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CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
MINING, METALLURGICAL & CHEMICAL BRANCH

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**FINALLY REVISED STATISTICS  
ON THE  
MINERAL PRODUCTION OF  
CANADA**

**1939**



OTTAWA  
1940

Price 25 cents

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OTTAWA - CANADA

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FINALLY REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA DURING 1939.

According to finally revised data issued by the Dominion Bureau of Statistics, Ottawa, the Canadian mineral production in 1939 totalled \$474,602,059 compared with a corresponding total of \$441,823,237 in the preceding year. This represents an increase of 7.4 per cent and reflects the almost general expansion in production and new development recently experienced throughout the entire industry. The value of the 1939 output was the highest ever recorded in the history of Canadian mining. Distinct increases over 1938 were realized by all the major divisions of the industry. The value of metals and metallic ores amounted to \$343,506,123 as compared with \$323,075,154 in 1938. Coal, petroleum and other fuels totalled \$70,671,328 against \$64,803,294; asbestos, gypsum and other industrial minerals were valued at \$25,061,849, an increase of \$4,995,726, while clay products, cement, stone and other structural materials increased from \$33,878,666 in 1938 to a total of \$35,362,759.

In order of the value of their production, Ontario, Quebec and British Columbia were the leading mineral producing provinces in 1939. The values of these particular outputs were, respectively, \$232,519,948; \$77,335,998 and \$65,216,745. Production in Nova Scotia totalled \$30,746,200; Alberta, \$30,691,617; Manitoba \$17,137,930; Saskatchewan, \$8,794,090; Yukon, \$4,961,321; New Brunswick, \$3,929,453 and Northwest Territories, \$3,248,777.

Outstanding contributors of mineral wealth in the Dominion during 1939 were the gold mines and base metal mines. Canadian gold production during the year under review reached an all-time high peak of 5,094,379 fine ounces valued at \$184,115,951. The great and rapid increase in gold production and its relatively great economic importance both to the mining industry as a whole and to the nation is emphasized in a comparison of its 1939 value with the value of Canada's entire mineral output in 1928, which totalled \$184,297,242 in that particular year.

Based on preliminary statistics of world production, Canada probably ranked second as a gold producing country in 1939. High production records in base metals were established in 1939 for copper, nickel and zinc, the combined values of which aggregated \$111,855,164. Lead output at 388,569,550 pounds and \$12,313,768 represented a decrease from the preceding year's production of 418,927,660 pounds at \$14,008,941. In 1939, for the first time in several years, the commercial production of iron ore was reported; this came from the New Helen mine in the Michipicoten district of Ontario. Other interesting developments in the metal mining industries included the production of tungsten concentrates in British Columbia and the opening up of an important mercury deposit at Pinchi Lake in the same province.

The fuel industries were featured in 1939 by a continued and important increase in the production of petroleum chiefly from Alberta wells. Coal production increased 8.7 per cent over the 1938 output. Increases were recorded in all coal producing provinces excepting Saskatchewan and Manitoba. Natural gas output was a record. The total value of all fuels produced amounted to \$70,671,328, an increase of 9.1 per cent when compared with the preceding year.

Among the more important industrial minerals, asbestos production marked an increase of 25.8 per cent over 1938; output totalled 364,472 tons valued at \$15,859,212. Other outstanding minerals in this group showing increases included gypsum, mica, sulphur and sodium sulphate. Brick and other clay products were appraised at \$5,151,236, an encouraging increase from \$4,536,084 in 1938. Other structural materials to show increases over the preceding year were cement, stone and lime.

An outstanding event in Canada's Mining History was an agreement made in 1939 by the large base metal producers and the Imperial Government by which the producers were to supply the Imperial Government with copper, lead and zinc at prices which prevailed shortly before the outbreak of the war. Canada can now furnish large quantities of these metals in the refined form, whereas in 1914 no refined copper, nickel or zinc and only a comparatively small amount of refined lead were produced in this country.

