

Principal Canadian Nonferrous and Precious Metal Mine Production in 1994

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PRINCIPAL CANADIAN NONFERROUS AND PRECIOUS METAL MINE PRODUCTION IN 1994

Company and Mine Name	Capacity	Grades of Ore Milled						Ore Milled	Metal Contained in All Concentrates Produced						
		Cu	Ni	Pb	Zn	Ag	Au		Copper	Nickel	Lead	Zinc	Silver	Gold	
	(tonnes per day)	(percent)						(tonnes)	(tonnes)						(kilograms)
NEWFOUNDLAND															
Royal Oak Mines Inc. Hope Brook mine Couteau Bay	3 495	0.44	-	-	-	0.45	3.05	1 113 240	660	-	-	-	346	2 789	
NEW BRUNSWICK															
Brunswick Mining and Smelting Corporation Limited No. 12 mine Bathurst	10 500	0.30	-	3.50	9.10	109.71	-	3 833 220	9 985	-	88 488	300 048	274 591	-	
Noranda Minerals Inc. Heath Steele mine Bathurst	2 420	0.93	-	1.33	5.41	65.86	-	198 490	1 228	-	1 062	8 386	5 084	-	
QUEBEC															
Agnico-Eagle Mines Limited LaRonde mine Cadillac	2 000	1.00	-	-	-	27.43	8.57	562 650	4 672	-	-	-	9 221	4 653	
Aur Resources Inc. Dumont, Ferderber, Kierens mines and custom milling Val-d'Or	1 360	-	-	-	-	0.50	3.97	366 950	-	-	-	-	160	1 186	
Aurizon Mines Ltd. - Cambior inc. joint venture Sleeping Giant mine Amos	900	-	-	-	-	13.71	11.49	122 107	-	-	-	-	1 236	1 338	
Barrick Gold Corporation Bousquet No. 1 mine Cadillac	1 500	-	-	-	-	3.52	5.81	218 550	-	-	-	-	535	1 220	
Bousquet No. 2 mine Malartic	1 680	0.71	-	-	-	9.60	9.60	646 550	4 380	-	-	-	5 860	5 380	
Billiton Metals Canada Inc. Les Mines Selbaie OP and UG mines Joutel	6 650	0.70	-	0.10	2.40	37.37	0.55	2 881 220	18 841	-	2 290	60 911	75 989	1 230	
Cambior inc. Doyon mine Val-d'Or	3 290	-	-	-	-	1.73	6.41	1 200 659	-	-	-	-	1 813	7 405	
Chimo and Mouska mines Rouyn-Noranda	1 200	-	-	-	-	1.50 ^e	4.60	400 000	-	-	-	-	386	1 643	
Campbell Resources Inc. Joe Mann mine Chibougamau	1 315	0.23	-	-	-	4.32	7.99	263 084	571	-	-	-	795	1 934	

