 293.0	6 015.0	6 127.0	6 307.0	6 523.0	6 752.0
Primary steel	2 035.0	2 343.0	2 398.0	2 427.0	2 510.0	2 601.0
Steel pipe and tube mills	333.0	434.0	507.0	466.0	518.0	599.0
Iron foundries	478.0	519.0	503.0	583.0	523.0	522.0
Nonferrous smelting and refining	1 775.0	1 948.0	1 908.0	1 974.0	2 072.0	2 078.0
Casting, rolling and extruding	672.0	771.0	811.0	857.0	900.0	952.0
Nonmetallic mineral products	2 547.0	2 604.0	2 701.0	2 791.0	2 847.0	3 038.0
Cement	319.0	344.0	388.0	393.0	409.0	438.0
Concrete products	408.0	357.0	372.0	399.0	375.0	403.0
Ready-mix concrete	407.0	437.0	441.0	421.0	433.0	441.0
Glass and glass products	582.0	611.0	643.0	674.0	706.0	786.0
Miscellaneous nonmetallic products	831.0	855.0	857.0	904.0	924.0	970.0
Petroleum and coal products	975.0	1 024.0	1 039.0	1 050.0	1 111.0	1 131.0

Sources: Natural Resources Canada; Statistics Canada.

TABLE 10. CANADA, GROSS DOMESTIC PRODUCT BY INDUSTRY AT FACTOR COST AT 1992 PRICES, 1992-97

	1992	1993	1994	1995	1996	1997
	(\$ millions)					
Gross domestic product, all industries	604 275.0	619 194.0	643 063.0	655 088.0	665 277.0	691 107.0
Agriculture	10 260.0	11 148.0	11 705.0	11 830.0	12 277.0	12 184.0
Fishing and trapping	1 026.0	1 058.0	927.0	801.0	851.0	880.0
Logging and forestry	4 031.0	4 218.0	4 247.0	4 422.0	4 304.0	4 125.0
Mines (including milling), quarries and oil wells	23 054.0	23 745.0	25 200.0	26 223.0	27 002.0	28 030.0
Manufacturing	96 181.0	101 877.0	108 403.0	113 740.0	114 942.0	122 040.0
Construction	37 112.0	35 541.0	37 293.0	35 397.0	36 412.0	39 064.0
Transportation and storage	26 078.0	26 523.0	27 707.0	28 172.0	28 254.0	29 629.0
Communications	19 541.0	19 347.0	20 442.0	21 784.0	23 238.0	24 880.0
Electric power, gas and water utilities	22 368.0	23 177.0	24 186.0	24 278.0	24 740.0	24 726.0
Trade, wholesale	30 892.0	31 421.0	34 167.0	34 996.0	36 234.0	40 149.0
Trade, retail	35 262.0	36 065.0	38 145.0	38 385.0	38 608.0	40 612.0
Finance, insurance and real estate	97 577.0	100 979.0	104 074.0	104 912.0	107 453.0	110 203.0
Community, business and personal services	27 782.0	29 288.0	30 782.0	33 460.0	35 750.0	38 818.0
Government services	45 409.0	44 913.0	44 358.0	43 292.0	41 637.0	40 559.0

Source: Statistics Canada.

TABLE 11. CANADA, STAGE I TO STAGE IV, DOMESTIC EXPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1995-97

	Unit of Measure	1995		1996		1997P	
		(000)	(Quantity)	(\$000)	(Quantity)	(\$000)	(Quantity)	($000)
METALS							
Aluminum	..	..	6 793 932	..	6 328 775	..	7 103 948
Antimony	kg	1 667	2 100	1 434	2 332	244	875
Bismuth	kg	204	1 475	141	1 517	135	1 415
Cadmium	kg	2 497	9 803	1 722	8 198	2 622	5 612
Calcium metal	kg	4 410	2 468	4 570	3 655	5 682	4 228
Chromium	kg	4 245	14 077	8 749	29 370	7 845	33 421
Cobalt	kg	4 227	322 047	5 120	385 335	6 325	429 220
Copper	..	..	3 620 517	..	3 028 916	..	2 926 866
Gold	..	..	2 904 428	..	3 547 590	..	3 490 137
Iron and steel	..	..	8 033 052	..	8 232 608	..	8 473 547
Iron ore	t	28 706	919 961	27 920	1 032 860	32 340	1 258 693
Lead	..	..	314 034	..	430 810	..	330 557
Magnesium and magnesium compounds	kg	98 783	197 307	101 974	221 788	106 273	251 672
Molybdenum	kg	9 217	163 402	8 771	71 562	11 265	91 473
Nickel	..	..	2 140 350	..	2 339 044	..	2 118 891
Platinum group	..	..	184 744	..	158 116	..	181 473
Silver	..	..	336 601	..	433 500	..	348 992
Tin	..	..	23 830	..	20 261	..	17 162
Uranium and thorium	..	..	687 317	..	960 516	..	1 002 932
Zinc	kg	..	1 367 965	1 331 509	1 486 297	1 104 582	1 773 294
Other metals	..	..	3 064 488	..	3 515 043	..	4 111 958
Total metals			31 103 898		32 238 093		33 956 366
NONMETALS							
Asbestos	..	..	356 475	..	353 188	..	308 074
Barite and witherite	t	12	4 265	15	5 285	21	5 907
Diamonds	..	..	19 146	..	16 794	..	13 660
Graphite	..	..	121 520	..	132 208	..	131 682
Gypsum	..	..	186 919	..	230 768	..	288 697
Mica	t	17	9 712	17	9 516	15	9 093
Nepheline syenite	t	340	42 309	269	43 919	372	50 506
Peat	..	..	276 462	..	289 132	..	286 622
Potash and potassium compounds	kg	13 813 235	1 765 113	12 961 046	1 546 155	14 645 568	1 753 407
Salt and sodium compounds	t	4 186	526 620	4 959	543 287	4 781	503 071
Sulphur and sulphur compounds	kg	7 814	559 743	7 697	495 545	7 917	454 861
Talc, soapstone and pyrophyllite	kg	26	7 142	26	7 607	26	8 010
Titanium oxides	kg	88 038	200 307	69 781	152 332	79 167	172 711
Other nonmetals	..	..	2 370 472	..	2 549 744	..	2 824 637
Total nonmetals		13 913 668	6 446 205	13 043 810	6 375 480	14 737 867	6 810 938
STRUCTURAL MATERIALS							
Cement	..	..	431 672	..	506 880	..	574 078
Clay and clay products	..	..	36 989	..	41 809	..	44 269
Lime	kg	266 476	30 089	216 849	24 701	224 203	27 200
Sand and gravel	t	1 899	17 377	1 428	11 844	1 799	15 449
Silica and silica compounds	..	..	13 384	..	13 995	..	17 971
Stone	..	..	84 257	..	92 851	..	114 702
Other structural materials	..	..	39 594	..	61 435	..	69 437
Total structural materials			653 362		753 515		863 106
FUELS							
Coal and coke	t	34 489	2 367 020	34 979	2 620 374	36 158	2 735 387
Natural gas	000 m ³	79 022	5 649 076	80 117	7 432 768	82 345	8 565 016
Natural gas by-products	000 m ³	9	875 958	8	1 154 199	8	1 161 499
Petroleum	..	..	14 247 651	..	17 040 149	..	16 965 401
Other fuels	kg	180 429	237 076	193 888	251 406	162 884	254 766
Total fuels			23 376 781		28 498 896		29 682 069
Total mineral domestic exports (including fuels)			61 580 246		67 865 984		71 312 479
Total economy domestic exports			248 440 788		259 265 000		278 869 100

Sources: Natural Resources Canada; Statistics Canada.

.. Not available or not applicable; P Preliminary.

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

TABLE 12. CANADA, STAGE I TO STAGE IV, IMPORTS OF MINERALS AND MINERAL PRODUCTS BY COMMODITY, 1995-97

	Unit of Measure	1995		1996		1997P	
		(000)	(Quantity)	(Quantity)	(000)	(Quantity)	(000)
METALS							
Aluminum	..	..	3 519 825	..	3 373 254	..	3 811 668
Antimony	kg	2 235	13 413	2 515	11 916	2 512	11 007
Bismuth	kg	71	2 801	98	2 102	237	3 043
Cadmium	kg	367	1 373	736	1 502	487	1 340
Calcium metal	kg	44 794	37 410	44 885	35 801	53 747	40 462
Chromium	kg	107 053	97 526	112 877	94 366	104 845	97 578
Cobalt	kg	1 477	74 989	15 172	72 289	1 453	66 761
Copper	..	..	1 954 864	..	1 651 541	..	1 809 157
Gold	..	..	755 502	..	1 077 646	..	1 434 433
Iron and steel	..	..	10 352 358	..	10 238 567	..	12 861 118
Iron ore	t	6 000	264 532	6 911	334 255	7 122	356 472
Lead	..	..	337 792	..	498 419	..	556 102
Magnesium and magnesium compounds	kg	298 257	122 056	391 074	158 304	325 892	204 831
Molybdenum	kg	4 705	73 481	3 686	38 652	3 675	40 406
Nickel	..	..	708 998	..	757 990	..	601 593
Platinum group	g	523 457	223 832	243 738	207 343	266 376	226 140
Silver	..	..	121 977	..	125 567	..	140 788
Tin	..	..	56 357	..	56 635	..	59 389
Uranium and thorium	..	..	170 830	..	248 005	..	219 943
Zinc	..	..	180 271	..	153 792	..	276 929
Other metals	..	..	6 414 186	..	6 693 082	..	8 026 524
Total metals			25 484 373		25 831 028		30 845 684
NONMETALS							
Asbestos	..	..	74 965	..	75 220	..	84 954
Barite and witherite	t	17	1 735	16	1 868	22	2 985
Diamonds	..	..	186 687	..	191 132	..	222 494
Graphite	..	..	307 011	..	335 834	..	368 472
Gypsum	..	..	21 082	..	24 855	..	31 198
Mica	t	4	9 466	4	10 460	4	12 309
Nepheline syenite	..	..	78	..	52	..	12
Peat	..	..	787	..	764	..	1 418
Potash and potassium compounds	kg	..	29 275	..	35 424	..	38 992
Salt and sodium compounds	t	2 097	289 670	2 155	325 149	2 319	319 711
Sulphur and sulphur compounds	kg	105	15 053	110	15 947	152	19 040
Talc, soapstone and pyrophyllite	kg	51	13 648	58	15 283	55	12 995
Titanium oxides	kg	106 322	214 640	84 713	180 046	110 687	230 105
Other nonmetals	..	..	2 981 206	..	3 149 246	..	3 496 452
Total nonmetals			4 145 303		4 361 280	113 239	4 841 137
STRUCTURAL MATERIALS							
Cement	..	..	143 900	..	157 933	..	186 260
Clay and clay products	..	..	689 989	..	669 653	..	762 209
Lime	kg	52 883	6 778	36 640	5 054	47 199	6 351
Sand and gravel	t	1 099	10 553	3 241	16 299	3 193	17 524
Silica and silica compounds	..	..	100 366	..	109 357	..	126 150
Stone	..	..	99 216	..	92 660	..	103 573
Other structural materials	..	..	32 633	..	30 698	..	35 394
Total structural materials			1 083 435		1 081 654		1 237 461
FUELS							
Coal and coke	t	11 225	689 968	12 858	757 333	15 820	873 223
Natural gas	000 m ³	525	45 855	1 923	111 361	949	136 647
Natural gas by-products	000 m ³	1	70 380	..	70 206	..	55 947
Petroleum	..	..	7 846 677	..	9 724 328	..	11 642 864
Other fuels	..	..	350 720	..	306 486	..	345 953
Total fuels			9 003 600		10 969 714		13 054 634
Total mineral imports (including fuels)			39 716 711		42 243 676		49 978 916
Total economy imports			225 629 195		232 648 100		271 496 700

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 13. CANADA, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, EXPORTS BY COMMODITY, BY DESTINATION, 1997^P

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	5 881 938	514 161	381 887	334	325 628	7 103 948
Antimony	875	—	—	—	—	875
Bismuth	1 098	317	—	—	—	1 415
Cadmium	2 056	2 211	779	—	566	5 612
Calcium metal	1 014	2 088	170	355	601	4 228
Chromium	32 430	664	—	—	327	33 421
Cobalt	62 898	114 775	94 754	205	156 588	429 220
Copper	1 973 578	215 413	367 128	10 980	359 767	2 926 866
Gold	2 618 810	150 871	87 885	—	632 571	3 490 137
Iron and steel	7 905 632	129 154	35 367	35 105	368 289	8 473 547
Iron ore	439 434	665 843	22 637	—	130 779	1 258 693
Lead	249 679	34 488	1 861	16	44 513	330 557
Magnesium and magnesium compounds	178 843	37 512	9 540	—	25 777	251 672
Molybdenum	7 985	22 040	56 866	—	4 582	91 473
Nickel	630 948	671 479	104 219	9 567	702 678	2 118 891
Platinum group	89 672	91 037	—	625	139	181 473
Silver	300 858	11 851	23 573	—	12 710	348 992
Tin	16 543	360	98	—	161	17 162
Uranium and thorium	654 389	96 291	44 279	88	207 885	1 002 932
Zinc	1 016 874	499 429	60 036	262	196 693	1 773 294
Other metals	3 337 077	293 729	232 984	8 786	239 382	4 111 958
Total metals	25 402 631	3 553 713	1 524 063	66 323	3 409 636	33 956 366
NONMETALS						
Asbestos	52 260	16 988	53 221	16 513	169 092	308 074
Barite and witherite	5 516	—	—	—	391	5 907
Diamonds	10 813	1 425	—	—	1 422	13 660
Graphite	96 946	15 587	1 150	5 853	12 146	131 682
Gypsum	285 244	1 026	548	—	1 879	288 697
Mica	7 592	193	1 125	—	183	9 093
Nepheline syenite	44 219	1 284	594	119	4 290	50 506
Peat	234 234	20 197	14 843	—	17 348	286 622
Potash and potassium compounds	903 500	47 498	84 296	2 217	715 896	1 753 407
Salt and sodium compounds	464 629	691	7 039	11	30 701	503 071
Sulphur and sulphur compounds	132 133	1 717	—	22 742	298 269	454 861
Talc, soapstone and pyrophyllite	7 988	10	—	—	12	8 010
Titanium oxides	166 256	5 456	—	—	999	172 711
Other nonmetals	2 591 795	86 062	18 929	2 840	125 011	2 824 637
Total nonmetals	5 003 125	198 134	181 745	50 295	1 377 639	6 810 938
STRUCTURAL MATERIALS						
Cement	566 855	3 984	1 504	—	1 735	574 078
Clay and clay products	33 537	5 386	1 687	46	3 613	44 269
Lime	27 200	—	—	—	—	27 200
Sand and gravel	14 109	227	—	—	1 113	15 449
Silica and silica compounds	14 519	186	49	—	3 217	17 971
Stone	95 338	6 440	5 559	—	7 365	114 702
Other structural materials	63 499	664	377	468	4 429	69 437
Total structural materials	815 057	16 877	9 176	514	21 472	863 106
FUELS						
Coal and coke	184 763	374 735	1 418 368	26 740	730 781	2 735 387
Natural gas	8 565 016	—	—	—	—	8 565 016
Natural gas by-products	1 161 499	—	—	—	—	1 161 499
Petroleum	16 438 528	70 000	38 481	7 704	410 688	16 965 401
Other fuels	215 923	9 404	6 345	122	22 972	254 766
Total fuels	26 565 729	454 139	1 463 194	34 566	1 164 441	29 682 069
Total domestic mineral exports	57 786 542	4 222 873	3 178 178	151 698	5 973 188	71 312 479

Sources: Natural Resources Canada; Statistics Canada.

— Nil; ^P Preliminary.

