

Mining Throughout British Columbia

Receipts at Trail Smelter—Cork-Province and Florence Developments—Surf Inlet Dividend—Copper Situation with regard to Granby—Report on Shipment of Car of Ore to Ottawa from New Hazelton Gold-Cobalt Mine—Notes.

The following is a list of the ore received at the Trail Smelter during the week ending March 21st, 1919:

Mine	Location	Gross Tons
Castor Fraction.....	Beaverdell	35
California.....	Nelson	45
Centre Star.....	Rossland	2748
Emma.....	Coltern	538
Horn Silver.....	Similkameen	53
Iron Mask.....	Kamloops	95
Josie.....	Rossland	294
Lucky Jim.....	Kaslo	42
North Star.....	Kimberley	170
Paradise.....	Athalmer	139
St. Eugene.....	Moyie	36
Sullivan (zinc).....	Kimberley	3153
Sullivan (lead).....	Kimberley	817
Silversmith.....	Sandon	43
Total.....		8208

The Cork-Province mine expects to produce marketable ore at the rate of 600 tons monthly when the operation of its mill is started on a three-shift basis, says a Kaslo report. Half of the product will be lead-silver and the remainder zinc, according to a previous experience. Operation will be inaugurated in April and no great period is expected to elapse before the plant is running near capacity.

The quantity of ore broken in preparation for milling operations is estimated at 2,000 tons.

Plans for important development were laid out by Manager W. E. Zwicky in the period of inactivity at the mine. They include an exploration of the Superior vein, which parallels a fissure from which ore having high silver values was shipped, the extension of the drift in a northerly direction to reach a lime band where it is believed the usual ore replacement will be found, and an extension of a winze on ore from the No. 4 level to a point 100 feet therefrom.

The Cork-Province mine has arranged for a loan of \$20,000, of which \$12,000 is to be used for the cancellation of an indebtedness and \$8,000 for a working capital, says a Nelson report. The remaining \$8,000 is regarded as sufficient to maintain operations until May or June, when it is believed the shipment of ore will be resumed.

The second monthly dividend of 1½ cents per share is due for declaration by Florence directors shortly. A splendid body of ore has been opened in stope No. 7 from No. 2 tunnel level at this Ainsworth property. At a point 30 feet up it shows two feet of clean shipping ore running nearly 70 per cent. lead and 22 ounces silver, with five feet of excellent milling ore. This is in virgin territory, west of the big original ore-body which was stoped to surface and showed maximum width of 40 feet. Vertical depth from surface is about 350 feet, so that the ore body can be followed up to the surface on the dip about 500 feet. The downward continuation of the same body has already been developed by No. 5 or lowest level, 360 feet down on dip of vein. Intermediate levels No. 3 and No. 4 have not yet been extended far enough westerly to catch it. There is, however, no doubt that the shoot will soon be opened on all four levels, practically doubling known ore resources of the mine. On

No. 3 level, stopes No. 5 or 6, on the north-south replacement ore body show about 25 feet of fine milling ore. On No. 4 level the same shoot has been developed by stope No. 4 to a width of 25 feet. Milling operations on a two-shift basis have been resumed and the third shift will be put on within a few days.

The influenza epidemic of last month was severe, three deaths occurring. Among the victims was W. H. Moss, assayer and surveyor, who has been with the Florence for a year.

On April 1st the Belmont-Surf Inlet Mines, Limited, which owns and operates the gold mine at Surf Inlet, on Princess Royal Island, paid a dividend of five per cent. to shareholders. The Surf Inlet Gold Mines, Limited, which sold the property to the above company, is the holder of \$475,000 of stock in the Belmont-Surf Inlet Co., and has received \$23,750 in dividends from its holdings. It is expected that the directors of the Surf Inlet Company will meet shortly and declare a dividend of from two to two and one-half per cent. on its stock of which practically \$1,000,000 is outstanding.

Mr. F. M. Sylvester, managing director of the Granby Consolidated, has left on a business trip to New York, where he will confer with the directors of the Company in that city. It is understood that no announcement concerning resumption of work at the Anyox smelter and mine will be forthcoming until his return from the east.

The copper situation as regards prices for that commodity is still unsatisfactory from the producing viewpoint and it is regarded as quite unlikely that copper properties which have shut down in various parts of the country, will attempt further production until such a time as the labor question is balanced in a measure against the production end.

Recent conferences held at Washington have resulted in an agreement on the part of the United States Government to assist the producers in getting sale for the copper which has been mined and smelted since the armistice was declared, before the government disposes of the large stocks already on hand, and which it bought at war time prices.

Foreign countries are already "loaded up" with copper and embargoes on copper shipments to the Central Powers prevent export at this time. It is fully believed that as soon as the peace treaty is signed and shipments can become more normal that the copper market will show improvement and an upward tendency.

We are indebted to Mr. Nichol Thompson, director of the New Hazelton Gold and Cobalt mine on Rocher de Boule Mountain, Hazelton, for the following on a car of ore shipped from the mine to the Ore Dressing and Metallurgical Laboratories of the Department of Mines, Ottawa, which is interesting reading from the point of view of the wide variety of metals encountered in the ores of the mine and the thoroughly satisfactory recovery of metal content from treatment. The report states:

"A shipment of ore was received on August 6th, 1918, from "The New Hazelton Gold and Cobalt Mines," New Hazelton, B. C. This shipment consisted of 669 bags, which gave the following weights, analyses and content: Net weight (wet), 53,772 lbs.; moisture, 1.01 per cent., 544 lbs.; dry net weight, 53,228 lbs. Analysis, sulphide of molybdenite, 1.40 per cent.; oxide of molybdenite, 0.18 per cent.; cobalt, 1.12 per cent.; nickel, 0.60 per cent.; arsenic, 8.98 per cent.; gold, 1.24 ozs. Content, sulphide of molybdenite, 745.19 lbs.; cobalt, 596.15 lbs.; nickel, 319.37 lbs.; arsenic, 4,779.87 lbs.; gold, 33.00 ozs.

"The object of the test was to concentrate the values in the ore and also obtain a separation of these values as far as practical. As the cobalt, nickel, arsenic and gold values were intimately associated it was feasible to con-