ITEC-Mineral Inc. Manitou tailings operation Val-d'Or	700	-	-	-	-	18.14	0.75	96 488	-	-	-	-	466	49
Metall Mining Corporation- Thunderwood Resources Inc. joint venture Donalda mine Rouyn-Noranda	450	-	-	-	-	-	4.60	45 680	-	-	-	-	-	200
MSV Resources Inc. Copper Rand and Portage mines Chibougamau	2 800	1.33	-	-	-	6.58	3.77	478 282	6 246	-	-	-	2 087	1 630
Noranda Minerals Inc. Division Mines Gaspé Copper Mountain and Needle Mountain mines Murdochville	10 000	1.68	-	-	-	10.63	0.10	1 291 468	20 655	-	-	-	11 263	33
Matagami Division Isle Dieu and Norita East mines Mattagami Lake	2 175	1.00	-	0.23	14.90	65.62	0.72	613 530	5 706	-	1 119	87 150	30 396	365
Noranda Minerals Inc.- Cambior inc. joint venture Sildor mine Rouyn-Noranda	1 100	-	-	-	-	1.82	5.56	441 000	-	-	-	-	730	2 320
Novicourt Inc.- Aur Resources Inc.- Teck Corporation joint venture Louvicourt mine Val-d'Or	3 630	3.7	-	-	2.10	34.29	1.27	291 480	10 132	-	-	4 565	6 739	252
Placer Dome Inc. Kiena mine Sigma mine Val-d'Or	1 400 1 600	- -	- -	- -	- -	0.82 1.05	5.35 5.11	505 000 551 000	- -	- -	- -	- -	355 456	2 583 2 648
Richmont Mines Inc. Francoeur mine Rouyn-Noranda	1 135	-	-	-	-	0.61	6.48	175 000	-	-	-	-	96	1 083
TVX Gold Inc. Casa Berardi East and West mines La Sarre	2 000	-	-	-	-	1.43	5.79	607 000	-	-	-	-	731	3 113
Western Quebec Mines Inc. Joubi mine Val-d'Or	100	-	-	-	-	0.79	4.77	57 100	-	-	-	-	49	260
Yorbeau Resources Inc. Astoria mine Rouyn-Noranda	500	-	-	-	-	0.50	5.40	47 240	-	-	-	-	24	194
ONTARIO														
AJ Perron Gold Corp. Kerr mine Virginiatown	1 995	-	-	-	-	0.45	4.11	215 000	-	-	-	-	65	630

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		Cu	Ni	Pb	Zn	Ag	Au		Copper	Nickel	Lead	Zinc	Silver	Gold
		(percent)							(tonnes)					
									(kilograms)					
ONTARIO (cont'd)														
Barrick Gold Corporation Holt-McDermott mine Kirkland Lake	1 360	-	-	-	-	0.79	5.31	367 590	-	-	-	-	171	1 863
Golden Patricia mine Pickle Lake	375	-	-	-	-	2.34	17.21	141 884	-	-	-	-	323	2 382
Macassa Division Macassa mine	1 200	-	-	-	-	1.45	11.76	55 520	-	-	-	-	63	618
Lake Shore tailings operation Kirkland Lake	-	-	-	-	-	0.41	2.78	374 030	-	-	-	-	78	795
Falconbridge Limited Sudbury operations (6 mines) Sudbury	7 900	2.05	1.81	-	-	9.19	0.28	2 450 306	48 467	38 456	-	-	20 423	561
Timmins operations Kidd Creek mines Timmins	11 235	2.59	-	0.09	4.07	43.30	-	3 321 838	82 482	-	1 969	117 616	114 010	-
Goldcorp Inc. Red Lake mine Red Lake	815	-	-	-	-	1.03	8.57	288 485	-	-	-	-	229	2 197
Hemlo Gold Mines Inc. Golden Giant mine Marathon	3 000	-	-	-	-	0.75	13.06	1 107 300	-	-	-	-	737	13 900
Hemlo Gold Mines Inc. - Teck Corporation - Homestake Canada Inc. joint venture Quarter Claim mine Marathon	450	-	-	-	-	0.45	9.62	103 900	-	-	-	-	42	964
Inco Limited Sudbury mine Sudbury	36 290	1.13	1.18	-	-	6.17	0.21	7 963 970	84 638	75 280	-	-	38 930	908
Kinross Gold Corporation Hoyle Pond mine Timmins	400	-	-	-	-	0.97	14.74	133 356	-	-	-	-	117	1 924
Metall Mining Corporation Winston Lake mine Winston Lake	1 000	1.04	-	-	14.65	29.73	1.65	358 338	3 419	-	-	50 244	6 887	307
Noranda Minerals Inc. Geco Division Geco mine Manitouwadge	3 900	2.13	-	-	3.17	49.71	0.17	798 776	16 056	-	-	19 476	29 752	69
North American Palladium Ltd. - The Sheridan Platinum Group joint venture Lac-des-Îles mine Thunder Bay	2 270	0.10	0.10	-	-	-	0.34	551 024	368	304	-	-	-	106