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

TABLE 14. CANADA, STAGE I TO STAGE IV, VALUE OF MINERALS AND MINERAL PRODUCTS, IMPORTS BY COMMODITY, BY ORIGIN, 1997P

	United States	EU	Japan	Mexico	Other	Total
	(\$000)					
METALS						
Aluminum	2 794 887	204 948	15 476	3 267	793 030	3 811 668
Antimony	6 793	3 024	1	–	1 189	11 007
Bismuth	2 642	75	–	38	288	3 043
Cadmium	669	618	2	2	49	1 340
Calcium metal	30 115	4 258	3	–	6 086	40 462
Chromium	37 333	6 606	830	1 863	50 946	97 578
Cobalt	18 777	4 475	38	58	43 413	66 761
Copper	1 437 436	131 766	8 135	8 472	223 348	1 809 157
Gold	1 027 492	109 023	163	679	297 076	1 434 433
Iron and steel	9 201 548	1 368 751	514 066	319 034	1 457 719	12 861 118
Iron ore	318 879	43	5	3 118	34 427	356 472
Lead	479 748	13 319	11 801	11 954	39 280	556 102
Magnesium and magnesium compounds	96 583	12 820	569	357	94 502	204 831
Molybdenum	25 788	3 589	24	2 824	8 181	40 406
Nickel	167 084	49 414	47 805	9 589	327 692	601 593
Platinum group	65 837	23 618	88	339	136 258	226 140
Silver	75 774	10 330	821	6 507	47 356	140 788
Tin	34 787	3 656	71	563	20 312	59 389
Uranium and thorium	50 030	8 197	...	–	161 716	219 943
Zinc	238 889	10 297	113	5 954	21 676	276 929
Other metals	5 492 952	652 352	154 217	687 550	1 039 453	8 026 524
Total metals	21 604 043	2 621 179	754 228	1 062 177	4 804 057	30 845 684
NONMETALS						
Asbestos	73 715	2 771	2 812	2 425	3 231	84 954
Barite and witherite	2 430	343	–	–	212	2 985
Diamonds	50 428	69 952	65	–	102 049	222 494
Graphite	279 352	38 554	23 073	1 575	25 918	368 472
Gypsum	26 501	1 026	40	2 200	1 431	31 198
Mica	9 040	2 539	157	–	573	12 309
Nepheline syenite	1	–	–	–	11	12
Peat	311	843	–	1	263	1 418
Potash and potassium compounds	33 736	1 466	20	15	3 755	38 992
Salt and sodium compounds	279 772	28 850	510	5 525	5 054	319 711
Sulphur and sulphur compounds	18 090	821	13	–	116	19 040
Talc, soapstone and pyrophyllite	12 753	63	46	–	133	12 995
Titanium oxides	136 935	78 571	1 188	–	13 411	230 105
Other nonmetals	2 722 983	327 188	75 581	76 174	294 526	3 496 452
Total nonmetals	3 646 047	552 987	103 505	87 915	450 683	4 841 137
STRUCTURAL MATERIALS						
Cement	168 142	9 345	543	3 512	4 718	186 260
Clay and clay products	331 483	213 810	22 497	26 787	167 632	762 209
Lime	6 317	28	–	–	6	6 351
Sand and gravel	17 379	38	–	8	99	17 524
Silica and silica compounds	104 664	16 579	1 181	185	3 541	126 150
Stone	45 768	32 415	11	1 388	23 991	103 573
Other structural materials	28 228	3 811	130	352	2 873	35 394
Total structural materials	701 981	276 026	24 362	32 232	202 860	1 237 461
FUELS						
Coal and coke	830 032	5 070	3 974	86	34 061	873 223
Natural gas	136 638	7	1	–	1	136 647
Natural gas by-products	54 584	752	52	...	559	55 947
Petroleum	2 759 238	2 208 376	4 216	267 241	6 403 793	11 642 864
Other fuels	319 839	23 340	979	1 253	542	345 953
Total fuels	4 100 331	2 237 545	9 222	268 580	6 438 956	13 054 634
Total mineral imports	30 052 402	5 687 737	891 317	1 450 904	11 896 556	49 978 916

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 15. CANADA, APPARENT CONSUMPTION¹ OF SOME MINERALS AND RELATION TO PRODUCTION,² 1994-96

	1994			1995			1996		
	Apparent Consumption	Production	Consumption as a Percentage of Production	Apparent Consumption	Production	Consumption as a Percentage of Production	Apparent Consumption	Production	Consumption as a Percentage of Production
	(tonnes)	(tonnes)	(%)	(tonnes)	(tonnes)	(%)	(tonnes)	(tonnes)	(%)
Quartz silica	3 130 771	2 053 794	152.4	3 013 201 ^r	1 872 731 ^r	160.9	1 923 159	1 666 011	115.4
Lime ³	2 322 007	2 449 023	94.8	2 248 125	2 461 716 ^r	91.3	2 221 823	2 402 032	92.5
Salt	9 545 344	12 243 887	78.0	9 265 572	10 957 384	84.6	9 569 311	12 248 477	78.1
Cement ⁴	6 796 654	10 584 414	64.2	6 183 562	10 440 329	59.2	6 864 706	11 587 365	59.2
Iron ore	11 672 199	36 416 388	32.1	13 890 447	36 627 937	37.9	13 353 341	34 399 968	38.8
Gypsum	2 936 887	8 587 303	34.2	2 666 640	8 054 741	33.1	2 922 971	8 201 774	35.6
Potash (K ₂ O)	599 482	8 517 206	7.0	452 561	8 854 690	5.1	257 042	8 120 389	3.2
Asbestos	464	530 857	0.1	6 275	515 553	1.2	2 622	506 276	0.5

Sources: Natural Resources Canada; Statistics Canada.

^r Revised.¹ "Apparent consumption" is production plus imports, less exports. ² "Production" refers to producers' shipments. ³ Apparent consumption contains slaked lime in the trade data. ⁴ Apparent consumption contains clinker cement in the trade data.

TABLE 16. CANADA, REPORTED CONSUMPTION OF MINERALS AND RELATION TO PRODUCTION, 1994-96

Unit of Measure	1994			1995			1996			
	Consumption	Production	Consumption as a Percentage of Production	Consumption	Production	Consumption as a Percentage of Production	Consumption	Production	Consumption as a Percentage of Production	
			(%)			(%)			(%)	
METALS										
Aluminum ¹	t	635 024 ^r	2 254 683	28.2 ^r	635 402 ^r	2 171 992	29.3 ^r	686 969	2 283 212	30.1
Antimony	kg	1 084 863	540 051	200.9	988 338	574 448	172.1	688 800	1 380 169	49.9
Bismuth	kg	173 744	129 371	134.3	205 813	158 641	129.7	116 111	149 839	77.5
Cadmium	kg	83 201	1 499 996	5.5	93 440	1 686 439	5.5	99 323	1 540 072	6.4
Chromium (chromite)	t	9 843	-	..	21 951	-	..	17 466	-	..
Cobalt	kg	192 618	1 846 447	10.4	148 331	2 016 484	7.4	147 350	2 150 339	6.9
Copper ²	t	199 349	590 784	33.7	189 686	700 843	27.1	218 280	652 499	33.5
Lead ³	t	95 764 ^r	167 584	57.1 ^r	91 171 ^r	204 227	44.6	93 373	241 751	38.6
Magnesium	t	23 563	x	x	27 140 ^r	x	x	27 576	x	x
Manganese ore	t	6 706	-	..	9 061	-	..	9 747	-	..
Mercury	kg	6 376	-	..	2 985	-	..	6 327	-	..
Molybdenum (Mo content)	t	2 011	9 759	20.6	1 998	9 113	21.9	2 143	8 789	24.4
Nickel	t	20 746 ^r	141 974	14.6 ^r	20 973 ^r	172 107	12.2 ^r	24 504	182 404	13.4
Selenium	kg	17 218	566 404	3.0	15 046	561 307	2.7	15 815	693 666	2.3
Silver	kg	420 427	740 342	56.8	425 893 ^r	1 244 606	34.2 ^r	408 894	1 242 846	32.9
Tellurium	kg	x	41 669	x	x	102 268	x	x	58 700	x
Tin	t	3 142	-	..	3 044	-	..	2 796	-	..
Tungsten (W content)	kg	412 017	-	..	376 840	-	..	397 770	-	..
Zinc ³	t	124 890	976 309	12.8	133 357 ^r	1 094 703	12.2 ^r	137 460	1 162 720	11.8
NONMETALS										
Barite	t	13 737 ^r	64 701	21.2	17 118	60 662	28.2	14 399	57 967	24.8
Feldspar	t	1 955	-	..	1 492	-	..	1 504	-	..
Fluorspar	t	14 978	-	..	16 570	-	..	23 814	-	..
Mica	t	3 040	x	x	2 828	x	x	3 211	x	x
Nepheline syenite	t	67 426	602 033	11.2	68 704	616 693	11.1	76 577	606 439	12.6
Phosphate rock	t	1 256 582	-	..	1 202 533	-	..	x	-	..
Potash (K ₂ O)	t	251 081	8 517 206	2.9	210 332	8 854 690	2.4	216 349	8 120 389	2.7
Sodium sulphate	t	130 845	316 597	41.3	121 717	314 770	38.7	113 985	323 326	35.3
Sulphur	t	858 142 ^r	8 705 408	9.9 ^r	905 021	8 732 737	10.4	757 705	9 116 366	8.3
Talc, etc.	t	68 753	126 014	54.6	98 877	108 327	91.3	91 498	77 016	118.8
MINERAL FUELS										
Coal	000 t	52 349	72 824	71.9	52 771	74 920	70.4	53 509	75 860	70.5
Crude oil ⁴	000 m ³	89 538	110 452	81.1	87 663	114 372	76.6	92 687	117 621	78.8
Natural gas ⁵	million m ³	51 837	138 856	37.3	52 078	148 203	35.1	54 674	153 578	35.6

Sources: Natural Resources Canada; Statistics Canada.

- Nil; .. Not available; ^r Revised; x Confidential.¹ Consumption of primary aluminum ingot and alloys, and secondary ingot and scrap, reported by consumers. ² Consumption defined as domestic shipments of refined copper plus imports of refined copper. ³ Consumption of primary and secondary refined metal. ⁴ Consumption defined as refinery receipts. ⁵ Consumption defined as domestic sales.

Notes: Unless otherwise stated, consumption refers to reported consumption of refined metals or nonmetallic minerals by consumers. 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 17. CANADA, DOMESTIC CONSUMPTION OF PRINCIPAL REFINED METALS IN RELATION TO REFINERY PRODUCTION,¹ 1990-96

	Unit of Measure	1990	1991	1992	1993	1994	1995	1996 ^p
ALUMINUM								
Domestic consumption ²	t	453 257	446 239	481 089	568 854	635 024 ^r	635 402 ^r	686 969
Production	t	1 567 395	1 821 642	1 971 843	2 308 867	2 254 683	2 171 992	2 283 212
Consumption as a percentage of production	%	28.9	24.5	24.4	24.6	28.2 ^r	29.3 ^r	30.1
COPPER								
Domestic consumption ³	t	180 605	159 170	156 132	185 565	199 349	189 686	218 280
Production	t	515 835	538 339	539 302	561 580	549 869	572 616	559 200
Consumption as a percentage of production	%	35.0	29.6	29.0	33.0	36.3	33.1	39.0
LEAD								
Domestic consumption ⁴	t	72 203	80 253	92 420	91 915	95 764 ^r	91 171 ^r	93 373
Production ⁵	t	183 645	212 366	252 885	217 014	251 640	281 391	310 791
Consumption as a percentage of production	%	39.3	37.8	36.5	42.4	38.1 ^r	32.4 ^r	30.0
ZINC								
Domestic consumption ⁴	t	121 502	104 902	114 725	112 432	124 890	133 357 ^r	137 460
Production	t	591 786	660 552	671 702	659 881	690 965	720 346	716 467
Consumption as a percentage of production	%	20.5	15.9	17.1	17.0	18.1	18.5	19.2

Source: Natural Resources Canada.

^p Preliminary; ^r Revised.

¹ Production of refined metal from all sources, including metal derived from secondary materials at primary refineries. ² Consumption of primary aluminum ingot and alloys, and secondary ingot and scrap, reported by consumers. ³ Consumption defined as domestic shipments of refined copper plus imports of refined copper. ⁴ Consumption of primary and secondary refined metal, reported by consumers. ⁵ Production of primary and secondary refined lead.

TABLE 18. AVERAGE ANNUAL PRICES¹ OF SELECTED METALS, 1991-97

	Unit	1991	1992	1993	1994	1995	1996	1997
Aluminum, London Metal Exchange	¢/lb	59.066	56.893	51.639	66.986	81.903	68.296	72.544
Antimony, New York dealer	\$/lb	0.828	0.791	0.769	1.777	2.278	1.466	0.996
Bismuth, New York dealer	\$/lb	2.969	2.506	2.350	3.070	3.781	3.546	3.275
Cadmium, New York dealer	\$/lb	1.974	0.907	0.451	1.144	1.839	1.238	0.513
Cobalt, metal, shot/cathode/250 kg	\$/lb	11.000	24.300	18.000	19.900	27.069	27.500	27.500
Copper, electrolytic cathode, COMEX	¢/lb	108.211	102.721	85.283	107.052	134.717	105.872	103.580
Gold, London ²	\$/troy oz	362.183	343.731	359.769	384.009	384.162	387.696	331.096
Iridium, New York dealer	\$/troy oz	281.354	155.167	45.667	30.000	30.000	46.188	171.125
Lead, London Metal Exchange cash	¢/lb	25.269	24.534	18.417	24.829	28.600 ^r	35.019	28.292
Magnesium, U.S. primary ingot (Producer Price List)	\$/lb	1.430	1.438	1.530	1.538	1.805	1.930	1.800
Manganese, U.S. metal, regular	¢/lb	104.000	104.000	104.000	104.000	109.250	115.000	115.000
Molybdenum, dealer, oxide	\$/lb	2.349	2.197	2.279	4.501	7.412	3.606	4.175
Nickel, New York dealer, cathode	\$/lb	3.796	3.177	2.428	2.919	3.901	3.501	3.221
Osmium, New York dealer	\$/troy oz	400.000	400.000	400.000	400.000	399.375	392.458	391.000
Palladium, London PM fix	\$/troy oz	88.290	88.228	122.348	142.631	151.229	128.079	177.951
Platinum, London PM fix	\$/troy oz	376.083	359.799	374.027	404.998	424.346	397.171	395.210
Rhodium, New York dealer	\$/troy oz	3 739.126	2 365.102	1 066.111	712.678	424.145	280.721	268.458
Ruthenium, New York dealer	\$/troy oz	55.233	28.538	12.996	13.604	21.827	34.921	32.896
Selenium, New York dealer	\$/lb	5.241	4.947	4.900	4.900	4.897	3.423	2.791
Silver, Handy & Harman, Toronto	\$/troy oz	4.039	3.936	4.300	5.284	5.192	5.183	4.892
Tantalum, tantalite ore, spot	\$/lb	28.538	27.365	25.850	25.500	26.260	27.000	27.000
Tin, New York dealer	\$/lb	2.588	2.822	2.392	2.549	2.945	2.890	2.644
Tungsten, U.S. spot ore	\$/stu	53.417	49.325	34.800	36.750	56.402	55.000	53.333
Uranium, U ₃ O ₈	\$/lb	21.000	19.000	15.000	14.000	13.000	15.100 ^r	14.200
Zinc, special high grade	¢/lb	50.647	56.235	43.635	45.255	53.235	51.109	59.697

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 19. CANADIAN AVERAGE ANNUAL PRICES OF SELECTED METALS, 1991-97

	Unit	1991	1992	1993	1994	1995	1996	1997
Aluminum, London Metal Exchange	\$/kg	1.492	1.516	1.469	2.017	2.478	2.054	2.215
Antimony, New York dealer	\$/kg	2.092	2.107	2.187	5.350	6.893	4.408	3.042
Bismuth, New York dealer	\$/kg	7.500	6.676	6.684	9.243	11.441	10.663	10.000
Cadmium, New York dealer	\$/kg	4.986	2.416	1.283	3.444	5.565	3.723	1.566
Cobalt, metal, shot/cathode/250 kg	\$/kg	27.787	64.731	51.195	59.916	81.906	82.695	83.968
Copper, electrolytic cathode, COMEX	\$/kg	2.733	2.736	2.426	3.223	4.076	3.184	3.163
Gold, London ¹	\$/g	13.342	13.353	14.922	16.861	16.952	17.002	14.743
Iridium, New York dealer	\$/g	10.365	6.028	1.894	1.317	1.324	2.026	7.620
Lead, London Metal Exchange, cash	¢/kg	55.709	54.088	40.602	54.739	63.052	77.204	62.373
Magnesium, U.S. primary ingot (Producer Price List)	\$/kg	3.612	3.831	4.352	4.631	5.462	5.804	5.496
Manganese, U.S. metal, regular	\$/kg	2.627	2.770	2.958	3.131	3.306	3.458	3.511
Molybdenum, dealer, oxide	\$/kg	5.934	5.852	6.482	13.552	22.428	10.844	12.748
Nickel, New York dealer, cathode	\$/kg	9.589	8.463	6.906	8.789	11.804	10.528	9.835
Osmium, New York dealer	\$/g	14.735	15.539	16.591	17.563	17.623	17.211	17.411
Palladium, London PM fix	\$/g	3.252	3.427	5.075	6.263	6.673	5.617	7.924
Platinum, London PM fix	\$/g	13.854	13.977	15.514	17.783	18.725	17.417	17.598
Rhodium, New York dealer	\$/g	137.743	91.879	44.220	31.292	18.716	12.311	11.954
Ruthenium, New York dealer	\$/g	2.035	1.109	0.539	0.597	0.963	1.531	1.465
Selenium, New York dealer	\$/kg	13.239	13.178	13.936	14.753	14.818	10.293	8.522
Silver, Handy & Harman, Toronto	\$/kg	148.790	152.905	178.354	232.011	229.107	227.293	217.835
Tantalum, tantalite ore, spot	\$/kg	72.089	72.896	73.522	76.777	79.459	81.192	82.442
Tin, New York dealer	\$/kg	6.537	7.517	6.803	7.675	8.911	8.690	8.075
Tungsten, U.S. spot ore	\$/mtu	60.239	58.658	44.186	49.397	76.189	73.835	72.700
Uranium, U	\$/kg	61.000	59.000	50.000	51.000	47.000	53.600 ^r	51.300
Zinc, special high grade	\$/kg	1.279	1.498	1.241	1.363	1.611	1.537	1.823

Sources: Natural Resources Canada; *Metals Week*.
 COMEX: Commodities Exchange, Inc.
^r Revised; mtu metric tonne unit.
¹ Average afternoon fixings of London bullion dealers.

