

Statistics of smelter production from these ores since the commencement of this industry are shown in the following table:—

Smelter Production of the Nickel-Copper Ores of the Sudbury District.

IN SHORT TONS.

Calendar Year.	Ore mined.	Ore smelted.	Matte shipped.	Value matte.	Nickel content of matte.	Copper content of matte
1886.....	3,307					
1887.....	567					
1888.....		30,000			900	1,500
1889.....	41,990	40,146	3,274		432	733
1891.....					718	651
1892.....	83,300	72,538	10,336		2,018	2,064
1893.....	74,381	57,022			1,207	1,102
1894.....			9,425		1,991	1,821
1895.....	103,223	96,038	11,681	\$ 766,422	2,454	2,604
1896.....	74,135	68,618	10,188	800,834	1,944	2,288
1897.....	91,966	71,027	10,759	416,594	1,699	1,584
1898.....	93,154	96,370	13,968		1,999	2,750
1899.....	123,820	121,924			2,759	4,187
1900.....	159,957	172,761		702,311	2,872	2,834
1901.....	196,420		23,336	1,076,306	3,540	3,364
1902.....	315,697	255,958		1,661,839	4,504	4,318
1903.....	269,538	211,847	25,311	1,327,448	5,347	3,553
1904.....	136,033	207,030	13,832	2,686,469	6,253	3,576
1905.....	203,388	118,470	10,154	2,193,198	5,274	2,455
1906.....	277,766	251,421	17,405	4,019,814	9,438	4,386
1907.....	343,814	340,059	20,310	4,628,011	10,745	5,264
1908.....	351,916	359,076	22,025	3,289,382	10,595	6,996
1909.....	409,551	360,180	21,210	2,930,989	9,572	7,503
1910.....	451,892	462,336	25,845	1,913,012	13,141	7,873
1911.....	652,392	947	35,033	5,380,064	18,636	9,630
1912.....	612,511	81,834	32,607	4,945,593	17,049	8,966
1913.....	737,722	25,065	41,925	6,303,102	22,421	11,116
1914.....	784,697	823,403	47,150	7,076,945	24,838	12,938
1915.....	1,000,364	947,053	46,396	7,189,031	22,759	14,448
1915.....	1,364,048	1,272,283	67,703	10,352,344	34,039	19,608

Silver-Copper-Nickel-Arsenic Ores.—The first shipments of silver ores from the Cobalt district were made in 1904, and in 1906 the first works for the treatment of these ores in Canada were established by the Canadian Copper Company, at Copper Cliff, Ont. This plant was closed down, however, in 1913. Operations have been continuous at the plants of the Cominagas Reduction Company, at Thorold, and the Deloro Mining and Reduction Company, at Deloro, Ont., while during the past two years Metals Chemical Company have operated a small plant at Welland, Ont. In addition to the above there have been in previous years intermittent operations at plants established at Kingston, Ont., Orillia, and North Bay. The products recovered in the plants now operating, include: refined silver, arsenious oxide, metallic arsenic, metallic cobalt, metallic nickel, cobalt oxide, nickel oxide, cobalt sulphate, nickel sulphate and cobalt alloys.

The tonnage of ore treated in these smelters in 1915 was 7,526 tons, as against 5,681 tons in 1914 and 9,466 tons in 1910. The recoveries in 1915 included: 9,885,986 fine ounces of silver in bullion; 4,792,637 pounds of