

The copper production from the several districts is expected to have been approximately as follows:—

	Lb.
Skeena Division	21,801,340
Boundary District	17,520,334
Southern Coast District	10,736,086
Trail Creek Division	4,610,776
Omineca Division	2,822,000
All other districts	348,052

The big mine and smelter of the Granby Company at Anyox were operated continuously throughout the year, and the tonnage treated was gradually increased, until, at the end of the year, 2,000 tons a day was being smelted. The ore reserves of this mine are very considerable and are given in the annual report of the company for the fiscal year ended June 30th, 1915, as amounting to 9,620,412 tons, with an average copper content of 2.19 per cent. The Granby Company this year produced from its mines in Skeena and Boundary 65.4 per cent. of the Province's copper production.

Another important producer of copper in the northern portion of the Province is the *Rocher Déboulé* mine, near Hazelton. After developing for a couple of years this property commenced shipping in June, and by the end of the year had shipped 17,000 tons, carrying 2,788,000 lb. of copper, besides gold and silver values.

In the Boundary District the Granby Company's mines at Phoenix and smelter at Grand Forks were operated to nearly full capacity since the end of January. The recovered copper content of the ore, however, was less than in any previous year, and this fact, together with a slightly lessened tonnage, accounts for a smaller copper-output than in the years 1912 and 1913; in 1914 the smelter was closed for about one-third of the year, and so the output was less than in any of the years previously mentioned.

The explanation of the lowering of the grading of the Granby Company's ore is that an electrically driven shovel was used to clean up the pillars which had been blasted down in the large "glory-hole," and that thereby a larger proportion of waste rock was included in the ore, which was justified by the shovel reducing the operating costs in this part of the mine.

The British Columbia Copper Company, which operates the *Mother Lode* mine at Deadwood and a smelter at Greenwood, was, in former years, another large producer of copper in the Boundary District. During the last two years, however, this company's production has declined very materially. At the smelter one furnace was operated during the last half of 1915 and a production of about 1,500,000 lb. of copper was made. The ore-bodies at the *Mother Lode* are, apparently, nearly exhausted, but the company has developed a large tonnage of low-grade copper ore at Copper Mountain, in the Similkameen Division, the treatment of which, it is anticipated, will be begun in the near future.

Exact figures regarding the output of copper ore from the *Britannia* mine are not yet available, but it is believed that a production of about 10,000,000 lb. of copper will have been made, which is about 2,000,000 lb. less than in the previous year. This decrease is mainly due to the disastrous snow- and rock-slide which, last spring, cleaned out the upper workings and killed a number of men, necessitating a close-down for some months, during which time ore shipments were suspended. The company has during the past year doubled its milling capacity, and, as its ore reserves are said to be very large, it should in the future make a larger yearly output than ever before.

Some crude ore is shipped from this mine, but the major portion goes through the mill, which is a water-concentration plant, followed by an oil-flotation treatment of the tailings from the former, and has a capacity of 2,000 tons a day. The concentrates and crude ore are smelted at the Tacoma smelter.