TABLE 20. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY,¹ 1995

	Establish- ments	Mining Activity						Total Activity ²			
		Production and Related Workers			Costs			Employees	Salaries and Wages	Value Added	
		Employees	Person- Hours Paid	Wages	Fuel and Electricity	Materials and Supplies	Value of Production				Value Added
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
METALS											
Gold	50	7 492	16 526	422 911	147 718	587 533	2 374 782	1 639 531	9 849	559 609	1 654 982
Silver-lead-zinc	6	1 980	4 490	103 707	47 047	580 718	1 088 439	460 674	2 898	161 445	458 582
Uranium	4	1 199	2 451	60 963	44 393	95 073	538 859	399 392	1 530	85 360	402 690
Iron	5	3 613	8 036	252 019	166 897	409 243	1 299 151	723 012	4 852	347 348	736 977
Nickel-copper-zinc	23	11 356	24 142	629 226	223 314	2 062 169	6 024 210	3 738 726	15 059	859 616	3 739 089
Miscellaneous metal mines ³	5	704	1 497	31 314	16 277	55 008	296 462	225 177	994	45 748	228 487
Total	93	26 344	57 141	1 500 141	645 646	3 789 745	11 621 903	7 186 513	35 182	2 059 125	7 220 808
INDUSTRIAL MINERALS											
Asbestos	2	x	x	x	x	x	x	x	x	x	x
Peat	64	1 611	3 534	36 086	8 445	37 499	201 708	155 764	1 951	45 695	158 093
Gypsum	9	586	1 240	22 292	6 651	18 710	88 046	62 686	689	27 262	62 452
Potash	11	2 692	6 045	157 102	126 655	144 776	1 462 908	1 191 476	3 573	214 487	1 189 096
Miscellaneous nonmetals ⁴	29	x	x	x	x	x	x	x	x	x	x
Stone	156	2 243	5 072	87 687	36 123	100 138	473 264	337 003	2 981	119 770	338 417
Sand and gravel	332	2 863	6 507	102 519	47 759	118 333	510 509	344 417	3 679	131 798	356 827
Total	603	12 961	29 130	536 503	284 707	529 035	3 363 683	2 549 941	16 948	725 318	2 568 687
MINERAL FUELS											
Coal	34	7 413	15 718	384 132	129 420	423 088	1 785 006	1 232 498	9 010	474 731	1 259 006
Total mineral industry	730	46 718	101 989	2 420 776	1 059 773	4 741 868	16 770 592	10 968 951	61 140	3 259 174	11 048 501

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

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

³ Includes molybdenum. ⁴ Includes salt.

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

TABLE 21. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES, 1995

	Mineral Manufacturing Activity								Total Activity ¹		
	Establish- ments	Production and Related Workers			Costs			Value Added	Employees	Salaries and Wages	Value Added
		Employees	Person- Hours Paid	Wages	Fuel and Electricity	Materials and Supplies	Value of Shipments				
(number)	(number)	(000)	(\$ millions)	(\$ millions)	(\$ millions)	(\$ millions)	(\$ millions)	(number)	(\$ millions)	(\$ millions)	
PRIMARY METAL INDUSTRIES											
Smelting and refining	39	19 233	41 816	987.3	869.7	2 958.9	7 687.6	3 839.4	25 763	1 382.5	4 292.7
Primary steel	60	25 816	60 496	1 335.6	646.7	5 833.2	10 619.7	4 422.8	32 844	1 756.7	4 387.4
Wire and wire products industries ²	254	10 421	21 382	332.7	47.7	1 089.4	2 089.3	984.3	13 249	462.0	1 013.4
Steel pipe and tube	56	4 567	9 654	189.6	26.5	1 355.6	1 955.8	620.1	5 675	258.0	630.6
Iron foundries	69	6 724	15 260	276.8	73.7	427.4	1 136.1	669.4	7 736	335.5	675.6
Aluminum rolling, casting and extruding	69	4 611	10 285	188.2	39.9	1 937.8	2 639.5	639.5	5 713	251.6	638.3
Metal rolling, casting and extruding n.e.s.	93	5 269	11 550	199.8	31.7	632.4	1 213.9	558.9	6 043	246.2	552.3
Copper and alloy rolling, casting and extruding	29	1 737	3 754	67.6	15.1	415.0	609.2	175.8	2 023	80.8	175.9
Total	669	78 378	174 197	3 577.6	1 751.0	14 649.7	27 951.1	11 910.2	99 046	4 773.3	12 366.2
NONMETALLIC MINERAL PRODUCTS INDUSTRIES											
Ready-mix concrete	671	8 021	16 665	268.7	63.6	952.1	1 613.6	599.5	10 233	355.7	612.5
Cement	18	1 812	3 890	90.2	166.0	193.6	919.5	585.2	2 784	149.1	587.6
Glass products	136	4 350	9 220	133.2	19.8	371.1	777.5	390.0	5 159	171.3	397.4
Primary glass and glass containers	25	3 476	7 774	136.8	64.9	193.8	744.1	499.4	4 383	181.3	501.1
Mineral insulating products	30	1 482	3 072	54.6	29.4	131.2	409.7	255.0	2 104	87.1	316.1
Other concrete products	256	3 334	6 840	91.0	15.7	184.0	473.2	282.2	4 446	137.8	292.9
Structural concrete products	60	1 807	3 785	60.8	4.7	95.2	273.0	174.0	2 218	82.5	173.6
Other nonmetallic mineral products	145	1 925	3 906	55.8	10.5	100.9	275.2	166.8	2 542	79.4	181.1
Refractory products	30	1 606	3 249	51.5	10.2	128.8	301.8	171.7	2 100	73.8	185.0
Gypsum products	33	1 348	2 930	54.4	28.9	232.0	440.1	180.2	1 891	83.1	184.1
Concrete pipe	39	1 039	2 221	33.4	5.8	70.4	204.9	129.1	1 336	46.5	132.3
Lime	13	611	1 344	27.8	43.4	38.6	198.4	116.3	793	36.9	116.7
Abrasives	30	1 212	2 542	36.4	32.1	113.7	300.1	156.2	1 451	49.0	161.2
Clay products (domestic)	18	530	1 095	16.9	12.5	15.3	91.3	64.5	893	36.1	64.0
Clay products (imported)	33	718	1 506	21.7	4.3	24.6	83.7	55.5	869	27.4	54.5
Asbestos products industry	6	183	389	4.2	0.6	13.5	31.1	17.0	290	9.8	20.1
Total	1 543	33 634	70 428	1 137.4	512.4	2 858.8	7 137.2	3 842.6	43 492	1 606.8	3 980.2
FABRICATED METAL PRODUCTS INDUSTRIES											
Stamped and pressed metal products industries	867	26 739	55 741	804.2	102.6	2 861.2	4 977.3	2 048.9	31 562	1 034.9	2 066.6
Fabricated structural metal products industries	431	13 843	28 989	474.2	30.4	1 275.1	2 529.4	1 262.0	17 706	645.8	1 274.8
Hardware, tool and cutlery industry	731	19 416	41 797	686.9	34.2	827.5	2 456.5	1 602.0	22 704	873.9	1 649.6
Other metal fabricating industries	516	13 436	28 098	403.3	42.0	1 224.9	2 347.6	1 117.5	17 258	587.9	1 171.7
Machine shop industry	1 413	20 697	42 856	633.0	35.4	797.0	2 295.0	1 474.2	24 691	817.3	1 494.3
Ornamental and architectural metal products industries	648	10 765	22 458	287.1	20.4	998.5	1 838.2	836.2	14 501	440.3	859.5
Power boiler and heat exchanger industry	37	2 816	6 050	92.1	6.3	417.7	1 030.2	633.6	5 012	200.6	629.7
Heating equipment industry	123	4 035	8 377	101.6	8.9	322.8	663.2	360.7	5 280	154.2	367.9
Total	4 766	111 747	234 365	3 482.4	280.2	8 724.7	18 137.4	9 355.1	138 714	4 754.9	9 514.1
PETROLEUM AND COAL PRODUCTS INDUSTRIES											
Petroleum refining products	31	4 468	9 107	267.2	293.2	14 263.1	17 024.9	2 451.3	9 329	583.8	2 464.7
Lubricating oils and greases	33	938	2 032	39.2	9.3	382.1	656.9	261.0	1 569	69.6	276.3
Other petroleum and coal products	109	1 020	2 201	33.9	16.0	234.5	385.0	135.9	1 444	53.1	164.5
Total	173	6 426	13 250	340.3	318.5	14 879.7	18 066.8	2 848.2	12 342	706.5	2 905.5
Total mineral manu- facturing industries	7 151	230 185	492 240	8 537.7	2 862.1	41 112.9	71 292.5	27 936.1	293 594	11 841.5	28 766.0

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

n.e.s. Not elsewhere specified.

¹ Total activity includes sales and head offices. ² Wire and wire products have been included in the primary metal industries group.

TABLE 22. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY¹ BY REGION, 1995

	Mines, Quarries and Oil Wells Activity								Total Activity ²		
	Production and Related Workers				Costs				Employees	Salaries and Wages	Value Added
	Establish-ments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies	Value of Production	Value Added			
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
Atlantic provinces ³	81	6 659	14 210	323 712	135 620	646 116	1 897 250	1 115 514	8 284	406 689	1 115 338
Quebec	214	8 924	19 906	454 385	225 450	827 899	2 748 638	1 695 289	12 930	681 254	1 753 981
Ontario	215	12 419	27 382	641 876	208 658	1 390 987	5 005 474	3 405 829	16 168	857 266	3 390 247
Prairie provinces	149	9 817	20 824	496 818	242 617	747 107	3 573 568	2 583 844	12 336	658 575	2 613 236
British Columbia ⁴	62	7 426	16 267	411 640	205 003	931 162	2 963 228	1 827 063	9 153	518 236	1 830 123
Yukon and Northwest Territories ⁵	9	1 473	3 400	92 347	42 424	198 598	582 436	341 414	2 269	137 154	345 578
Total Canada	730	46 718	101 989	2 420 778	1 059 772	4 741 869	16 770 594	10 968 953	61 140	3 259 174	11 048 503

Sources: Natural Resources Canada; Statistics Canada.

¹ Cement manufacturing, lime manufacturing, clay and clay products (domestic clays) are included in the mineral manufacturing industry. ² Total activity includes sales and head offices.³ Includes eastern Canada offshore. ⁴ Includes western Canada offshore. ⁵ Includes Arctic Islands.

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

TABLE 23. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES BY REGION, 1995

	Mineral Manufacturing Activity								Total Activity ¹		
	Production and Related Workers				Costs				Employees	Salaries and Wages	Value Added
	Establish-ments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies	Value of Shipments	Value Added			
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
PRIMARY METAL INDUSTRIES²											
Atlantic provinces	8	x	x	x	x	x	x	x	x	x	
Quebec	109	19 147	42 351	914.4	826.4	4 094.8	8 830.8	3 949.3	24 898	1 243.3	
Ontario	200	39 396	90 407	1 897.0	698.5	7 682.5	13 807.8	5 731.9	48 913	2 474.9	
Prairie provinces	51	x	x	x	x	x	x	x	x	x	
British Columbia	47	3 710	7 989	179.8	22.1	463.4	1 038.3	563.3	4 974	254.8	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	
Total Canada	415	67 957	152 815	3 244.9	1 703.4	13 560.4	25 861.8	10 926.0	85 797	4 311.3	
NONMETALLIC MINERAL PRODUCTS INDUSTRIES											
Atlantic provinces	118	1 681	3 413	46.8	22.7	123.3	286.4	142.8	2 211	65.7	
Quebec	398	8 317	16 996	256.3	123.3	607.1	1 604.5	888.9	11 091	380.3	
Ontario	527	15 541	33 399	553.7	255.9	1 326.6	3 354.9	1 813.7	19 988	773.4	
Prairie provinces	286	4 163	8 782	135.2	60.6	392.6	997.7	552.7	5 395	194.4	
British Columbia	214	3 932	7 839	145.3	50.0	409.1	893.7	444.4	4 807	192.9	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	
Total Canada	1 543	33 634	70 428	1 137.4	512.6	2 858.7	7 137.2	3 842.6	43 492	1 606.8	
FABRICATED METAL PRODUCTS INDUSTRIES²											
Atlantic provinces	161	3 209	6 434	86.3	6.0	216.7	439.0	224.9	4 264	118.7	
Quebec	1 290	24 664	50 158	711.8	72.4	2 106.8	4 237.4	2 093.6	33 124	1 033.3	
Ontario	2 385	71 642	152 064	2 302.3	199.3	5 649.2	11 871.2	6 193.5	85 886	3 071.1	
Prairie provinces	637	13 829	28 941	411.4	30.3	1 047.7	2 124.6	1 059.1	17 443	576.6	
British Columbia	547	8 824	18 151	303.2	19.9	793.7	1 554.3	748.3	11 246	417.1	
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	
Total Canada	5 020	122 168	255 747	3 815.0	327.9	9 814.1	20 226.6	10 319.4	151 963	5 216.9	
PETROLEUM AND COAL PRODUCTS INDUSTRIES											
Atlantic provinces	11	x	x	x	x	x	x	x	x	x	
Quebec	36	1 181	2 367	63.5	68.1	2 803.9	3 449.0	570.4	1 904	102.8	
Ontario	74	2 582	5 476	135.9	121.2	4 560.4	5 769.8	1 038.5	5 493	331.9	
Prairie provinces	39	x	x	x	x	x	x	x	x	x	
British Columbia	12	456	945	23.8	12.6	1 155.0	1 626.7	463.7	801	47.0	
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	x	x	
Total Canada	173	6 426	13 250	340.2	318.5	14 879.6	18 066.7	2 848.2	12 342	706.5	
TOTAL MINERAL MANUFACTURING INDUSTRIES											
Atlantic provinces	298	x	x	x	x	x	x	x	x	x	
Quebec	1 833	53 309	111 873	1 946	1 090.2	9 612.6	18 121.7	7 502.2	71 017	2 759.7	
Ontario	3 186	129 161	281 346	4 888.9	1 274.9	19 218.7	34 803.7	14 822.6	160 280	6 651.3	
Prairie provinces	1 013	17 992	37 723	546.6	90.9	1 440.3	3 122.3	1 611.8	22 838	771	
British Columbia	820	16 922	34 924	652.1	104.6	2 821.2	5 113	2 219.7	21 828	911.8	
Yukon and Northwest Territories	1	x	x	x	x	x	x	x	x	x	
Total Canada	7 151	230 185	492 240	8 537.7	2 862.1	41 112.9	71 292.5	27 936.1	293 594	11 841.5	

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

- Nil; x Confidential.

¹ Total activity includes sales and head offices. ² Wire and wire products have been included in the primary metal industries group.

TABLE 24. CANADA, PRINCIPAL STATISTICS OF THE MINERAL INDUSTRY,¹ 1982-95

	Mines, Quarries and Oil Wells Activity								Total Activity ²		
	Production and Related Workers			Costs			Value of Production	Value Added			
	Establish-ments	Employees	Person-Hours Paid	Wages	Fuel and Electricity	Materials and Supplies			Employees	Salaries and Wages	Value Added
(number)	(number)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(number)	(\$000)	(\$000)	
1982	490	66 610	125 432	1 765 743	803 031	3 250 826	9 580 998	5 527 141	91 787	2 598 170	5 527 700
1983	481	58 469	114 700	1 684 907	826 427	3 158 440	9 841 152	5 856 285	80 413	2 446 855	5 840 910
1984	472	61 150	123 628	1 987 010	971 932	3 569 181	12 053 167	7 512 054	81 846	2 767 611	7 537 288
1985	472	58 347	121 709	2 009 484	1 005 557	3 605 813	11 664 215	7 052 845	77 663	2 771 242	7 066 445
1986	505	55 542	117 173	2 004 975	951 854	3 655 623	11 734 946	7 127 469	74 497	2 784 083	7 172 484
1987	538	55 776	120 946	2 079 717	938 764	3 896 427	13 729 648	8 894 456	73 821	2 850 388	8 960 120
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	44 208	96 300	2 228 567	970 304	3 938 223	13 872 653	8 964 126	58 320	3 020 618	9 059 983
1995	730	46 718	101 989	2 420 776	1 059 773	4 741 868	16 770 592	10 968 951	61 140	3 259 174	11 048 501

Source: Natural Resources Canada.

¹ Cement manufacturing, lime manufacturing, clay and clay products (domestic clay) 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 25. CANADA, PRINCIPAL STATISTICS OF THE MINERAL MANUFACTURING INDUSTRIES,¹ 1982-95

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

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 26. CANADA, CONSUMPTION OF FUEL AND ELECTRICITY IN THE MINERAL INDUSTRY,¹ 1995

	Unit	Metals	Nonmetals	Structural Materials	Total
Coal	000 t	48	–	–	48
	\$000	2 169	–	–	2 169
Gasoline	000 litres	16 220	4 401	14 270	34 891
	\$000	7 451	2 137	7 027	16 615
Fuel oil, kerosene, diesel oil	000 litres	727 530	137 123	117 765	982 418
	\$000	164 800	32 037	48 627	245 464
Liquefied petroleum gas	000 litres	124 954	12 894	5 075	142 923
	\$000	23 045	2 370	743	26 158
Natural gas	000 m ³	110 547	751 805	15 520	877 872
	\$000	12 004	52 513	2 005	66 522
Other fuels ²	\$000	27 908	2 091	206	30 205
Total value of fuels	\$000	237 376	91 148	58 608	387 133
Electricity purchased	million kWh	11 527	2 363	–	13 890
	\$000	408 270	109 676	25 273	543 219
Total value of fuels and electricity purchased, all reporting companies	\$000	645 646	200 824	83 881	930 352

Sources: Natural Resources Canada; Statistics Canada.

