

Mining Throughout British Columbia

Receipts at Trail—Reco Mine sold—Excellent showing of Bush Mine—Operations at Tonopah Belmont Company at Surf Inlet.

The following is a list of the ore received at the Trail Smelter during the week ending May 7, 1919:

Mine	Location	Gross Tons
Centre Star, Rossland	2,069
Emma, Coltern	944
Galena Farm, Silverton	47
Horn Silver, Similikameen	50
Iron Mask, Kamloops	51
Josie, Rossland	459
Molly Gibson, Kitto Landing	85
North Star, Kimberley	94
No. One, Ainsworth	98
Sullivan (Zinc), Kimberley	2,034
Sullivan (Lead), Kimberley	370
Silversmith, Sandon	47
Total	6,348

Stockholders of the Granby Consolidated Mining, Smelting and Power Company of record on April 18 were accorded dividends on May 1 of \$1.25 per share, instead of the usual \$2.50 per share, a total of \$187,481 being disbursed, bringing the total of dividend disbursements for that company up to \$11,136,367.

The decrease in dividends is accounted for in the lack of production and sale since the date of the armistice of November 11. Such stocks of copper as have been disposed of have been sold at prices ranging below sixteen cents, a heavy reduction in prices from that which obtained during the war period an era of extreme production.

"The Bush mine, owned by R. K. Neil of Spokane and Fernie associates, is a wonderful property," said Patrick Daly of Stewart, in Spokane recently. The Canadian associates of Mr. Neill are E. B. Trites, R. W. Wood and W. R. Wilson of Fernie. The mine is above Stewart, at the head of the Portland canal.

Mr. Daly is credited with the development of the mine from grass roots and with having made all of the discoveries upon it. He has had charge of operations since 1910 and will return to the district soon to superintend the development of another property upon which he has given a bond to Mr. Wilson, Mr. Wood and Mr. Trites.

"Ore has been followed for more than 600 feet on the first level, exposing values that average \$100 in gold and silver to the ton throughout that distance and \$300 to \$400 in sections 100 feet long. Our crosscuts run into ore from this level have an average length of more than 50 feet and have not reached the wall. The depth at the face of the level is 380 feet and the average depth is 250 feet. The possibilities of this vein are indicated by its width at the surface, which is 350 feet.

"Several shipments were made during the winter. I don't know the total receipts, but can state that the smallest lot, 200 tons, had a net value in excess of \$60,000. The total value of the ore shipped during the winter was probably \$200,000. The road to tidewater is being prepared for the use of electric automobile trucks next winter. This will make possible a large increase in production.

"Another level has been started at a point 300 feet below that upon which the development has been performed. The distance from the portal to the vein is about 200 feet and half of it has been covered."

The Bush mine lies but a short distance from the international line. A strip of ground lying between the Bush and the line is occupied by the International group, located and owned by Mr. Daly.

"Charles F. Caldwell of Kaslo, has acquired the 49 and Yellowstone groups, which almost adjoin, and the Eleven-mile, some distance removed and so-called because of its situation at a point 11 miles from tidewater," said Mr. Daly. "The surface showings on the first two are identical with those on the Bush and a cut 17 feet long disclosed ore containing \$67 to the ton. Sir Donald Mann has acquired the Big Missouri property in this district.

"The district is almost circular in form. The ore is a free porphyritic gangue and is very free. A third of the values are in gold and the remainder in silver. The vein has a good contact wall and indications favor a conclusion that it may be followed to a great depth."

We are in receipt of the annual report of the Tonopah-Belmont Development Company for the year ending December 31st, 1918, which contains a review of the operations of the Company's mine at Surf Inlet. Mr. Frederick Bradshaw, general manager, commenting on the operations of the Company for the last calendar year, said:

There follows herewith a report descriptive of the mining operations and the accrued results therefrom at the properties of the Belmont Surf Inlet Mines, Limited, at Surf Inlet, British Columbia, for the ten months fiscal period ending December 31st, 1918.

Throughout the period the operations, which had been started in September, 1917, were continued and although seriously affected by the unprecedentedly adverse conditions affecting the gold mining industry, resulted in an operating profit of \$323,242.60.

The 83,142 dry tons of ore milled during the ten months period had a gross metal content of 39,999 ounces of gold; 25,893 ounces of silver and 433,399 pounds of copper, and a gross value, calculating gold at \$20.00 per ounce; silver \$1.01 $\frac{1}{8}$ per ounce and copper at 22.6661 cents per pound, of \$924,847.18. The average per ton content of the ore milled was 0.481 ozs. gold; 0.3114 ozs. silver and 5.213 pounds copper (0.2606%) representing, with metal prices as above, an average value of \$11.12 per ton. The concentration of this ore tonnage was effected with a ratio of concentration of 11.09 into 1 and with recoveries of 91.52% of the gold; of 90.23% of the silver and—so nearly as can be calculated of 100%—of the copper. The 7498 dry tons of concentrates produced had an aggregate metal content of 36,606 ounces of gold; 23,364 ounces of silver and 433,399 pounds of copper and a gross money value of \$854,537.20. The average per ton content of the concentrates was 4.882 ounces gold; 3.116 ounces silver and 57.8 pounds of copper, and the average per ton value was \$113.97. The average extraction of the combined money values was 92.13%. For the metals sold during the year an average price of \$19.74 per ounce for the gold; of 97.13 cents per ounce for the silver and 20.957 cents per pound for the copper was received.

Adjustments of ore stocks on hand at the end of the period decreased the per ton value of the ore mined, from the per ton value of the ore milled, by 4.9 cents, the resultant value being \$11.073 per ton. The total operating costs and losses for the period were \$7,185 per ton and the net realization was \$3.888 per ton or 35.1% of the gross value of the ore.

The losses in mill tailings were \$0.846 per ton; the smelter deductions (payments of less than the one hundred per cent. metal content and at less than the official unit prices for metals) were \$0.565 per ton and shipping and marketing costs (steamship freight and unloading and smelter charges) were \$0.762 per ton. The values realized, as paid for by the smelter, was \$8.900 per ton. Direct mining costs were \$2.581 per ton, of which \$2.22 per ton