FINALLY REVISED FIGURES ON THE MINERAL

		Nova Scotia	New Brunswick	Quebec	Ontario
<b>METALLICS</b>					
Antimony .....	lb.	1,200(a)	...	...	...
	\$	148	...	...	...
Arsenic ( $As_2O_3$ ) .....	lb.	...	...	(b)	1,741,917
	\$	...	...	(b)	52,257
Bismuth .....	lb.	...	...	...	...
	\$	...	...	...	...
Cadmium .....	lb.	...	...	...	...
	\$	...	...	...	...
Chromite .....	ton	...	...	...	...
	\$	...	...	...	...
Cobalt .....	lb.	...	...	...	732,561
	\$	...	...	...	1,213,454
Copper .....	lb.	1,269,179	...	117,238,897	328,429,665
	\$	128,086	...	11,831,749	32,637,305
Gold .....	fine oz. (standard) \$	29,943 618,977	...	953,377 19,708,051	3,086,076 63,794,851
Estimated exchange equalization on gold produced .....	\$	463,193	...	14,747,947	47,739,022
Iron ore .....	short ton	...	...	...	123,598
	\$	...	...	...	341,594
Lead .....	lb.	2,545,122	...	...	39,130
	\$	80,655	...	...	1,240
Manganese ore .....	ton	4	392	...	...
	\$	88	3,600	...	...
Mercury .....	lb.	...	...	...	...
	\$	...	...	...	...
Molybdenite (concentrates) .....	lb.	...	...	2,240	482
	\$	...	...	600	216
Nickel .....	lb.	...	...	...	226,105,865
	\$	...	...	...	50,920,305
Palladium, Rhodium, Iridium, etc. ....	fine oz. \$	...	...	...	135,402 4,199,622
Platinum .....	fine oz. \$	...	...	...	148,877
Radium and uranium (products) .....	\$	...	...	...	5,221,712
Selenium .....	lb.	...	...	23,841	128,930
	\$	...	...	42,175	224,539
Silver .....	fine oz. \$	173,877 70,399	...	1,167,444 472,675	4,689,422 1,898,653
Tellurium .....	lb.	...	...	2,940	...
	\$	...	...	4,769	...
Titanium ore .....	ton	...	...	5,694	...
	\$	...	...	21,267	...
Tungsten concentrates .....	lb.	...	...	...	...
	\$	...	...	...	...
Zinc .....	lb.	9,152,856	...	28,758,759	...
	\$	280,901	...	882,606	...
<b>TOTAL METALLICS</b> .....	\$	<b>1,642,447</b>	<b>3,600</b>	<b>47,711,839</b>	<b>208,244,770</b>
(a) In ore exported.					
<b>NON-METALLICS</b>					
<b>Fuels</b>					
Coal .....	ton	7,051,176	468,421	...	...
	\$	25,611,271	1,566,359	...	...
Natural Gas .....	M cu.ft.	...	606,382	...	11,966,581
	\$	...	292,403	...	7,261,928
Peat .....	ton	...	...	...	445
	\$	...	...	...	2,445
Petroleum, crude .....	brl.	...	22,799	...	206,379
	\$	...	52,082	...	401,430
<b>Total Fuels</b> .....	\$	<b>25,611,271</b>	<b>1,890,844</b>	<b>...</b>	<b>7,665,803</b>

PRODUCTION OF CANADA, BY PROVINCES, 1939.

Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
...	...	...	1,224,385	...	...	1,225,585
...	...	...	151,321	...	...	151,469
...	...	...	...	...	...	1,741,917
...	...	...	...	...	...	52,257
...	...	...	409,449	...	...	409,449
...	...	...	466,362	...	...	466,362
73,830	66,608	...	799,253	...	...	939,691
52,029	46,939	...	563,241	...	...	662,209
...	...	...	...	...	...	...
...	...	...	...	...	...	732,561
...	...	...	...	...	...	1,213,454
70,458,890	18,173,149	...	73,253,403	42,382	...	608,825,570
7,110,711	1,829,997	...	7,392,734	4,277	...	60,934,859
180,875	77,120	359	626,970	51,914	87,745	5,094,379
3,739,018	1,594,212	7,421	12,960,620	1,073,157	1,813,850	105,310,157
2,797,985	1,192,982	5,553	9,698,703	803,067	1,357,342	78,805,794
...	...	...	...	...	...	123,598
...	...	...	...	...	...	341,594
...	...	...	378,440,666	...	7,544,632	388,569,550
...	...	...	11,992,784	...	239,089	12,313,768
...	...	...	...	...	...	396
...	...	...	...	...	...	3,688
...	...	...	436	...	...	436
...	...	...	1,226	...	...	1,226
...	...	...	...	...	...	2,722
...	...	...	...	...	...	816
...	...	...	...	...	...	226,105,865
...	...	...	...	...	...	50,920,305
...	...	...	...	...	...	135,402
...	...	...	...	...	...	4,199,622
...	...	...	25	...	...	148,902
...	...	...	877	...	...	5,222,589
...	...	...	...	1,121,553	...	1,121,553
...	...	...	...	...	...	150,771
...	...	...	...	...	...	266,714
1,028,485	1,141,600	32	10,648,031	483,874	3,830,864	23,163,629
416,413	462,211	13	4,311,175	195,911	1,551,040	9,378,490
...	...	...	...	...	...	2,940
...	...	...	...	...	...	4,769
...	...	...	...	...	...	3,694
...	...	...	...	...	...	21,267
...	...	...	8,825	...	...	8,825
...	...	...	4,917	...	...	4,917
40,502,747	37,278,001	...	279,041,497	...	...	394,533,860
1,236,891	1,144,062	...	8,563,784	...	...	12,108,244
15,353,047	6,270,403	12,987	56,107,744	3,197,965	4,961,321	343,506,123