– Nil.

¹ Cement manufacturing, lime manufacturing, clay and clay products (domestic clays) are included in the mineral manufacturing industry. ² Includes wood, manufactured gas, steam purchased, and other miscellaneous fuels.

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

TABLE 27. CANADA, COST OF FUEL AND ELECTRICITY USED IN THE NON-FUEL MINERAL INDUSTRY,¹ 1991-95

	Unit	1991	1992	1993	1994	1995
METALS						
Fuel	\$000	263 207	212 634	194 325	207 602	237 376
Electricity purchased	million kWh	12 390	11 347	10 743	10 705	11 527
	\$000	404 491	399 545	379 974	368 124	408 270
Total cost of fuel and electricity	\$000	667 698	612 179	574 299	575 726	645 646
NONMETALS						
Fuel	\$000	88 654	77 712	80 224	96 445	91 148
Electricity purchased	million kWh	2 111	2 138	2 102	2 301	2 363
	\$000	93 594	96 564	98 528	108 050	109 676
Total cost of fuel and electricity	\$000	182 247	174 276	178 752	204 496	200 824
STRUCTURAL MATERIALS						
Fuel	\$000	36 056	34 380	33 610	42 830	58 609
Electricity purchased	million kWh	342	347	357	361	380
	\$000	20 877	21 440	23 082	24 077	25 273
Total cost of fuel and electricity	\$000	56 933	55 820	56 692	66 907	83 882
TOTAL NON-FUEL MINERAL INDUSTRY						
Fuel	\$000	387 917	324 726	308 159	346 877	387 133
Electricity purchased	million kWh	14 843	13 832	13 202	13 367	14 270
	\$000	518 962	517 549	501 584	500 252	543 219
Total cost of fuel and electricity	\$000	906 879	842 275	809 743	847 129	930 353

Sources: Natural Resources Canada; Statistics Canada.

¹ Cement manufacturing, lime manufacturing, clay and clay products (domestic clays) are included in the mineral manufacturing industry.

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

**TABLE 28. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY,
STAGE I – MINERAL EXTRACTION AND CONCENTRATING (TOTAL
ACTIVITY),¹ 1961-97**

SIC no.	Metal Mines	Nonmetal Mines	Structural Materials	Non-Fuel Minerals	Coal	Crude Oil and Natural Gas	Total Non-Fuel and Fuel Mineral Industries
	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	10 627	5 300	49 307	9 013	27 963	86 013
1995	35 182	10 288	6 660	52 130	9 011	35 807	96 947
1996 ^p	33 988	9 690	6 486	50 164	9 069	34 939	94 173
1997 ^f	37 165	11 676	6 537	55 378	8 996	36 033	100 407

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^f Forecast; ^p Preliminary.

¹ Total activity includes sales and head offices.

TABLE 29. CANADA, EMPLOYMENT IN THE NON-FUEL MINERAL INDUSTRY, STAGE I – MINERAL EXTRACTION AND CONCENTRATING (TOTAL ACTIVITY),¹ 1961-97

	Gold	Uranium	Iron	Nickel, Copper, Zinc	Silver, Lead, Zinc	Other Nonferrous	Asbestos	Peat	Gypsum	Potash	Salt	Misc. Nonmetals	Other Nonmetals	Stone Quarries	Sand and Gravel	Total Non-Fuel Mineral Industry
SIC no.	0611	0616	0617	0612, 0613	0614	0615, 0619	0621	0622	0623	0624	0625	0629	0625, 0629	081	082	
	(number)															
1961	15 994	(2)	8 446	23 351	4 524	6 276	6 773	1 207	599	(3)	(3)	(3)	2 424	3 173	2 062	74 829
1962	15 425	(2)	9 181	23 383	4 669	5 585	6 936	1 220	594	(3)	(3)	(3)	2 658	3 221	2 293	75 165
1963	14 639	(2)	9 608	22 703	5 163	5 006	6 828	1 303	677	(3)	(3)	(3)	2 853	3 477	2 209	74 466
1964	14 012	(2)	9 544	23 848	5 898	4 346	6 544	1 290	710	(3)	(3)	(3)	3 183	3 718	2 326	75 419
1965	13 155	(2)	11 739	25 892	6 121	4 035	6 536	1 201	646	1 050	(3)	(3)	2 683	3 511	2 737	79 306
1966	11 656	(2)	11 464	27 651	6 356	4 543	6 736	1 254	585	1 195	(3)	(3)	2 652	3 701	2 611	80 404
1967	10 355	(2)	10 899	29 288	6 030	5 156	6 931	1 261	505	1 724	(3)	(3)	2 656	3 381	2 398	80 584
1968	9 001	(2)	11 342	30 557	6 320	6 149	7 213	1 306	489	2 086	(3)	(3)	2 579	3 340	2 496	82 878
1969	8 221	(2)	10 490	28 679	6 467	6 693	7 242	1 156	657	2 713	(3)	(3)	2 554	3 252	2 440	80 564
1970	7 185	(2)	11 336	36 253	7 103	4 713	7 664	1 195	671	2 837	(3)	(3)	2 783	3 023	2 487	87 250
1971	6 148	(2)	11 524	37 713	6 506	4 121	8 101	1 269	603	2 519	(3)	(3)	2 613	2 832	2 496	86 445
1972	5 579	(2)	10 842	36 012	6 057	3 504	7 843	1 114	670	2 440	(3)	(3)	2 799	2 803	2 351	82 014
1973	5 603	(2)	13 395	37 602	6 112	3 422	8 027	1 236	676	2 684	(3)	(3)	2 768	3 097	2 179	86 801
1974	5 665	(2)	15 019	38 876	6 722	3 756	8 131	1 288	671	3 224	(3)	(3)	2 884	3 458	2 739	92 433
1975	5 798	(2)	16 155	35 538	7 362	4 308	6 042	1 303	576	3 351	(3)	(3)	2 431	3 544	2 838	89 246
1976	5 051	3 430	16 765	34 049	7 351	1 623	7 900	1 168	591	3 270	(3)	(3)	2 720	3 217	2 468	89 603
1977	4 643	4 140	15 550	33 703	7 512	1 694	8 302	1 244	652	3 628	(3)	(3)	2 782	3 004	2 186	89 040
1978	4 943	4 965	12 103	25 610	7 073	1 753	7 752	1 295	683	3 708	(3)	(3)	2 597	2 876	1 971	77 329
1979	5 013	5 858	14 563	25 116	7 081	1 329	8 067	1 372	738	3 905	(3)	(3)	2 688	2 860	1 832	80 422
1980	5 839	6 304	13 753	31 063	7 349	1 810	8 055	1 308	715	4 160	(3)	(3)	2 741	2 660	1 801	87 558
1981	6 809	6 869	12 397	33 246	7 740	1 651	6 829	1 441	711	4 661	(3)	(3)	2 749	2 418	1 765	89 286
1982	7 350	6 035	10 676	28 851	6 837	1 754	4 973	1 323	614	4 076	(3)	(3)	2 694	2 028	1 463	78 674
1983	7 956	5 390	8 236	24 953	5 073	586	4 617	1 301	682	3 696	(3)	(3)	2 874	1 980	1 423	68 767
1984	8 450	6 249	7 843	24 000	5 165	976	4 177	1 369	770	4 508	(3)	(3)	2 874	2 256	1 304	69 941
1985	7 862	5 989	7 077	22 073	4 724	947	3 569	1 363	753	4 488	(3)	(3)	2 801	2 340	1 601	65 587
1986	8 562	5 608	6 379	20 616	4 162	1 160	2 766	1 468	990	4 315	(3)	(3)	2 837	2 627	2 260	63 750
1987	9 757	5 289	6 039	18 979	4 372	1 060	2 858	1 510	929	4 094	(3)	(3)	2 790	2 911	2 827	63 415
1988	12 594	5 103	6 095	18 881	4 443	1 161	2 720	1 581	956	3 970	(3)	(3)	2 452	2 981	2 936	65 873
1989	12 631	4 839	6 303	19 837	4 487	1 308	2 800	1 713	965	3 893	(3)	(3)	2 343	3 145	2 736	67 000
1990	11 807	3 702	5 820	19 104	3 727	1 088	2 699	1 740	786	3 822	(3)	(3)	2 468	2 951	2 425	62 139
1991	10 869	2 391	5 683	18 634	3 459	1 056	2 423	1 519	636	3 825	1 575	834	2 409	2 774	2 252	57 930
1992	9 403	1 702	5 090	17 128	3 664	787	2 289	1 448	672	3 779	1 520	711	2 231	2 496	1 842	52 531
1993	8 810	1 467	4 648	15 892	3 134	795	2 253	1 624	698	3 657	1 547	721	2 268	2 448	1 771	49 465
1994	9 192	1 503	4 700	14 463	2 645	877	2 159	1 928	693	3 644	1 518	685	2 203	2 681	2 619	49 307
1995	9 849	1 530	4 852	15 059	2 898	994	x	1 951	689	3 573	1 433	x	x	2 981	3 679	52 130
1996P	10 054	1 299	4 736	14 074	2 866	959	x	1 845	691	3 506	1 378	x	x	2 899	3 587	50 164
1997f	10 994pr	1 420pr	5 179pr	15 390pr	3 134pr	1 049pr	x	2 223pr	833pr	4 225pr	1 660pr	x	x	2 762	3 775	55 378

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

f Forecast; p Preliminary; pr Pro-rated; x Confidential.

¹ Total activity includes sales and head offices. (2) Included in "Other Nonferrous." (3) Included in "Other Nonmetals."

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

**TABLE 30. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY,
STAGE II – SMELTING AND REFINING (TOTAL ACTIVITY),¹
1961-97**

	Smelting/ Refining	Iron and Steel Mills	Total Primary Metals	Petroleum Refineries	Total Smelting and Refining
SIC no.	295	291	291, 295 (number)	3611	
1961	29 938	34 749	64 687	10 660	75 347
1962	29 693	36 593	66 286	10 184	76 470
1963	28 516	38 196	66 712	9 734	76 446
1964	30 153	41 505	71 658	9 547	81 205
1965	31 835	44 274	76 109	8 976	85 085
1966	34 237	45 999	80 236	8 996	89 232
1967	34 764	44 203	78 967	9 147	88 114
1968	34 710	44 634	79 344	9 091	88 435
1969	33 376	42 954	76 330	8 765	85 095
1970	37 298	49 169	86 467	14 725	101 192
1971	36 445	49 601	86 046	14 506	100 552
1972	33 829	49 758	83 587	14 376	97 963
1973	32 396	53 008	85 404	14 843	100 247
1974	35 249	54 253	89 502	15 967	105 469
1975	35 577	54 003	89 580	15 624	105 204
1976	34 246	51 978	86 224	15 105	101 329
1977	35 647	52 709	88 356	16 464	104 820
1978	32 652	56 669	89 321	18 958	108 279
1979	32 869	59 167	92 036	18 037	110 073
1980	36 137	61 238	97 375	18 743	116 118
1981	38 011	56 543	94 554	21 325	115 879
1982	33 215	52 330	85 545	20 155	105 700
1983	31 788	47 693	79 481	17 557	97 038
1984	31 752	48 899	80 651	15 847	96 498
1985	30 567	47 685	78 252	15 326	93 578
1986	29 058	46 461	75 519	13 287	88 806
1987	29 397	46 493	75 890	13 252	89 142
1988	30 099	48 259	78 358	13 358	91 716
1989	30 651	46 738	77 389	13 881	91 270
1990	30 573	39 120	69 693	13 820	83 513
1991	28 817	38 126	66 943 ^a	12 459	79 402
1992	27 837	35 268	63 105	11 032	74 137
1993	26 175	33 327	59 502	10 819	70 321
1994	24 231	33 097	57 328	10 262	67 590
1995	25 763	32 844	58 607	9 329	67 936
1996 ^e	26 732	32 592	59 324	9 510 ^{pr}	68 834
1997 ^f	26 650	32 463	59 113	8 942 ^{pr}	68 054

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^e Estimated; ^f Forecast; ^{pr} Pro-rated.

^a Change is partially due to the reclassification of a unit from SIC 295 to SIC 296 effective May 1991.

¹ Total activity includes sales and head offices.

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

TABLE 31. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY, STAGE III – SEMI-FABRICATION (TOTAL ACTIVITY),¹ 1961-97

SIC no. ²	Total Non-Fuel Semi-Fabrication	Miscellaneous Petroleum and Coal Products	Lubricating Oil and Greases	Total Semi-Fabrication
		369	3612	
		(number)		
1961	77 063	581	331	77 975
1962	80 606	608	352	81 566
1963	82 420	635	354	83 409
1964	87 843	726	373	88 942
1965	93 912	531	408	94 851
1966	98 602	585	424	99 611
1967	96 033	546	407	96 986
1968	96 375	518	397	97 290
1969	99 438	532	438	100 408
1970	96 144	499	423	97 066
1971	95 831	561	450	96 842
1972	101 109	555	478	102 142
1973	105 884	757	487	107 128
1974	109 818	954	514	111 286
1975	104 296	984	656	105 936
1976	103 411	982	602	104 995
1977	101 257	716	669	102 642
1978	107 234	683	712	108 629
1979	111 231	461	695	112 387
1980	105 902	532	798	107 232
1981	103 192	584	729	104 505
1982	90 194	571	792	91 557
1983	86 814	503	857	88 174
1984	91 405	521	896	92 822
1985	94 515	513	900	95 928
1986	96 744	778	1 001	98 523
1987	99 963	894	1 002	101 859
1988	103 307	1 161	1 091	105 559
1989	101 419	1 135	1 029	103 583
1990	94 544	1 000	1 048	96 592
1991	87 091	1 138	1 046	89 275
1992	81 001	1 390	993	83 384
1993	79 389	1 401	1 864	82 654
1994	80 886	1 415	1 877	84 178
1995	83 931	1 444	1 569	86 944
1996 ^e	84 431	1 697	1 600 ^{pr}	87 727
1997 ^f	88 596	1 865	1 504 ^{pr}	91 965

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^e Estimated; ^f Forecast; ^{pr} Pro-rated.

¹ Includes sales and head offices. ² 1970 SIC for years 1961-82.

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

TABLE 32. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY, STAGE III – NON-FUEL SEMI-FABRICATION (TOTAL ACTIVITY),¹ 1961-97