Northfield Minerals Inc. Cheminis mine Virginiatown	270	-	-	-	-	1.00	3.74	57 680	-	-	-	-	46	194
Placer Dome Inc. Campbell mine Red Lake	1 360	-	-	-	-	1.51	21.19	485 000	-	-	-	-	688	10 052
Detour Lake mine Detour Lake	2 400	-	-	-	-	1.45	4.70	895 000	-	-	-	-	1 174	3 874
Dome mine South Porcupine	2 722	-	-	-	-	0.72	3.70	1 534 000	-	-	-	-	1 028	5 444
Ross-Finlay Ltd. Dona Lake mine Pickle Lake	455	-	-	-	-	1.23	7.40	89 267	-	-	-	-	89	559
Royal Oak Mines Inc. Timmins Division	3 265	-	-	-	-	1.40	2.37	1 224 706	-	-	-	-	429	2 595
St. Andrew Goldfields Ltd. Stock Township and Hislop East mines Timmins	500	-	-	-	-	5.25	1.34	131 450	-	-	-	-	149	652
Teck Corporation - Homestake Canada Inc. joint venture David Bell mine	1 000	-	-	-	-	0.45	13.71	464 932	-	-	-	-	150	6 012
Williams mine Marathon	6 000	-	-	-	-	0.48	6.31	2 302 888	-	-	-	-	815	13 851
MANITOBA														
Granduc Mining Corporation - Black Hawk Mining Inc. joint venture BT mine Lynn Lake	1 200	-	-	-	-	1.71	2.71	351 500	-	-	-	-	482	826
Hudson Bay Mining and Smelting Co., Limited (4 mines) Flin Flon and Snow Lake area	7 540	1.60	-	0.27	5.71	27.10	1.96	1 294 100	18 781	-	2 428	66 366	23 438	1 812
Ruttan mine Leaf Rapids	5 200	1.17	-	-	1.25	11.21	0.41	1 968 410	21 482	-	-	20 352	13 341	419
Inco Limited Thompson mine and Birchtree mine Thompson	15 000	0.16	2.60	-	-	4.46	0.14	1 709 136	2 508	39 941	-	-	4 846	149
SASKATCHEWAN														
Claude Resources Inc. Seabee mine La Ronge	455	-	-	-	-	2.76	9.43	177 785	-	-	-	-	344	1 576

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		Cu	Ni	Pb	Zn	Ag	Au		Copper	Nickel	Lead	Zinc	Silver	Gold
	(tonnes per day)	(percent)						(tonnes)	(tonnes)					
									(kilograms)					
BRITISH COLUMBIA														
Bethlehem Resources Corporation - Goldneve Resources Inc. joint venture Goldstream mine Revelstoke	1 200	4.05	-	-	2.70	42.99	0.05	351 312	13 100	-	-	1 569	4 532	6
BHP Minerals Canada Ltd. Island Copper mine Port Hardy	49 895	0.34	-	-	-	1.61	0.13	18 476 632	53 914	-	-	-	14 961	1 175
Candorado Operating Company Ltd. Hedley Tailings Heap Leach Operation Hedley	2 040	-	-	-	-	-	1.34	50 077	-	-	-	-	-	60
Cominco Ltd. Snip mine Stewart	272	-	-	-	-	3.77	25.37	172 200	-	-	-	-	545	3 824
Sullivan mine Kimberley	9 070	-	-	4.10	7.40	18.86	-	1 613 100	-	-	57 876	111 570	25 044	-
Equity Silver Mines Ltd. Equity Silver mine Houston	9 000	0.24	-	-	-	52.73	2.21	51 437	108	-	-	-	2 259	42
Gibraltar Mines Limited Gibraltar mine	36 285	0.28	-	-	-	0.072	-	3 719 457	6 953	-	-	-	136	-
Waste rock operation McLeese Lake	28 200	0.09	-	-	-	-	-	10 295 640	2 317	-	-	-	-	-
Highland Valley Copper (Partnership of Cominco Ltd. - Rio Algom Limited - Teck Corporation) Logan Lake	132 995	0.42	-	-	-	2.79	0.02	43 483 988	166 669	-	-	-	60 621	395
Homestake Canada Inc. Nickel Plate mine Hedley	3 630	-	-	-	-	0.93	2.40	1 270 060	-	-	-	-	835	2 554
International Skyline Gold Corporation Johnny Mountain mine Terrance	270	-	-	-	-	1.71	16.11	31 751	-	-	-	-	49	489
North American Metals Corp. Golden Bear mine Telegraph Creek	365	-	-	-	-	4.04	12.09	88 904	-	-	-	-	288	967
Princeton Mining Corporation Similco mine Princeton	22 680	0.27	-	-	-	0.74	0.17	2 752 400	5 565	-	-	-	1 021	230