(b) Arsenic recovered from gold ores but not sold or shipped.

1,138	959,595	5,519,208	1,537,905	...	...	15,537,443
3,110	1,255,142	14,415,281	5,464,061	...	...	48,315,224
600	96,423	22,513,660	...	1,500	...	35,185,146
180	36,640	4,915,821	...	335	...	12,507,307
...	...	...	...	...	...	445
...	...	...	...	...	...	2,445
...	...	7,576,932	...	20,191	...	7,826,301
...	...	9,362,363	...	50,477	...	9,846,352
5,290	1,291,782	28,693,465	5,464,061	50,812	...	70,671,328

FINALLY REVISED STATISTICS ON THE MINERAL

		Nova Scotia	New Brunswick	Quebec	Ontario
<u>NON-METALLICS (concluded)</u>					
<u>Other Non-Metallic and Industrial Minerals</u>					
Asbestos .....	ton	...	...	364,454	18
	\$	...	...	15,858,492	720
Barytes .....	ton	...	...	...	(a)
	\$	...	...	...	3,639
Diatomite .....	ton	279	...	...	5
	\$	9,661	...	...	280
Feldspar .....	ton	...	...	5,399	7,061
	\$	...	...	60,923	51,056
Fluorspar .....	ton	...	...	...	240
	\$	...	...	...	4,995
Graphite .....	\$	...	...	...	61,684
Grindstones (includes pulpstones, etc.) .....	ton	152	152	...	...
	\$	5,616	9,662	...	...
Gypsum .....	ton	1,298,618	29,765	...	59,440
	\$	1,340,830	134,286	...	260,792
Iron Oxides (Ochre) .....	ton	...	...	5,465	...
	\$	...	...	82,501	...
Magnesitic-dolomite .....	\$	...	...	474,418	...
Magnesium sulphate .....	ton	...	...	...	...
	\$	...	...	...	...
Mica (all grades) .....	lb.	...	...	867,396	1,127,960
	\$	...	...	122,243	22,978
Mineral waters .....	Imp. gal.	...	...	104,629	19,140
	\$	...	...	17,503	1,602
Nepheline-syenite .....	\$	...	...	...	140,148 (b)
Phosphate .....	ton	...	...	157	...
	\$	...	...	1,712	...
Quartz .....	ton	10,574	...	104,827	1,335,342
	\$	18,927	...	369,172	665,148
Salt .....	ton	47,885	...	...	370,843
	\$	213,029	...	...	2,200,189
Silica brick .....	M	1,890	...	...	603
	\$	75,212	...	...	49,595
Soapstone (/) .....	\$	...	...	41,471 (c)	...
Sodium carbonate .....	ton	...	...	...	...
	\$	...	...	...	...
Sodium sulphate .....	ton	...	...	...	...
	\$	...	...	...	...
Sulphur (x) .....	ton	...	...	61,476	16,126
	\$	...	...	275,951	161,260
Talc .....	ton	...	...	...	13,144
	\$	...	...	...	128,595
Total Other Non-Metallics .....	\$	1,663,275	143,948	17,304,586	3,752,681

(x) Sulphur content of pyrites shipped and estimated sulphur contained in sulphuric acid and elemental sulphur made from waste smelter gases.

(/) Includes some talc.

(a) Data not available for publication.