SIC no.	Steel Pipe and Tube	Iron Foundries	Aluminum Rolling, Casting, Extruding	Copper Rolling, Casting, Extruding	Other Rolling, Casting, Extruding	Wire and Wire Products	Clay and Clay Products	Cement	Concrete Products	Ready-Mix Concrete	Glass and Glass Products ²	Abrasives	Lime	Other Non- metallic Products	Total Non-Fuel Semi- Fabrication
	292	294	296	297	299	305	351	352	354	355	356	357	358	359	
	(number)														
1961	3 407	8 178	5 095	3 482	2 731	12 227	5 327	3 590	8 503	4 232	9 802	2 481	847	7 161	77 063
1962	3 676	8 546	5 118	3 492	2 770	13 045	5 468	3 679	9 156	4 886	10 042	2 577	949	7 202	80 606
1963	3 840	8 216	5 164	3 651	3 038	13 743	5 376	3 566	9 317	5 411	10 346	2 464	886	7 402	82 420
1964	4 437	9 620	4 834	3 849	3 382	14 850	5 582	3 592	10 225	6 171	10 362	2 580	815	7 544	87 843
1965	4 799	11 714	4 654	3 620	3 736	16 099	5 675	3 837	10 988	6 559	10 873	2 821	800	7 737	93 912
1966	4 795	13 027	4 943	4 199	4 103	16 391	5 876	4 053	11 090	7 349	11 248	3 044	785	7 699	98 602
1967	5 012	11 970	5 468	4 027	4 287	16 060	5 559	3 972	10 321	7 137	11 388	2 734	724	7 374	96 033
1968	5 441	11 131	5 491	3 947	4 585	16 082	5 515	3 747	10 166	7 440	11 992	2 617	662	7 559	96 375
1969	5 146	11 582	6 028	3 922	4 856	17 014	5 383	3 778	11 011	7 509	12 031	2 697	707	7 774	99 438
1970	5 314	10 663	6 297	3 744	4 060	16 598	4 938	3 887	9 562	7 340	11 654	2 559	660	8 868	96 144
1971	5 306	9 897	5 612	3 608	3 845	16 272	4 682	3 954	10 719	7 997	11 672	2 310	670	9 287	95 831
1972	6 268	9 948	6 200	3 740	4 215	17 651	4 695	4 732	10 817	8 240	12 045	2 367	651	9 540	101109
1973	5 288	10 965	6 206	3 736	4 863	18 877	5 001	4 871	10 790	9 233	12 840	2 555	724	9 935	105 884
1974	5 845	12 054	6 162	3 779	4 877	19 535	5 289	4 666	11 602	9 219	12 915	2 676	840	10 359	109 818
1975	5 785	11 480	5 672	3 240	4 573	17 614	5 042	4 577	11 201	9 541	11 779	2 318	790	10 684	104 296
1976	5 546	10 365	6 255	3 297	5 354	17 573	4 791	4 517	10 773	9 128	11 836	2 535	804	10 637	103 411
1977	5 634	10 459	6 884	3 183	4 703	17 886	4 553	4 265	10 001	8 521	11 204	2 557	828	10 579	101 257
1978	6 289	10 472	7 060	3 586	5 268	18 823	4 366	4 520	10 486	9 520	11 595	2 678	784	11 787	107 234
1979	6 480	10 520	7 698	3 728	6 292	19 765	4 947	4 828	9 766	9 332	11 835	2 660	925	12 455	111 231
1980	6 514	9 245	6 627	3 230	5 749	18 529	4 875	4 791	9 280	9 348	11 967	2 628	1 003	12 116	105 902
1981	7 531	8 358	6 512	3 031	5 182	17 309	4 145	4 726	9 121	10 053	12 003	2 571	968	11 682	103 192
1982	6 017	8 163	6 255	2 541	4 694	14 575	3 004	4 317	8 245	8 034	11 016	2 170	895	10 268	90 194
1983	4 521	7 364	6 415	2 744	4 827	13 493	3 008	4 057	7 286	8 390	11 896	1 852	862	10 099	86 814
1984	5 482	7 911	6 661	2 971	5 274	14 212	3 070	3 771	7 657	8 802	12 754	1 949	876	10 015	91 405
1985	5 978	7 750	6 196	3 012	5 620	15 354	2 727	3 533	8 336	9 210	12 872	1 895	783	11 249	94 515
1986	4 829	7 547	6 200	3 059	6 357	15 262	3 770	3 514	9 174	10 422	13 448	1 827	778	10 557	96 744
1987	4 964	7 860	6 143	2 828	6 403	14 943	3 930	3 646	10 309	11 910	13 605	1 693	784	10 945	99 963
1988	6 008	8 095	6 124	3 040	7 049	15 154	3 261	3 388	11 386	12 461	13 336	1 917	873	11 215	103 307
1989	5 438	7 538	6 285	3 119	6 645	15 077	3 044	3 350	11 505	12 377	12 664	2 039	871	11 467	101 419
1990	5 319	8 397	5 463	2 316	5 479	12 965	2 563	3 259	10 627	12 798	11 733	1 837	836	10 952	94 544
1991	5 618	7 680	5 169	2 211	4 710	12 369	2 254	3 111	9 442	11 633	10 855	1 408	861	9 770	87 091
1992	4 808	7 394	4 998	2 066	5 100	11 580	2 204	2 962	7 741	10 982	10 053	1 523	771	8 819	81 001
1993	5 555	7 174	5 128	2 111	4 946	11 814	1 686	2 786	7 387	10 438	9 676	1 395	731	8 562	79 389
1994	5 889	7 412	5 763	2 092	5 431	12 386	1 647	2 762	7 195	10 389	9 359	1 335	763	8 463	80 886
1995	5 675	7 736	5 713	2 023	6 043	13 249	1 762	2 784	8 000	10 233	9 542	1 451	793	8 927	83 931
1996 ^e	6 246	6 287	6 413	1 187	6 256	14 528	1 852	2 829	8 455	10 493	9 189	1 494	891	8 313	84 431
1997 ^f	5 574	5 028	7 870	1 367	6 696	15 642	1 898	3 054	10 301	11 311	8 888	1 532	913	8 522	88 596

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^e Estimated; ^f Forecast.

¹ Includes sales and head offices. ² Includes sealed window manufacturers until 1969; thereafter, these are included in Stage IV – Ornamental Metal Products.

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

TABLE 33. CANADA, EMPLOYMENT IN THE MINERAL INDUSTRY, STAGE IV – METALLIC MINERAL MANUFACTURING (TOTAL ACTIVITY),¹ 1961-97

SIC no.	Boilers	Structural Metal Products	Ornamental Metal Products	Stamped, Pressed and Coated Products	Hardware Tools and Cutlery	Heating Equipment	Machine Parts	Other Metal Fabricating	Total Mineral Manufacturing
	301	302	303	304	306	307	308	309	
	(number)								
1961	4 709	14 231	10 641	21 156	9 135	5 137	7 756	15 249	88 014
1962	4 886	14 802	11 640	23 606	10 223	5 349	8 603	16 283	95 392
1963	5 350	14 212	12 459	24 024	11 112	5 586	9 179	16 627	98 549
1964	5 429	14 602	12 808	25 192	13 110	5 673	10 137	18 088	105 039
1965	6 496	18 072	13 439	27 925	13 570	5 711	11 618	20 017	116 848
1966	7 239	21 038	13 488	29 577	14 326	5 464	13 235	21 431	125 798
1967	6 622	18 547	12 994	29 830	14 056	5 461	13 810	21 007	122 327
1968	7 962	17 150	12 664	29 560	14 166	4 930	13 501	20 825	120 758
1969	7 494	18 203	12 784	30 463	14 401	5 059	14 517	20 895	123 816
1970	7 661	19 104	12 417	29 709	15 241	4 670	14 221	20 543	123 566
1971	7 847	17 556	12 614	28 710	14 920	4 749	13 097	20 755	120 248
1972	8 136	17 113	13 611	27 939	16 386	4 238	11 731	21 504	120 658
1973	8 013	18 164	13 937	30 026	18 819	4 453	10 138	22 494	126 044
1974	8 681	20 020	14 470	31 276	20 234	4 930	10 936	23 663	134 210
1975	10 211	19 101	15 241	30 273	18 990	4 717	10 922	23 810	133 265
1976	10 704	18 056	15 541	31 487	19 316	4 977	10 764	23 704	134 549
1977	9 660	17 209	14 800	30 888	17 867	4 538	10 762	23 298	129 022
1978	9 124	16 759	16 753	34 181	18 856	5 086	12 029	24 904	137 692
1979	9 477	18 676	18 018	33 548	21 090	5 818	13 081	23 705	143 413
1980	10 374	17 700	17 890	32 266	20 830	5 993	13 449	24 217	142 719
1981	11 215	18 445	17 603	32 459	19 575	5 806	14 297	22 123	141 523
1982	10 965	17 021	15 228	29 865	17 342	5 317	13 083	18 167	126 988
1983	5 413	18 437	13 537	27 947	16 609	5 032	12 881	16 044	115 900
1984	4 548	17 162	13 538	27 758	17 308	4 220	14 200	16 256	114 990
1985	4 455	18 083	15 598	31 021	19 297	5 607	15 356	14 927	124 344
1986	4 990	19 213	17 462	31 584	21 164	5 779	17 259	15 170	132 621
1987	4 816	18 615	19 770	35 329	22 129	6 252	18 398	16 358	141 667
1988	6 182	19 689	20 795	36 976	23 042	6 390	22 681	17 887	153 642
1989	5 407	23 006	22 591	36 707	25 626	7 076	24 639	20 099	165 151
1990	5 234	21 277	21 075	33 665	22 475	6 112	24 271	19 298	153 407
1991	5 081	18 667	19 885	30 348	21 912	5 246	23 092	16 770	141 001
1992	5 557	15 236	16 523	28 512	19 084	4 187	18 374	15 312	122 785
1993	5 277	14 769	14 554	28 396	20 051	4 463	18 840	14 442	120 792
1994	5 167	15 342	14 484	29 518	21 716	4 919	21 290	15 630	128 066
1995	5 012	17 706	14 501	31 562	22 704	5 280	24 691	17 258	138 714
1996 ^e	4 507	17 561	18 945	30 216	25 205	6 976	25 584	16 999	145 992
1997 ^f	3 763	19 932	17 670	33 193	27 809	5 793	27 527	20 349	156 035

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^e Estimated; ^f Forecast.¹ Total activity includes sales and head offices.

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

TABLE 34. CANADA, EMPLOYMENT FOR SERVICES INCIDENTAL TO MINES, QUARRIES AND OIL WELLS, 1961-97^a

	Petroleum and Natural Gas Contract Drilling	Mining Diamond Drilling	Other Services Incidental to Mines, Quarries and Oil Wells	Total
	(number)			
1961	4 144	2 025	1 409	7 578
1962	3 800	1 926	1 720	7 446
1963	4 179	2 201	1 491	7 871
1964	4 158	2 401	2 077	8 636
1965	4 648	2 776	3 137	10 561
1966	4 428	2 887	4 317	11 632
1967	4 249	2 669	5 425	12 343
1968	4 434	2 985	6 350	13 769
1969	4 821	3 109	6 967	14 897
1970	4 267	3 207	7 894	15 368
1971	4 093	2 514	7 710	14 317
1972	4 817	2 083	6 139	13 039
1973	5 680	2 123	5 193	12 996
1974	5 054	2 317	5 017	12 388
1975	5 096	1 899	4 139	11 134
1976	5 486	1 548	5 043	12 077
1977	6 054	1 682	5 723	13 459
1978	7 419	1 681	7 492	16 592
1979	9 076	2 420	8 436	19 932
1980	11 097	2 959	9 327	23 383
1981	8 448	2 721	9 856	21 025
1982	6 882	1 880	7 752	16 514
1983	12 032	1 575	12 254	25 861
1984	33 577	1 684	10 602	45 863
1985	37 516	1 625	12 191	51 332
1986	31 480	2 198	11 582	45 260
1987	30 400	3 353	11 174	44 928
1988	32 376	3 201	12 384	47 961
1989	29 017	2 072	11 052	42 141
1990	28 138	1 848	9 540	39 525
1991	29 909	1 395	8 606	39 910
1992	23 074	1 143	6 957	31 174
1993	25 426	1 515	6 284	33 225
1994	32 909	1 744	7 810	42 463
1995	28 177	1 832	8 041	38 050
1996 ^p	26 354	2 155	8 488	36 998
1997 ^f	31 722	2 155	8 801	42 678

Sources: Natural Resources Canada; Statistics Canada.

SIC: Standard Industrial Classification, 1980.

^f Forecast; ^p Preliminary.

^a From 1961 to 1983, Petroleum and Natural Gas Contract Drilling included SIC Code 0911, Mining Diamond Drilling included SIC Code 0921, and Other Services Incidental to Mines, Quarries and Oil Wells included both SIC Codes 0919 and 0929. For data beginning in the year 1984, these series changed. Petroleum and Natural Gas Contract Drilling includes both SIC Codes 0911 and 0919, Mining Diamond Drilling includes SIC Code 0921, and Other Services Incidental to Mines and Quarries (excluding Oil Wells) includes SIC Code 0929 only.

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

TABLE 35. CANADA, EMPLOYMENT, SALARIES AND WAGES IN THE MINERAL INDUSTRY,¹ 1988-95

	Unit	1988	1989	1990	1991	1992	1993	1994	1995
METALS									
Production and related workers	Number	36 140	37 451	33 895	31 168	27 908	25 762	24 809	26 344
Salaries and wages	\$000	1 539 838	1 707 653	1 674 050	1 627 254	1 532 118	1 374 090	1 376 286	1 500 141
Annual average salary and wage	\$	42 608	45 597	49 389	52 209	54 899	53 338	55 475	56 944
Administrative and office workers	Number	12 137	11 835	11 353	10 924	9 866	8 984	8 571	8 838
Salaries and wages	\$000	561 205	592 921	603 486	626 302	587 210	532 735	526 076	558 984
Annual average salary and wage	\$	46 239	50 099	53 157	57 333	59 519	59 298	61 379	63 248
Total metals									
Employees	Number	48 277	49 405	45 248	42 092	37 774	34 746 ^r	33 380	35 182
Salaries and wages	\$000	2 101 043	2 307 891	2 277 536	2 253 556	2 119 328	1 906 825	1 902 362	2 059 125
Annual average salary and wage	\$	43 521	46 714	50 335	53 539	56 105	54 879	56 991	58 528
NONMETALS²									
Production and related workers	Number	8 773	8 730	8 736	8 055	7 938	7 974	8 094	7 855
Salaries and wages	\$000	292 547	298 008	300 325	301 481	313 175	316 207	336 277	346 297
Annual average salary and wage	\$	33 346	34 136	34 378	37 428	39 453	39 655	41 546	44 086
Administrative and office workers	Number	2 906	2 984	2 779	2 757	2 481	2 526	2 533	2 433
Salaries and wages	\$000	123 148	127 774	125 740	133 255	122 356	125 008	124 704	127 452
Annual average salary and wage	\$	42 377	42 820	45 246	48 333	49 317	49 489	49 232	52 385
Total nonmetals									
Employees	Number	11 679	11 714	11 515	10 812	10 419	10 500	10 627	10 288
Salaries and wages	\$000	415 695	425 783	426 064	434 736	435 531	441 215	460 981	473 749
Annual average salary and wage	\$	35 593	36 348	37 001	40 209	41 802	42 020	43 378	46 049
MINERAL FUELS (COAL)									
Production and related workers	Number	9 142	9 166	8 961	8 775	7 804	7 204	7 397	7 413
Salaries and wages	\$000	379 543	414 402	398 043	391 289	319 110	334 274	372 598	384 132
Annual average salary and wage	\$	41 516	45 211	44 419	44 591	40 891	46 401	50 372	51 819
Administrative and office workers	Number	1 980	2 113	2 056	2 042	1 922	1 656	1 616	1 597
Salaries and wages	\$000	98 462	106 050	95 426	103 853	98 604	85 078	87 713	90 599
Annual average salary and wage	\$	49 728	50 189	46 413	50 858	51 303	51 376	54 278	56 731
Total mineral fuels									
Employees	Number	11 122	11 279	11 017	10 817	9 726	8 860	9 013	9 010
Salaries and wages	\$000	478 005	520 452	493 469	495 142	417 714	419 352	460 311	474 731
Annual average salary and wage	\$	42 978	46 143	44 792	45 774	42 948	47 331	51 072	52 689
STRUCTURAL MATERIALS									
Production and related workers	Number	4 196	4 246	3 966	3 644	3 169	3 113	3 908	5 106
Salaries and wages	\$000	136 564	142 742	138 400	126 030	114 101	115 333	143 405	190 206
Annual average salary and wage	\$	32 546	33 618	34 897	34 586	36 005	37 049	36 695	37 251
Administrative and office workers	Number	1 721	1 635	1 413	1 382	1 169	1 106	1 392	1 554
Salaries and wages	\$000	66 501	63 783	55 682	53 655	50 121	46 068	53 559	61 363
Annual average salary and wage	\$	38 641	39 011	39 407	38 824	42 875	41 653	38 476	39 487
Total structural materials									
Employees	Number	5 917	5 881	5 376	5 026	4 338	4 219	5 300	6 660
Salaries and wages	\$000	203 066	206 525	194 081	179 685	164 222	161 401	196 964	251 569
Annual average salary and wage	\$	34 319	35 117	36 101	35 751	37 857	38 256	37 163	37 773
TOTAL MINERAL INDUSTRY									
Production and related workers	Number	58 251	59 593	55 558	51 642	46 819	44 053	44 208	46 718
Salaries and wages	\$000	2 348 492	2 562 805	2 510 817	2 446 055	2 278 504	2 139 903	2 228 567	2 420 776
Annual average salary and wage	\$	40 317	43 005	45 193	47 366	48 666	48 576	50 411	51 817
Administrative and office workers	Number	18 744	18 567	17 601	17 105	15 438	14 272	14 112	14 422
Salaries and wages	\$000	849 316	890 528	880 333	917 064	858 290	788 890	792 052	838 398
Annual average salary and wage	\$	45 311	47 963	50 016	53 614	55 596	55 275	56 126	58 133
Total mineral industry									
Employees	Number	76 995	78 279	73 156	68 747	62 247	58 325	58 320	61 140
Salaries and wages	\$000	3 197 809	3 460 651	3 391 151	3 363 119	3 136 794	2 928 793	3 020 618	3 259 174
Annual average salary and wage	\$	41 533	44 209	46 355	48 920	50 385	50 215	51 794	53 307

Sources: Natural Resources Canada; Statistics Canada.

^r Revised.¹ Cement manufacturing, lime manufacturing, clay and clay products (domestic clays) 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 36. CANADA, NUMBER OF WAGE EARNERS EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY (SURFACE, UNDERGROUND AND MILL), 1988-95

	1988	1989	1990	1991	1992	1993	1994	1995
	(number)							
METALS								
Surface	9 637	9 358	8 608	7 545	6 550	5 973	4 526	4 467
Underground	14 968	16 116	14 454	13 614	12 205	11 281	11 396	12 305
Mill	11 535	11 977	10 833	10 009	9 153	8 508	8 888	9 572
Total	36 140	37 451	33 895	31 168	27 908	25 762	24 810	26 344
NONMETALS								
Surface	2 255	2 101	2 039	1 719	1 785	1 912	1 945	1 796
Underground	2 407	2 251	2 309	2 214	2 125	2 098	2 093	1 967
Mill	4 349	4 378	4 388	4 122	4 028	3 964	4 056	4 092
Total	9 011	8 730	8 736	8 055	7 938	7 974	8 094	7 855
STRUCTURAL MATERIALS								
Surface	3 653	3 643	3 348	3 181	2 768	2 708	3 373	4 573
Underground	4	—	—	—	—	—	—	—
Mill	539	603	618	463	401	405	535	533
Total	4 196	4 246	3 966	3 644	3 169	3 113	3 908	5 106
TOTAL NON-FUEL MINERAL INDUSTRY								
Surface	15 545	15 102	13 995	12 445	11 103	10 593	9 844	10 836
Underground	17 379	18 367	16 763	15 828	14 330	13 379	13 489	14 272
Mill	16 423	16 958	15 839	14 594	13 582	12 877	13 479	14 197
Total	49 347	50 427	46 597	42 867	39 015	36 849	36 812	39 305

Source: Natural Resources Canada.