Teck Corporation Afton-Ajax Kamloops	8 700	0.43	-	-	-	0.69	0.31	940 478	3 578	-	-	-	438	218
Westmin Resources Limited H-W and Lynx mines Buttle Lake	3 990	1.94	-	0.20	2.80	27.21	1.91	251 560	4 302	-	391	5 502	4 767	179
Premier Gold mine Stewart	2 000	-	-	-	-	71.11	3.28	164 174	-	-	-	-	5 278	522
NORTHWEST TERRITORIES														
CAN-Mac Exploration Ltd. Mon mine Yellowknife	90	-	-	-	-	-	14.0	1 500	-	-	-	-	-	20
Cominco Ltd. Polaris mine Little Cornwallis Island	2 050	-	-	3.40	12.90	-	-	1 028 600	-	-	33 535	128 231	-	-
Echo Bay Mines Ltd. Lupin mine Contwoyto Lake	2 090	-	-	-	-	1.51	8.16	740 263	-	-	-	-	1 032	5 600
Miramar Mining Corporation Miramar Con mine Yellowknife	1 090	-	-	-	-	2.91	13.17	318 304	-	-	-	-	822	3 904
Nanisivik Mines Ltd. Nanisivik mine Baffin Island	1 950	-	-	0.30	7.20	30.00	-	756 400	-	-	1 763	51 264	16 494	-
Royal Oak Mines Inc. Colomac mine Indin Lake	9 070	-	-	-	-	0.23	1.61	893 660	-	-	-	-	174	1 260
Giant mine Yellowknife	1 090	-	-	-	-	1.83	9.05	390 305	-	-	-	-	556	3 138
Treminco Resources Ltd. Ptarmigan and Tom mines Yellowknife	225	-	-	-	-	7.54	7.20	23 587	-	-	-	-	85	152
Total Canada	509 362	0.53	0.14	0.19	0.86	9.09	1.28	135 788 452	617 783	153 981	190 921	1 033 250	828 191	143 465

Sources: Natural Resources Canada; federal-provincial annual survey of mines and mills/concentrators; and company reports.

OP Open-pit; UG Underground.

- Nil; * Estimated.

Notes: Not included in the above are several small mine/mill operations and operations that were not officially in production in 1994, or for which no information was available to enable the completion of a reliable, production assessment. The overall contribution to the Canadian production total in 1994 from these omitted operations is estimated to be about 1%. In October 1994, Deak Resources Corporation's name changed to AJ Perron Gold Corp.; on January 1, 1995, Noranda Minerals Inc. split into Noranda Mining and Exploration Inc. and Noranda Metallurgy Inc.; on January 17, 1995, American Barrick Resources Corporation's name changed to Barrick Gold Corporation; on February 27, 1995, Bethlehem Resources Corporation merged with Imperial Metals Corporation; on May 2, 1995, Kinross Gold Corporation acquired the Macassa gold mine from Barrick Gold Corporation; on May 4, 1995, Metall Mining Corporation's name changed to Inmet Mining Corporation.