PRODUCTION OF CANADA, BY PROVINCES, 1939. (continued)

Manitoba	Saskat-	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
	chewan					
...	...	...	...	...	...	564,472
...	...	...	...	...	...	15,859,212
...	...	...	...	...	...	(a)
...	...	...	...	...	...	5,639
...	...	...	17	...	...	501
...	...	...	447	...	...	10,588
40	...	...	...	...	...	12,500
330	...	...	...	...	...	112,309
...	...	...	...	...	...	240
...	...	...	...	...	...	4,995
...	...	...	...	...	...	61,684
...	...	...	...	...	...	504
...	...	...	...	...	...	15,278
15,961	...	...	18,150	...	...	1,421,934
98,578	...	...	100,641	...	...	1,955,127
...	...	...	550	...	...	6,015
...	...	...	5,917	...	...	88,418
...	...	...	...	...	...	474,418
...	...	...	550	...	...	550
...	...	...	9,800	...	...	9,900
...	...	...	(a)	...	...	1,995,356 (d)
...	...	...	(a)	...	...	145,221 (d)
...	...	...	...	...	...	123,768
...	...	...	...	...	...	19,105
...	...	...	...	...	...	140,148
...	...	...	...	...	...	157
...	...	...	...	...	...	1,712
...	134,192	...	...	...	...	1,582,935
...	46,967	...	...	...	...	1,100,214
2,455	...	5,519	...	...	...	424,500
35,888	...	37,526	...	...	...	2,486,632
...	...	...	...	...	...	2,495
...	...	...	...	...	...	124,807
...	...	...	...	...	...	41,471
...	...	...	500	...	...	500
...	...	...	2,400	...	...	2,400
...	71,455	50	...	...	...	71,485
...	627,965	186	...	...	...	628,151
...	...	...	133,676	...	...	211,278
...	...	...	1,230,814	...	...	1,668,025
...	...	...	...	...	...	13,144
...	...	...	...	...	...	128,595
134,796	674,932	37,712	1,350,119	...	...	25,061,849

(b) Quantity shipped in 1939 totalled 30,766 tons.

(c) Quantity shipped in 1939 totalled 5,097 tons.

(d) Ground mica schist produced in British Columbia is not included in this total.

FINALLY REVISED STATISTICS ON THE MINERAL

	Nova Scotia	New Brunswick	Quebec	Ontario
<u>CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS</u>				
<u>Clay Products</u>				
Clay - Fireclay .....	ton	2,522	...	...
	\$	7,720	...	...
Bentonite .....	ton	...	...	...
	\$	...	...	...
Other Clay .....	ton	...	...	222
	\$	...	...	666
Brick- Soft mud process -				
Face .....	M	2	...	462
	\$	35	...	5,348
Common .....	M	233	...	2,683
	\$	2,412	...	25,285
Stiff mud process - (wire cut)				
Face .....	M	538	2,334	17,580
	\$	13,461	37,752	351,445
Common .....	M	4,202	3,036	27,902
	\$	58,581	40,322	363,852
Dry press -				
Face .....	M	...	...	1,897
	\$	...	...	48,277
Common .....	M	...	...	8,928
	\$	...	...	142,844
Fancy or ornamental brick ....	M	...	...	68
	\$	...	...	4,601
Sewer brick .....	M	...	...	217
	\$	...	...	4,506
Paving brick .....	M	...	...	...
	\$	...	...	...
Firebrick .....	M	3	...	...
	\$	123	...	...
Fireclay blocks and shapes .....	\$	813	...	...
Structural tile -				
Hollow blocks .....	ton	5,385	2,377	27,230
	\$	50,713	19,541	235,581
Roofing tile .....	No.	...	...	...
	\$	...	...	110,869
Floor tile (quarries) .....	Sq. ft.	...	...	...
	\$	...	...	3,599
Drain tile .....	M	233	43	...
	\$	7,512	1,588	90,292
				15,163
Sewer pipe, copings, flue linings, etc. ....	\$	195,218	...	649
Pottery, glazed or unglazed .....	\$	...	50,593	...
Other clay products .....	\$	5,364	389	12,193
				274,846
Total Clay Products .....	\$	339,952	129,985	1,274,776
				2,546,658

/ Includes crucibles.

PRODUCTION OF CANADA, BY PROVINCES, 1959. (continued)