— Nil.

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

TABLE 37. CANADA, MINE AND MILL WORKERS, BY SEX, EMPLOYED IN THE NON-FUEL MINERAL INDUSTRY, 1995

	Mine Workers							
	Underground		Surface		Mill Workers		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
	(number)							
METALS								
Gold	4 592	27	634	12	2 143	84	7 369	123
Silver-lead-zinc	1 034	21	266	29	613	17	1 913	67
Uranium	274	12	344	9	528	32	1 146	53
Iron ore	27	1	959	18	2 508	100	3 494	119
Nickel-copper-zinc ¹	6 196	41	1 819	75	3 099	126	11 114	242
Miscellaneous metal mines ²	80	—	298	4	312	10	690	14
Total	12 203	102	4 320	147	9 203	369	25 726	618
NONMETALS								
Asbestos	x	x	x	x	x	x	x	x
Peat	—	—	574	55	923	59	1 497	114
Gypsum	147	—	346	1	88	4	581	5
Potash	1 318	12	38	3	1 285	36	2 641	51
Miscellaneous nonmetals ³	x	x	x	x	x	x	x	x
Total	1 955	12	1 731	65	3 969	123	7 655	200
STRUCTURAL MATERIALS								
Stone	—	—	1 872	25	340	6	2 212	31
Sand and gravel	—	—	2 618	58	184	3	2 802	61
Total	—	—	4 490	83	524	9	5 014	92
Total non-fuel mineral industry ⁴	14 158	114	10 541	295	13 696	501	38 395	910

Source: Natural Resources Canada.

— Nil; x Confidential.

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

TABLE 38. CANADA, LABOUR COSTS FOR METAL MINES IN RELATION TO TONNES MINED, 1993-95

	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)	(\$)
1993						
Uranium	612	31 400	51 307	1 663	2 718	18.88
Gold	5 224	297 819	57 010	19 285	3 692	15.44
Silver-lead-zinc	1 508	55 351	36 705	8 001	5 305	6.92
Nickel-copper-zinc ¹	8 611	450 870	52 360	116 277	13 503	3.88
Miscellaneous metals ²	354	15 997	45 190	12 496	35 301	1.28
Iron ore	945	65 773	69 601	78 741	83 324	0.84
Total	17 254	917 210	53 159	236 464	13 705	3.88
1994						
Uranium	642	33 359	51 961	1 756	2 734	19.00
Gold	4 913	276 067	56 191	21 288	4 333	12.97
Silver-lead-zinc	1 276	47 230	37 014	7 444	5 834	6.34
Nickel-copper-zinc ¹	7 713	432 839	56 118	92 651	12 012	4.67
Miscellaneous metals ²	392	18 546	47 310	14 887	37 977	1.25
Iron ore	986	74 443	75 500	95 723	97 082	0.78
Total	15 922	882 484	55 425	233 748	14 681	3.78
1995						
Uranium	639	33 163	51 898	1 364	2 135	24.31
Gold	5 265	305 233	57 974	25 120	4 771	12.15
Silver-lead-zinc	1 350	70 554	52 263	10 295	7 626	6.85
Nickel-copper-zinc ¹	8 131	462 806	56 919	113 260	13 929	4.09
Miscellaneous metals ²	382	18 005	47 132	14 899	39 002	1.21
Iron ore	1 005	78 680	78 289	95 538	95 063	0.82
Total	16 772	968 441	57 742	260 475	15 530	3.72

Source: Natural Resources Canada.

¹ Includes copper-zinc and nickel-copper mines. ² Includes molybdenum mines.**TABLE 39. CANADA, PERSON-HOURS PAID FOR PRODUCTION AND RELATED WORKERS, AND TONNES OF ORE MINED AND ROCK QUARRIED IN METAL MINES AND OTHER MINERAL OPERATIONS, 1990-95**

	Unit	1990	1991	1992	1993	1994	1995
METAL MINES¹							
Ore mined	Mt	280.6	271.4	248.2	236.5	233.7	260.5
Person-hours paid ²	million	74.6	68.7	61.1	55.5	53.7	57.1
Person-hours paid per tonne mined	number	0.27	0.25	0.25	0.23	0.23	0.22
Tonnes mined per person-hour paid	t	3.76	3.95	4.06	4.26	4.35	4.56
OTHER MINERAL OPERATIONS³							
Ore mined and rock quarried	Mt	158.1	156.8	147.8	151.7 ^r	170.5	173.0
Person-hours paid ²	million	34.6	32.5	30.1	32.2 ^r	32.2	33.3
Person-hours paid per tonne mined	number	0.22	0.21	0.20	0.21 ^r	0.19	0.19
Tonnes mined per person-hour paid	t	4.57	4.82	4.91	4.71 ^r	5.29	5.20

Sources: Natural Resources Canada; Statistics Canada, catalogue nos. 26-223, 26-224 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 40. CANADA, AVERAGE WEEKLY WAGES (INCLUDING OVERTIME) FOR HOURLY RATED EMPLOYEES IN MINING, MINERAL MANUFACTURING, AND LOGGING AND FORESTRY INDUSTRIES, 1990-97

	1990	1991	1992	1993	1994	1995	1996	1997
	(\$)							
Mines, quarries and oil wells	858.18	902.75	929.47	953.46	960.83	991.43	1 039.08	1 057.61
Mining	849.63	893.99	934.52	946.41	972.67	1 013.75	1 051.24	1 036.86
Metal mines	876.74	928.68	972.31	988.59	1 016.75	1 068.15	1 109.27	1 084.60
Nonmetal mines	723.67	760.42	795.46	802.00	830.51	845.53	871.52	910.50
Quarries and sand pits	621.74	650.78	672.02	640.86	669.64	724.13	746.72	781.99
Coal mines	867.60	897.50	933.84	946.45	956.98	990.84	1 015.54	994.15
Crude petroleum and natural gas	1 043.34	1 110.13	1 098.68	1 148.77	1 165.58	1 202.52	1 243.35	1 252.89
Logging and forestry	645.91	682.45	700.07	712.49	733.88	735.30	768.63	793.12
Manufacturing	599.37	624.70	652.92	669.44	685.84	694.58	716.62	736.69

Source: Statistics Canada.

TABLE 41. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY INDUSTRY, 1995-97

	1995			1996			1997 ^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	3	159	1 770	1	5	450	—	—	—
Logging and forestry	1	15	3 840	2	465	4 310	1	15	1 930
Fishing and trapping	—	—	—	2	25	235	—	—	—
Mining	5	306	24 360	8	3 984	133 960	7	6 175	164 110
Manufacturing	125	27 293	709 679	102	38 021	763 719	112	22 034	758 640
Construction	16	11 869	188 192	11	3 825	92 389	—	—	—
Transportation and utilities	36	36 405	284 425	33	10 030	245 290	38	48 436	595 400
Trade	55	2 298	67 608	41	19 355	424 335	28	11 041	461 800
Finance, insurance and real estate	5	82	3 300	3	49	2 975	4	77	2 220
Service	63	43 584	229 157	106	28 134	418 947	76	138 325	1 517 420
Public administration	18	4 148	46 990	15	49 851	1 122 950	11	2 189	43 090
Other industries	1	23 000	23 000	4	130 000	130 000	1	25 000	25 000
Total, all industries	328	149 159	1 582 321	328	283 744	3 339 560	278	253 292	3 569 610

Source: Labour Canada.
— Nil; ^P Preliminary.

TABLE 42. CANADA, NUMBER OF STRIKES AND LOCKOUTS BY MINING AND MINERAL MANUFACTURING INDUSTRIES, 1995-97

	1995			1996			1997 ^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	5	306	24 360	8	3 984	133 960	7	6 175	164 110
Metals	2	222	14 130	5	3 654	100 880	3	6 087	154 840
Mineral fuels	—	—	—	—	—	—	—	—	—
Nonmetals	1	23	5 790	2	303	29 520	2	34	2 420
Quarries	2	61	4 440	1	27	3 560	2	54	6 850
MINERAL MANUFACTURING	15	6 699	130 955	15	2 300	75 510	11	2 385	86 330
Primary metals	10	6 063	51 410	5	977	27 260	6	1 590	64 200
Nonmetallic mineral products	3	327	15 045	9	1 158	22 670	5	795	22 130
Petroleum and coal products	2	309	64 500	1	165	25 580	—	—	—

Source: Labour Canada.

— Nil; ^p Preliminary.**TABLE 43. CANADA, MINING WAGES AND SALARIES BY PROVINCE AND BY MINERAL CLASS, 1994 AND 1995**

	1994					1995				
	Metals	Nonmetals	Coal	Quarries and Sand Pits	Total	Metals	Nonmetals	Coal	Quarries and Sand Pits	Total
	(\$000)									
Newfoundland	162 046	2 275	—	2 049	166 370	166 110	x	—	x	168 223
Prince Edward Island	—	428	—	—	428	—	695	—	—	695
Nova Scotia	391	27 882	77 980	4 448	110 701	400	27 570	69 736	6 062	103 767
New Brunswick	x	x	4 196	x	124 645	x	x	4 280	4 309	134 003
Quebec	430 005	127 590	—	59 442	617 038	496 836	123 136	—	61 282	681 254
Ontario	696 715	63 307	—	79 709	839 731	690 667	60 999	—	105 600	857 266
Manitoba	x	4 447	—	x	177 820	191 010	4 607	—	7 070	202 687
Saskatchewan	x	163 867	x	2 069	234 580	x	180 306	x	4 173	260 909
Alberta	—	x	x	18 666	176 855	—	x	x	x	194 980
British Columbia	231 864	3 497	210 739	21 257	467 357	255 693	4 449	225 477	32 617	518 236
Yukon	—	—	—	—	—	x	—	—	x	11 574
Northwest Territories	105 094	—	—	—	105 094	x	—	—	—	125 580
Total	1 902 362	460 981	460 311	196 964	3 020 618	2 059 125	473 749	474 731	251 569	3 259 174

Sources: Natural Resources Canada; Statistics Canada.

— Nil; x Confidential.

1 Includes establishments primarily engaged in providing contract drilling and other services to petroleum and natural gas industries.

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

TABLE 44. CANADA, SOURCE OF ORES HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1993-95

Mines	1993			1994			1995		
	Underground	Open-Pit	Total	Underground	Open-Pit	Total	Underground	Open-Pit	Total
(000 tonnes)									
METALS									
Gold	17 292.9	1 992.5	19 285.4	17 124.1	4 163.8	21 287.8	16 739.6	8 380.8	25 120.3
Silver-lead-zinc	7 066.6	934.0	8 000.6	7 443.7	–	7 443.7	8 132.5	2 162.1	10 294.6
Uranium	1 194.9	468.4	1 663.3	1 220.0	535.5	1 755.5	1 283.0	81.2	1 364.2
Iron	811.9	77 929.4	78 741.3	635.6	95 087.5	95 723.1	845.1	94 692.9	95 538.0
Nickel-copper-zinc	26 297.0	89 980.3	116 277.3	22 452.7	70 198.3	92 651.0	26 838.5	86 421.0	113 259.5
Miscellaneous metals	895.1	11 601.3	12 496.4	899.2	13 987.9	14 887.1	923.5	13 975.1	14 898.6
Subtotal metals	53 558.3	182 906.0	236 464.3	49 775.3	183 973.0	233 748.3	54 762.2	205 713.0	260 475.2
NONMETALS									
Asbestos	1 136.5	11 003.2	12 139.7	1 319.5	10 596.5	11 916.0	1 524.9	10 185.4	11 710.2
Gypsum	828.3	7 643.3	8 471.6	1 137.0	7 807.1	8 944.1	915.5	7 707.6	8 623.1
Potash	30 811.1	–	30 811.1	38 845.5	–	38 845.5	40 195.9	–	40 195.9
Rock salt	10 349.8	–	10 349.8	11 757.8	–	11 757.8	9 854.3	–	9 854.3
Miscellaneous nonmetals	261.2	2 109.4	2 370.6	267.3	2 133.6	2 400.9	231.3	1 980.9	2 212.2
Subtotal nonmetals	43 386.8	20 756.0	64 142.8	53 327.2	20 537.2	73 864.3	52 721.9	19 873.8	72 595.7
MINERAL FUELS									
Coal	5 691.6	81 911.0 ^r	87 602.6	5 329.3	91 287.1	96 616.4	5 317.9	92 389.4	97 707.3
Total metals, nonmetals and mineral fuels	102 636.8	285 572.9 ^r	388 209.7	108 431.8	295 797.2	404 228.9	112 802.0	317 976.2	430 778.2
Percentage	28.9	73.6 ^r	100.0	33.5	66.5	100.0	26.2	73.8	100.0

Sources: Natural Resources Canada; Statistics Canada.

 – Nil; ^r Revised.

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

TABLE 45. CANADA, SOURCE OF MATERIAL HOISTED OR REMOVED FROM SELECTED TYPES OF MINES, 1995

	Underground		Open-Pit			Tailings
	Ore	Waste	Ore	Waste	Over-burden	
(000 tonnes)						
METALS						
Gold	16 740	3 841	8 381	19 296	5 258	24 941
Silver-lead-zinc	8 133	351	2 162	9 733	–	7 937
Uranium	1 283	145	81	2 408	4 097	1 634
Iron	845	–	94 693	7 490	5 533	55 689
Nickel-copper-zinc	26 839	2 117	86 421	81 604	3 808	115 353
Miscellaneous metals	924	17	13 975	10 517	–	12 949
Subtotal metals	54 762	6 471	205 713	131 049	18 696	218 503
NONMETALS						
Asbestos	1 525	–	10 185	16 739	–	6 055
Gypsum	916	95	7 708	3 066	2 440	350
Potash	40 196	8	–	–	–	22 685
Rock salt	9 854	475	–	–	–	444
Miscellaneous nonmetals	231	35	1 981	2 006	213	929
Subtotal nonmetals	52 722	613	19 874	21 811	2 653	30 462
MINERAL FUELS						
Coal	5 318	..	92 389	..	..	..
Total metals, nonmetals and mineral fuels	112 802	7 084	317 976	152 859	21 350	248 966

Sources: Natural Resources Canada; Statistics Canada.

– Nil; .. Not available.

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

TABLE 46. CANADA, ORE MINED AND ROCK QUARRIED IN THE MINING INDUSTRY, 1990-95

	1990	1991	1992	1993	1994	1995
	(000 tonnes)					
METALS						
Gold	22 802	22 851	20 842	19 285	21 288	25 120
Silver-lead-zinc	11 677	12 572	13 306	8 001	7 444	10 295
Uranium	5 888	2 308	1 562	1 663	1 756	1 364
Iron	92 146	98 179	81 524	78 741	95 723	95 538
Nickel-copper-zinc	129 701	118 554	117 601	116 277	92 651	113 259
Miscellaneous metals	18 359	16 890	13 325	12 496	14 887	14 899
Subtotal metals	280 573	271 354	248 160	236 464	233 748	260 475
NONMETALS						
Asbestos	14 484	13 698	13 837	12 140	11 916	11 710
Gypsum	9 031	7 203	7 957	8 472	8 944	8 623
Potash	31 760	32 578	32 152	30 811	38 846	40 196
Rock salt	11 226	11 035	9 966	10 350	11 758	9 854
Miscellaneous nonmetals	2 184	2 010	—	2 371	2 401	2 212
Subtotal nonmetals	68 685	66 524	63 912	64 143	73 864	72 596
STRUCTURAL MATERIALS						
Stone, all kinds quarried ¹	129 358	102 986	104 549	105 998	110 411	120 660
MINERAL FUELS						
Coal	89 462	90 290	81 415	87 603	96 616	97 707
Total ore mined and rock quarried	568 078	531 154	498 036	494 208	514 639	551 438

Sources: Natural Resources Canada; Statistics Canada.

— Nil.

¹ Excludes stone used to manufacture cement and lime in Canada.