Manitoba	Saskat-chewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
...	6,951	...	592	...	...	10,045
...	15,020	...	8,084	...	...	30,824
99	...	889	...	...	...	988
591	...	2,850	...	...	...	5,441
...	2,892	...	...	...	...	5,114
...	8,746	...	...	...	...	9,412
...	...	99	1,069	...	...	10,927
...	...	2,566	14,106	...	...	182,376
5,716	25	2,360	3,771	...	...	26,651
57,152	300	35,413	53,465	...	...	372,116
500	524	216	420	...	...	45,995
11,299	8,076	5,010	14,589	...	...	941,696
85	546	1,431	1,075	...	...	51,115
902	5,260	12,344	16,993	...	...	692,224
...	87	1,681	212	...	...	12,262
...	2,997	17,151	8,745	...	...	242,518
...	...	6,121	...	...	...	17,791
...	...	53,874	...	...	...	236,597
...	...	...	...	...	...	68
...	...	...	...	...	...	4,601
...	...	...	...	...	...	217
...	...	...	...	...	...	4,508
...	...	...	157	...	...	157
...	...	...	6,089	...	...	6,089
...	474	30	1,824	...	...	2,351
...	26,300	1,297	91,626	...	...	119,346
...	73,990	...	20,453	...	...	95,256
551	790	4,989	2,942	...	...	86,120
5,258	7,835	57,952	27,660	...	...	714,291
...	...	...	37,422	...	...	148,291
...	...	...	1,565	...	...	4,964
...	...	...	520	...	...	90,812
...	...	...	70	...	...	15,255
76	5	77	1,084	...	...	14,560
5,630	200	3,129	38,132	...	...	353,975
...	...	111,476	50,517	...	...	815,208
...	50	180,017	11,560	...	...	282,712
...	...	...	8,086	...	...	25,855
78,892	148,774	461,079	571,140	...	...	5,151,258

FINALLY REVISED STATISTICS ON THE MINERAL

	Nova Scotia	New Brunswick	Quebec	Ontario
<b>CLAY PRODUCTS AND OTHER STRUCTURAL MATERIALS - concluded</b>				
<b>Other Structural Materials</b>				
Cement .....	btl.	...	...	5,027,759 4,035,294
	\$	...	...	1,709,263 2,437,777
Lime - Quicklime .....	ton	14,469 125,969	11,558 97,084	134,331 844,055
	\$			268,622 1,870,035
Hydrated lime .....	ton	512 3,542	7,117 54,814	26,781 139,017
	\$			33,637 366,917
Total lime .....	ton	14,781 129,511	18,675 151,898	161,112 983,072
	\$			302,259 2,236,952
Sand and Gravel .....	ton	2,139,427 1,225,827	3,373,303 1,563,051	10,050,985 2,703,032
	\$			9,350,875 3,537,216
Stone- Granite .....	ton	885 20,809	1,492 72,005	503,011 1,276,859
	\$			495,619 625,880
Limestone .....	ton	17,239 33,941	52,505 142,927	1,904,658 1,726,653
	\$			1,951,285 1,624,618
Marble .....	ton	...	...	7,600 168,612
	\$			6,519 30,642
Sandstone .....	ton	31,711 79,167	21,412 51,175	112,403 150,792
	\$			4,124 16,322
Slate .....	ton	...	...	683 683
	\$			47 649
Total stone .....	ton	49,835 133,917	75,409 266,107	2,528,355 5,323,599
	\$			2,437,594 2,298,111
Total Other Structural Materials .....	\$	1,489,255	1,781,056	11,044,997
				10,510,056
GRAND TOTAL, 1939 .....	\$	30,746,200	3,949,433	77,535,998
GRAND TOTAL, 1938 .....	\$	26,253,645	3,802,565	68,965,594
				219,801,994

/ Includes relatively large quantities used as a chemical.

PRODUCTION OF CANADA, BY PROVINCES, 1959. (concluded)

Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories	Yukon	CANADA
343,717	...	377,848	272,679	...	...	5,731,264
773,363	...	744,357	520,420	...	...	8,511,211
15,625	...	12,113	18,055	...	...	474,755
119,696	...	104,772	165,036	...	...	3,526,647
4,407	...	386	4,816	...	...	77,456
76,494	...	3,860	32,223	...	...	676,867
20,052	...	12,499	22,851	...	...	552,209
196,190	...	108,652	197,259	...	...	4,003,514
1,563,593	1,913,995	817,168	2,284,995	...	...	31,294,341
514,404	408,199	619,105	870,268	...	...	11,241,102
174	...	...	101,214	...	...	1,102,395
3,544	...	...	120,404	...	...	2,119,501
35,969	...	2,888	205,045	...	...	4,149,589
80,404	...	8,166	200,842	...	...	3,817,551
...	...	5	...	...	...	14,124
...	...	800	...	...	...	200,054
...	...	155	6,460	...	...	176,265
...	...	5,314	9,060	...	...	511,830
...	...	...	419	...	...	1,149
...	...	...	5,428	...	...	6,760
56,145	...	3,048	313,138	...	...	5,445,522
85,948	...	14,280	535,734	...	...	6,455,696
1,567,905	408,199	1,486,374	1,925,681	...	...	50,211,523
17,137,930	8,794,090	50,691,617	65,216,745	3,248,777	4,961,321	474,602,059
17,173,002	7,782,847	28,966,272	64,549,130	568,618 *	3,959,570	441,823,257

\* Not including value of radium and uranium.

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