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

**TABLE 47. CANADA, ORE MINED AND ROCK QUARRIED
IN THE MINING INDUSTRY, 1960-95**

	Metals	Industrial Minerals ¹	Coal	Total
	(million tonnes)			
1960	92.1	88.7	..	180.8
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	100.4	554.2

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 48. CANADA, EXPLORATION AND DEVELOPMENT EXPENDITURES BY MINING COMPANIES¹ BY PROVINCE AND TERRITORY, 1996-98

		On-Property Exploration	On-Property Development	Structures	Total Construction
(\$ millions)					
Newfoundland	1996	x	54.0	x	99.3
	1997 ^P	3.5	46.3	9.3	59.1
	1998 ⁱ	x	48.0	x	52.7
Prince Edward Island	1996	—	—	—	—
	1997 ^P	—	—	—	—
	1998 ⁱ	—	—	—	—
Nova Scotia	1996	x	6.1	x	16.3
	1997 ^P	—	9.5	3.5	13.0
	1998 ⁱ	—	13.5	x	x
New Brunswick	1996	x	x	x	x
	1997 ^P	x	x	x	x
	1998 ⁱ	x	x	x	x
Quebec	1996	23.6	277.5	244.9	546.1
	1997 ^P	40.7	314.1	113.1	467.8
	1998 ⁱ	51.0	417.4	104.0	572.4
Ontario	1996	32.2	287.7	110.5	430.4
	1997 ^P	56.9	261.0	43.4	361.4
	1998 ⁱ	34.7	240.0	23.7	298.4
Manitoba	1996	x	x	12.8	149.5
	1997 ^P	x	114.3	x	158.8
	1998 ⁱ	x	63.4	x	114.6
Saskatchewan	1996	3.1	49.0	99.8	151.9
	1997 ^P	x	180.2	x	301.2
	1998 ⁱ	x	x	50.5	240.2
Alberta	1996	x	x	28.7	46.8
	1997 ^P	x	21.4	x	39.5
	1998 ⁱ	6.4	18.9	10.2	35.5
British Columbia	1996	9.9	92.5	62.2	164.6
	1997 ^P	x	80.8	x	131.9
	1998 ⁱ	24.1	68.1	25.0	117.2
Yukon	1996	—	—	x	x
	1997 ^P	x	x	x	x
	1998 ⁱ	x	x	x	x
Northwest Territories	1996	x	x	x	25.0
	1997 ^P	6.3	47.4	248.6	302.3
	1998 ⁱ	9.0	37.3	262.3	308.6
Canada	1996	130.2	942.1	601.9	1 674.2
	1997 ^P	177.6	1 107.0	630.7	1 915.3
	1998 ⁱ	169.4	1 106.5	581.9	1 857.8

Source: Statistics Canada.

— Nil; ⁱ Intentions; ^P Preliminary actual; x Confidential, included in total.¹ Excludes crude petroleum and natural gas industries, and quarry and sand pit industries.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures in this table are based on the 1980 Standard Industrial Classification. Refer also to Table 60.

TABLE 49. CANADA, EXPLORATION, DEVELOPMENT, CAPITAL AND REPAIR EXPENDITURES IN THE MINING INDUSTRY¹ BY TYPE OF MINING, 1996-98

		Capital					Repair			Total Capital and Repair	
		Construction		Structures	Sub-total	Machinery and Equipment	Total Capital	Construction	Machinery and Equipment		Total Repair
		On-Property Exploration	On-Property Development								
(\$ millions)											
METAL MINES											
Gold	1996	40.0	262.0	176.8	478.8	143.8	622.6	34.3	228.1	262.3	884.9
	1997P	73.0	342.4	97.8	513.2	95.0	608.2	..	..	..	..
	1998i	58.3	379.2	88.6	526.1	64.2	590.3	..	..	..	..
Copper and copper-zinc	1996	16.3	140.3	53.3	209.9	107.8	317.7	17.5	186.9	204.4	552.2
	1997P	19.0	69.9	70.1	159.1	122.9	282.0	..	..	..	..
	1998i	31.2	66.7	77.0	175.0	113.3	288.4	..	..	..	..
Nickel-copper	1996	x	219.3	x	429.6	119.2	548.7	x	x	x	x
	1997P	x	x	41.9	234.5	277.7	512.1	..	..	..	..
	1998i	26.9	x	x	169.5	x	295.2	..	..	..	..
Silver-lead-zinc	1996	x	46.1	x	67.1	24.3	91.3	x	x	x	x
	1997P	x	72.4	x	116.7	28.0	144.7	..	..	..	..
	1998i	x	80.4	x	117.2	34.4	151.6	..	..	..	..
Uranium	1996	x	x	x	95.4	x	x	x	x	x	x
	1997P	x	x	x	x	x	x	..	..	..	..
	1998i	x	x	x	x	x	x	..	..	..	..
Iron	1996	x	x	x	x	x	216.7	14.6	252.3	267.0	483.7
	1997P	x	x	x	x	78.4	202.4	..	..	..	..
	1998i	x	x	x	x	x	271.0	..	..	..	..
Other metal mines	1996	x	x	x	25.9	13.2	39.1	x	x	25.4	64.5
	1997P	0.9	x	x	15.5	x	19.0	..	..	..	..
	1998i	0.4	x	x	x	x	23.9	..	..	..	..
Total metal mines	1996	124.8	824.1	500.2	1 449.2	535.8	1 984.9	117.1	987.9	1 105.0	3 089.9
	1997P	161.9	883.0	316.1	1 361.0	646.5	2 007.4	..	..	..	..
	1998i	152.0	907.6	234.7	1 294.3	548.2	1 842.6	..	..	..	..
NONMETAL MINES											
Asbestos	1996	x	x	x	x	x	x	x	x	x	x
	1997P	-	x	x	x	x	x	..	..	..	..
	1998i	-	x	x	x	x	x	..	..	..	..
Peat	1996	-	-	3.1	3.1	11.4	14.5	1.1	4.2	5.4	19.9
	1997P	-	-	2.3	2.3	11.1	13.4	..	..	..	..
	1998i	-	-	x	x	10.0	11.5	..	..	..	..
Gypsum	1996	-	x	x	10.6	10.0	20.5	x	x	x	x
	1997P	x	9.4	x	9.8	4.0	13.8	..	..	..	..
	1998i	x	x	x	12.0	13.8	25.8	..	..	..	..
Potash	1996	x	27.9	x	52.4	52.2	104.6	11.5	122.8	134.4	239.0
	1997P	x	x	x	x	x	166.3	..	..	..	..
	1998i	x	x	x	x	x	129.3	..	..	..	..
Salt	1996	-	x	x	x	x	x	x	x	38.9	73.6
	1997P	-	x	x	x	x	x	..	..	..	..
	1998i	-	x	x	x	x	x	..	..	..	..
Other nonmetal mines	1996	x	5.2	x	23.8	5.7	29.6	x	x	10.2	39.8
	1997P	6.3	33.3	262.6	302.2	40.3	342.5	..	..	..	..
	1998i	9.8	35.3	279.5	324.6	87.2	411.8	..	..	..	..
Total nonmetal mines	1996	1.8	70.7	68.4	140.9	99.5	240.4	18.2	232.9	251.1	491.5
	1997P	6.5	160.1	308.8	475.3	168.4	643.7	..	..	..	..
	1998i	10.2	151.2	329.3	490.6	208.3	698.9	..	..	..	..
Coal mines	1996	3.6	47.2	33.2	84.0	237.5	321.6	12.8	403.5	416.3	737.9
	1997P	9.2	62.7	7.1	79.1	159.4	238.5	..	..	..	..
	1998i	7.1	47.6	18.0	72.7	143.9	216.7	..	..	..	..
Total mines	1996	130.2	942.1	601.9	1 674.2	872.8	2 547.0	148.1	1 624.3	1 772.4	4 319.3
	1997P	177.6	1 107.0	630.7	1 915.3	974.3	2 889.6	..	..	..	..
	1998i	169.4	1 106.5	581.9	1 857.8	900.4	2 752.2	..	..	..	..

Source: Statistics Canada.

.. Not available; i Intentions; P Preliminary actual; x Confidential, included in total.

¹ Excludes crude petroleum and natural gas industries, and quarry and sand pit industries.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the 1980 Standard Industrial Classification. Refer also to Table 61.

TABLE 50. CANADA, CRUDE MINERALS TRANSPORTED BY CANADIAN RAILWAYS, 1994-96

	1994	1995	1996
	(000 tonnes)		
METALLIC MINERALS			
Iron ores and concentrates	37 570	38 660	37 381
Alumina and bauxite	5 180	4 683	3 661
Nickel and nickel-copper ores and concentrates	2 257	2 955	3 499
Zinc ores and concentrates	1 373	1 435	1 265
Copper ores and concentrates	935	1 007	1 057
Lead ores and concentrates	170	186	148
Metallic ores and concentrates, n.e.s.	167	219	338
Total	47 652	49 144	47 349
NONMETALLIC MINERALS			
Potash (KCl)	12 717	13 025	12 246
Gypsum	4 555	3 351	5 297
Sulphur, n.e.s.	3 829	4 657	5 210
Sulphur, liquid	1 460	1 742	1 623
Salt, rock	1 687	1 721	1 847
Limestone, n.e.s.	1 145	1 273	1 302
Phosphate rock	753	987	1 023
Sodium carbonate	424	376	311
Nepheline syenite	328	310	312
Sodium sulphate	257	252	264
Limestone, industrial	147	190	144
Sand, industrial	184	175	151
Clay	85	102	102
Nonmetallic minerals, n.e.s.	104	118	117
Salt, n.e.s.	114	86	81
Limestone, agricultural	83	114	134
Stone, n.e.s.	91	45	76
Abrasives, natural	10	4	6
Barite	6	3	2
Silica	2	2	3
Asbestos	10	1	1
Sand, n.e.s.	...	...	4
Peat and other mosses	3	-	-
Total	27 994	28 535	30 255
MINERAL FUELS			
Coal, bituminous	35 731	38 516	39 470
Coal, lignite	1 133	917	989
Natural gas and other crude bituminous substances	58	43	72
Oil, crude	8	1	3
Coal, n.e.s.	-	1 288	-
Total	36 930	40 765	40 533
Total crude minerals	112 575	118 444	118 137
Total revenue freight ¹ moved by Canadian railways	253 623	253 685	252 081
Crude minerals as a percentage of total revenue freight	44.4	46.7	46.9

Source: Statistics Canada.

- Nil; . . . Amount too small to be expressed; n.e.s. Not elsewhere specified.

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

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

TABLE 51. CANADA, FABRICATED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1994-96

	1994	1995	1996
	(000 tonnes)		
METALLIC MINERAL PRODUCTS			
Ferrous mineral products			
Iron and steel scrap	1 342	1 405	1 554
Sheets and strips, steel	1 357	1 243	1 091
Bars and rods, steel	829	741	858
Ingots, blooms, billets, slabs, iron and steel	553	715	691
Pipes and tubes, iron and steel	515	321	377
Structural shapes and sheet piling, iron and steel	225	241	191
Plates, steel	311	361	378
Rails and railway track material	58	169	197
Castings and forgings, iron and steel	43	58	61
Pig iron	50	28	21
Ferrous alloys	14	15	19
Other primary iron and steel	3	1	3
Wire, iron or steel	2	. . .	2
Total ferrous mineral products	5 301	5 299	5 444
Nonferrous mineral products			
Aluminum and aluminum alloy fabricated material, n.e.s.	1 042	955	881
Zinc and alloys	522	498	539
Aluminum paste, powder, pigs, ingots, shot	450	340	294
Copper and alloys, n.e.s.	381	396	402
Other nonferrous base metals and alloys	124	412	401
Lead and alloys	123	137	144
Slag, dross, etc.	85	120	46
Nonferrous metal scrap	48	50	35
Copper matte and precipitates	1	85	19
Total nonferrous mineral products	2 777	2 994	2 761
Total metallic mineral products	8 078	8 293	8 205
NONMETALLIC MINERAL PRODUCTS			
Fertilizers and fertilizer materials, n.e.s.	2 670	2 754	2 772
Sulphuric acid	3 010	2 571	2 339
Portland cement, standard	1 919	2 025	1 840
Lime, hydrated and quick	179	167	203
Cement and concrete basic products, n.e.s.	93	170	261
Nonmetallic mineral basic products, n.e.s.	116	121	132
Natural stone basic products, chiefly structural	118	93	126
Asbestos and asbestos-cement basic products	16	15	20
Gypsum basic products, n.e.s.	103	116	146
Dolomite and magnesite, calcined	30	35	25
Refractories, n.e.s.	6	4	-
Fire brick and similar shapes	6	4	7
Plaster	2	2	-
Glass basic products	-	4	-
Bricks and tiles, clay	1	2	3
Total nonmetallic mineral products	8 271	8 082	7 873
MINERAL FUEL PRODUCTS			
Refined and manufactured gases, fuel type	1 643	2 129	1 381
Fuel oil, n.e.s.	467	487	492
Diesel fuel	578	600	763
Gasoline	610	660	975
Other petroleum and coal products	612	626	639
Coke, n.e.s.	393	360	373
Petroleum coke	253	288	318
Lubricating oils and greases	246	223	258
Asphalts and road oils	297	300	370
Total mineral fuel products	5 098	5 674	5 569
Total fabricated mineral products	21 447	22 049	21 647
Total revenue freight ¹ moved by Canadian railways	253 623	253 685	252 081
Fabricated mineral products as a percentage of total revenue freight	8.5	8.7	8.6

Source: Statistics Canada.

- Nil; . . . Amount too small to be expressed; n.e.s. Not elsewhere specified.

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

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

TABLE 52. CANADA, CRUDE MINERALS AND FABRICATED MINERAL PRODUCTS TRANSPORTED BY CANADIAN RAILWAYS, 1960-96

	Total Revenue Freight ¹	Total Crude Minerals	Total Fabricated Mineral Products	Total Crude and Fabricated Minerals	Crude and Fabricated Minerals as Percent of Revenue Freight
	(million tonnes)				(%)
1960	142.8	57.1	14.5	71.6	50.1
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	50.6
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	94.8	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	122.3	54.6
1994	253.6	112.6	21.4	134.0	52.8
1995	253.7	118.4	22.0	140.5	55.4
1996	252.1	118.1	21.6	139.8	55.5

Source: Statistics Canada.

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

TABLE 53. CANADA, CRUDE MINERALS LOADED AND UNLOADED IN COASTWISE SHIPPING, 1996

	Loaded					Unloaded				
	Atlantic	St. Lawrence	Great Lakes	Pacific	Total	Atlantic	St. Lawrence	Great Lakes	Pacific	Total
	(tonnes)									
METALLIC MINERALS										
Iron ore and concentrates	–	1 534 531	5 503 375	–	7 037 906	–	7 015 842	22 064	–	7 037 906
Aluminum ores and concentrates	–	–	10 187	–	10 187	–	10 187	–	–	10 187
Lead and zinc ores and concentrates	–	–	–	–	–	–	–	–	–	–
Other ores and concentrates	–	2 392 734	488 930	–	2 881 664	–	2 419 931	461 733	–	2 881 664
Total metallic minerals	–	3 927 265	6 002 492	–	9 929 757	–	9 445 960	483 797	–	9 929 757
NONMETALLIC MINERALS										
Salt	251 256	1 150 587	1 149 732	–	2 551 575	508 319	–	2 043 256	–	2 551 575
Limestone	66 656	143 045	1 996 151	760 829	2 966 681	209 701	–	1 996 151	760 829	2 966 681
Sand and gravel	120 575	–	191 079	1 067 928	1 379 582	120 575	–	191 079	1 067 928	1 379 582
Gypsum	167 300	448 744	212 801	64 148	892 993	828 845	–	–	64 148	892 993
Potash	–	13 358	39 661	–	53 019	–	–	53 019	–	53 019
Sulphur	–	–	–	2 750	2 750	–	–	–	2 750	2 750
Other mineral products (including clays, coal briquettes, greases and asphalt)	714 696	873 193	1 428 392	464 140	3 480 421	804 265	329 686	1 882 331	464 140	3 480 422
Total nonmetallic minerals	1 320 483	2 628 927	5 017 816	2 359 795	11 327 021	2 471 705	329 686	6 165 836	2 359 795	11 327 022
MINERAL FUELS										
Coal and coke	–	60 766	868 947	–	929 713	–	–	929 713	–	929 713
Crude petroleum	206 524	–	–	–	206 524	206 524	–	–	–	206 524
Total mineral fuels	206 524	60 766	868 947	–	1 136 237	206 524	–	929 713	–	1 136 237
Total crude minerals	1 527 007	6 616 958	11 889 255	2 359 795	22 393 015	2 678 229	9 775 646	7 579 346	2 359 795	22 393 016
Total all commodities¹	5 285 997	13 768 625	15 325 017	14 449 502	48 829 141	5 262 415	14 071 182	15 046 042	14 449 502	48 829 141
Crude minerals as a percentage of all products	28.9	48.1	77.6	16.3	45.9	50.9	69.5	50.4	16.3	45.9

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 54. CANADA, FABRICATED MINERAL PRODUCTS LOADED AND UNLOADED IN COASTWISE SHIPPING, 1996

	Loaded					Unloaded				
	Atlantic	St. Lawrence	Great Lakes	Pacific	Total	Atlantic	St. Lawrence	Great Lakes	Pacific	Total
	(tonnes)									
METALLIC MINERAL PRODUCTS										
Iron, steel and alloys	786	2 619	–	–	3 405	–	3 405	–	–	3 405
Aluminum and aluminum products	–	205 432	–	–	205 432	–	205 432	–	–	205 432
Other base-metal products	6 913	19 636	–	–	26 549	1 825	24 724	–	–	26 549
Total metallic mineral products	7 699	227 687	–	–	235 386	1 825	233 561	–	–	235 386
NONMETALLIC MINERAL PRODUCTS										
Cement and related products	96	–	545 031	57 086	602 213	96	35 726	509 305	57 086	602 213
Other fabricated nonmetallic minerals, n.e.s.	7 610	18 501	41 952	166 178	234 241	1 751	11 929	54 383	166 178	234 241
Total nonmetallic mineral products	7 706	18 501	586 983	223 264	836 454	1 847	47 655	563 688	223 264	836 454
MINERAL FUEL PRODUCTS										
Gasoline	1 054 493	717 064	195 380	261 444	2 228 381	773 861	1 040 296	152 780	261 444	2 228 381
Petroleum coke	–	–	–	–	–	–	–	–	–	–
Other fabricated mineral fuels, n.e.s.	1 638 224	1 760 908	683 877	250 876	4 333 885	1 312 991	1 835 355	934 664	250 876	4 333 886
Total mineral fuel products	2 692 717	2 477 972	879 257	512 320	6 562 266	2 086 852	2 875 651	1 087 444	512 320	6 562 267
Total fabricated mineral products	2 708 122	2 724 160	1 466 240	735 584	7 634 106	2 090 524	3 156 867	1 651 132	735 584	7 634 107
Total all commodities ¹	5 285 997	13 768 625	15 325 017	14 449 502	48 829 141	5 262 415	14 071 182	15 046 042	14 449 502	48 829 141
Fabricated mineral products as a percentage of all commodities	51.2	19.8	9.6	5.1	15.6	39.7	22.4	11.0	5.1	15.6

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 55. CANADA, CRUDE MINERALS AND FABRICATED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN COASTWISE SHIPPING, 1960-96

	Total All Commodities ¹	Total Crude Minerals	Total Fabricated Minerals	Crude and Fabricated Minerals as Percentage of All Products
		(000 tonnes)		(%)
1960	37 058	8 786	8 229	45.9
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

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 56. CANADA, CRUDE MINERALS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE,¹ 1994-96

	1994		1995		1996	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
METALLIC MINERALS						
Iron ore and concentrates	31 546 345	6 632 357	30 691 324	6 699 449	29 536 169	7 788 860
Aluminum ores and concentrates	1 021	2 790 712	31 220	2 446 881	28 567	2 601 690
Lead and zinc ores and concentrates	601 580	388 259	783 640	415 720	849 908	519 920
Copper and nickel ores and concentrates	670 937	255 328	939 185	168 953	812 201	248 098
Other ores and base-metal products	1 301 678	361 250	1 555 330	400 049	1 594 910	364 193
Total metallic minerals	34 121 561	10 427 906	34 000 699	10 131 052	32 821 755	11 522 761
NONMETALLIC MINERALS						
Limestone	2 875 794	2 814 057	2 815 335	3 602 497	2 396 173	3 474 739
Sand and gravel	918 918	1 414 958	787 134	1 419 895	1 073 325	1 203 973
Gypsum	6 133 164	316 916	5 857 472	271 811	5 577 586	314 928
Salt	3 447 962	878 756	2 412 967	1 127 848	3 504 958	1 082 158
Sulphur	3 849 700	—	4 879 719	176	5 191 846	19 824
Potash	6 311 041	10 727	6 508 978	20	5 786 119	22 101
Other mineral products (including clays, coal briquettes, greases and asphalt)	2 891 011	2 722 029	3 225 573	2 830 985	1 981 952	3 005 900
Total nonmetallic minerals	26 428 590	8 157 443	17 027 237	3 959 029	16 464 875	4 129 983
MINERAL FUELS						
Coal and coke	31 626 517	9 802 904	33 984 947	10 396 728	34 176 597	12 633 941
Crude petroleum	2 246 574	23 797 499	5 630 238	25 653 074	4 441 733	26 174 392
Other mineral fuels	—	—	—	—	—	—
Total mineral fuels	33 873 091	33 600 403	39 615 185	36 049 802	38 618 330	38 808 333
Total crude mineral products	94 423 242	52 185 752	90 643 121	50 139 883	87 904 960	54 461 077
Total all commodities ¹	169 462 571	77 840 797	176 539 763	83 175 680	174 306 180	85 791 564
Crude minerals as a percentage of all commodities	55.7	67.0	51.3	60.3	50.4	63.5

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 57. CANADA, FABRICATED MINERAL PRODUCTS LOADED AND UNLOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE,¹ 1994-96

	1994		1995		1996	
	Loaded	Unloaded	Loaded	Unloaded	Loaded	Unloaded
	(tonnes)					
METALLIC MINERAL PRODUCTS						
Iron, steel and alloys	1 193 744	3 501 487	1 648 013	2 739 600	1 357 807	2 719 410
Nonferrous metals, n.e.s.	1 058 252	3 814 232	1 020 791	3 598 281	1 063 039	3 891 720
Total metallic mineral products	2 251 996	7 315 719	2 688 804	6 337 881	2 420 846	6 611 130
NONMETALLIC MINERAL PRODUCTS						
Cement and related products	2 667 688	199 900	2 859 091	202 185	3 154 880	196 940
Other nonmetallic minerals, n.e.s.	1 624 995	1 556 758	1 548 101	1 527 491	2 250 694	1 469 196
Total nonmetallic mineral products	4 292 683	1 756 658	4 407 192	1 729 676	5 405 574	1 666 136
MINERAL FUEL PRODUCTS						
Gasoline	3 459 307	1 798 525	3 340 924	1 537 104	4 124 542	1 740 355
Fuel oil	3 568 220	2 287 097	3 424 489	2 246 242	3 626 419	2 066 515
Coke, petroleum and coal products	480 261	973 584	434 171	1 033 607	321 018	1 087 596
Other mineral fuels, n.e.s.	1 672 125	1 186 235	2 070 255	1 253 666	2 681 191	818 069
Total mineral fuel products	9 179 913	6 245 441	9 269 839	6 070 619	10 753 170	5 712 535
Total fabricated mineral products	15 724 592	15 317 818	16 345 835	14 138 176	18 579 590	13 989 801
Total all commodities ¹	169 462 571	77 840 797	176 539 763	83 175 680	174 306 180	85 791 564
Fabricated mineral products as a percentage of all commodities	9.3	19.7	9.3	17.0	10.7	16.3

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 58. CANADA, CRUDE MINERALS AND FABRICATED MINERAL PRODUCTS LOADED AT CANADIAN PORTS IN INTERNATIONAL SHIPPING TRADE, 1960-96

	Total All Commodities ¹	Total Crude Minerals	Total Fabricated Minerals	Crude and Fabricated Minerals as Percentage of All Products
	(000 tonnes)			(%)
1960	45 872	24 671	2 039	58.2
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	90 643	16 346	60.6
1996	174 306	87 905	18 580	61.1

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 59. CANADA, CAPITAL AND REPAIR EXPENDITURES BY SELECTED INDUSTRIAL SECTOR, 1996-98

		Capital Expenditures			Repair Expenditures ¹		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Agriculture and related service industries	1996	1 362.6	2 381.3	3 743.9	542.8	1 664.4	2 207.3
	1997 ^p	1 438.2	2 637.1	4 075.3	..	..	..
	1998 ⁱ	1 562.7	2 809.9	4 372.6	..	..	..
Fishing and trapping	1996	43.2	59.6	102.8	32.2	127.6	159.8
	1997 ^p	44.5	59.7	104.2	..	..	..
	1998 ⁱ	45.5	60.4	105.9	..	..	..
Logging and forestry	1996	99.3	274.8	374.0	25.9	303.3	329.2
	1997 ^p	119.7	198.5	318.2	..	..	..
	1998 ⁱ	197.0	208.5	405.4	..	..	..
Mining ²	1996	12 641.4	2 410.8	15 052.3	405.6	2 264.3	2 670.0
	1997 ^p	15 087.8	3 422.6	18 510.4	..	..	..
	1998 ⁱ	15 824.9	3 496.6	19 321.6	..	..	..
Manufacturing	1996	3 720.1	14 527.2	18 247.3	1 110.7	7 205.5	8 316.2
	1997 ^p	2 929.3	16 218.8	19 148.2	..	..	..
	1998 ⁱ	2 636.4	16 710.3	19 346.7	..	..	..
Construction	1996	276.3	1 715.5	1 991.8	64.6	1 063.1	1 127.7
	1997 ^p	308.7	1 917.1	2 225.8	..	..	..
	1998 ⁱ	331.9	2 062.4	2 394.3	..	..	..
Transportation and storage	1996	2 673.9	3 430.2	6 104.1	1 335.6	3 348.0	4 683.6
	1997 ^p	3 220.6	4 107.1	7 327.7	..	..	..
	1998 ⁱ	4 439.9	4 335.1	8 775.0	..	..	..
Communications and other utilities	1996	6 793.9	6 582.3	13 376.2	1 317.0	2 637.6	3 954.7
	1997 ^p	7 097.1	7 709.5	14 806.6	..	..	..
	1998 ⁱ	7 607.6	8 542.3	16 149.9	..	..	..
Wholesale and retail trade	1996	730.9	1 808.7	2 539.5	204.4	540.7	745.1
	1997 ^p	701.8	2 280.1	2 981.8	..	..	..
	1998 ⁱ	811.6	2 070.4	2 882.0	..	..	..
Housing	1996	35 575.2	–	32 575.2	4 309.3	–	4 309.3
	1997 ^p	37 973.0	–	37 973.0	..	..	..
	1998 ⁱ	41 102.5	–	41 102.5	..	..	..
Total ³	1996	80 288.1	54 983.0	135 271.2	15 026.6	22 085.8	95 314.7
	1997 ^p	88 166.4	63 625.6	151 792.0	..	..	..
	1998 ⁱ	94 026.4	67 135.4	161 161.8	..	..	..
Mining as a percentage of total	1996	15.7	4.4	11.1	2.7	10.3	2.8
	1997 ^p	17.1	5.4	12.2	..	..	..
	1998 ⁱ	16.8	5.2	12.0	..	..	..

Source: Statistics Canada.

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

¹ Repair data are not available for 1996 and 1997. 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 60. CANADA, CAPITAL AND REPAIR EXPENDITURES IN THE MINERAL INDUSTRY¹ BY PROVINCE AND TERRITORY, 1996-98

		Capital Expenditures			Repair Expenditures ²		
		Construction	Machinery and Equipment	Total	Construction	Machinery and Equipment	Total
(\$ millions)							
Newfoundland	1996	953.8	60.1	1 013.9	x	x	164.2
	1997 ^P	939.8	57.8	997.6	..	..	..
	1998 ⁱ	1 055.5	138.4	1 193.9	..	..	..
Nova Scotia	1996	41.4	32.2	73.6	2.6	39.7	42.3
	1997 ^P	161.0	31.5	192.5	..	..	..
	1998 ⁱ	536.9	45.4	582.2	..	..	..
New Brunswick	1996	42.8	33.7	76.4	8.1	86.0	94.2
	1997 ^P	x	x	x	..	..	..
	1998 ⁱ	x	x	x	..	..	..
Quebec	1996	547.3	179.8	727.1	39.1	294.2	333.3
	1997 ^P	481.8	151.7	633.5	..	..	..
	1998 ⁱ	577.5	88.5	666.1	..	..	..
Ontario	1996	505.4	178.9	684.3	59.8	389.6	449.3
	1997 ^P	404.5	368.1	772.6	..	..	..
	1998 ⁱ	389.7	250.3	640.0	..	..	..
Manitoba	1996	168.1	31.8	199.8	3.3	63.6	670.0
	1997 ^P	184.0	33.9	217.9	..	..	..
	1998 ⁱ	139.8	31.3	171.7	..	..	..
Saskatchewan	1996	1 378.5	174.5	1 553.0	38.2	115.1	153.2
	1997 ^P	2 142.2	291.7	2 434.0	..	..	..
	1998 ⁱ	2 006.7	293.6	2 300.3	..	..	..
Alberta	1996	7 834.8	1 467.2	9 302.0	210.9	690.2	901.1
	1997 ^P	9 099.8	2 152.2	11 252.3	..	..	..
	1998 ⁱ	9 316.4	2 341.6	11 658.0	..	..	..
British Columbia	1996	1 108.4	244.0	1 352.4	34.3	389.4	423.6
	1997 ^P	1 245.7	293.5	1 539.2	..	..	..
	1998 ⁱ	1 333.1	206.0	1 539.1	..	..	..
Yukon	1996	2.0	0.1	2.1	x	x	0.3
	1997 ^P	x	x	x	..	..	..
	1998 ⁱ	x	x	x	..	..	..
Northwest Territories	1996	59.0	8.6	67.6	3.7	37.6	41.4
	1997 ^P	348.5	4.8	353.3	..	..	..
	1998 ⁱ	370.0	68.3	438.4	..	..	..
Total Canada	1996	1 674.2	872.8	2 547.0	148.1	1 624.3	1 772.4
	1997 ^P	1 915.3	974.3	2 889.6	..	..	..
	1998 ⁱ	1 857.8	900.4	2 758.2	..	..	..

Source: Statistics Canada.

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

¹ Includes mines, quarries and oil wells. ² Repair data are not available for 1996 and 1997.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the 1980 Standard Industrial Classification. Refer also to Table 48.

TABLE 61. CANADA, CAPITAL AND REPAIR¹ EXPENDITURES IN THE MINERAL AND MINERAL MANUFACTURING INDUSTRIES, 1996-98

	1996		Total	1997 ^p	1998 ⁱ
	Capital	Repair		Capital	Capital
(\$ millions)					
MINERAL EXTRACTION					
Metal mines					
Gold	622.6	262.3	884.9	608.1	590.3
Copper and copper-zinc	317.7	204.4	522.2	282.0	288.4
Nickel-copper	548.7	x	x	512.1	295.2
Silver-lead-zinc	91.3	x	x	144.7	151.6
Uranium	x	x	165.1	x	x
Iron	216.7	267.0	483.7	202.4	271.0
Other metal mines	39.1	25.4	64.5	19.0	23.9
Total	1 984.9	1 105.0	3 089.9	2 007.4	1 842.6
Nonmetal mines					
Asbestos	x	x	x	x	x
Peat	14.5	5.4	19.9	13.4	11.5
Gypsum	20.5	x	x	13.8	25.8
Potash	104.6	134.4	239.0	166.3	129.3
Salt	x	x	x	x	x
Other nonmetal mines	29.6	10.2	39.8	342.5	411.8
Coal	321.6	416.3	737.9	238.5	216.7
Total	240.4	251.1	491.5	643.7	698.9
Quarries and sand pits	69.6	108.1	177.7	138.8	108.4
Crude petroleum and natural gas	11 623.3	725.0	12 348.3	14 471.0	15 381.1
Service industries incidental to mineral extraction	812.4	64.5	876.9	1 011.0	1 073.9
Total mineral industry	14 730.6	2 253.7	16 984.3	18 271.9	19 104.9
MINERAL MANUFACTURING					
Primary metal industries					
Primary steel	542.3	954.8	1 497.0	705.8	636.5
Steel pipe and tube mills	46.3	74.8	121.1	168.8	71.9
Iron foundries	46.5	81.9	128.4	63.2	86.2
Smelting and refining	689.4	506.6	1 195.9	835.1	610.6
Aluminum rolling, casting and extruding	95.1	73.4	168.5	96.9	148.6
Copper and copper alloy, rolling, casting and extruding	8.4	12.9	21.2	14.5	49.4
Metal rolling, casting and extruding	107.1	40.7	14.7	202.1	151.1
Total	1 534.9	1 745.1	3 279.9	2 086.4	1 754.4
Nonmetallic mineral products					
Clay products	17.5	8.7	26.2	14.7	18.8
Cement	46.7	100.2	146.9	128.1	204.8
Concrete products	26.1	19.0	45.1	29.9	24.2
Ready-mix concrete	89.0	98.1	187.2	86.3	122.4
Glass and glass products	109.0	42.5	151.5	96.3	91.1
Abrasives	14.8	9.6	24.4	8.2	10.9
Lime	11.6	9.5	21.1	8.8	8.0
Other nonmetallic mineral products	57.7	46.9	104.6	58.8	75.5
Total	372.4	334.5	707.0	431.0	555.8
Metal-fabricating industries					
Power boiler and heat exchanger	11.6	6.9	18.6	19.3	23.2
Fabricated structural metal	84.2	53.3	137.5	78.0	93.8
Ornamental and architectural metal	49.4	33.7	83.1	42.3	46.5
Metal stamping, pressing and coating	93.8	126.9	220.7	188.0	206.0
Wire and wire products	62.0	43.7	105.7	83.5	94.7
Hardware, tool and cutlery	115.4	24.6	140.0	181.8	141.4
Heating equipment	18.2	10.8	29.0	30.9	41.4
Machine shops	166.9	25.7	192.5	76.3	86.4
Miscellaneous metal fabricating	153.8	28.4	182.2	87.9	95.0
Total	755.4	354.0	1 109.4	788.0	828.3
Petroleum and coal products					
Refined petroleum products	394.4	227.9	622.3	322.5	427.2
Other petroleum products	32.4	12.5	45.0	27.3	13.3
Total	426.8	240.4	667.2	349.8	440.5
Total mineral manufacturing industries	2 334.1	2 320.0	4 654.1	2 867.2	2 750.7
Total mineral and mineral manufacturing industries	17 064.7	4 573.7	21 638.4	21 139.1	21 855.6

Source: Statistics Canada.

ⁱ Intentions; ^p Preliminary actual; x Confidential.¹ Repair data are not available for 1997 and 1998.

Notes: Numbers may not add to totals due to rounding. Capital and repair expenditures are based on the 1980 Standard Industrial Classification. Refer also to Table 49.