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# ANNUAL REPORT

OF THE

# MINISTER OF MINES

FOR THE

YEAR ENDED 31ST DECEMBER

1923

BEING AN ACCOUNT OF

MINING OPERATIONS FOR GOLD, COAL, ETC.

IN THE

PROVINCE OF BRITISH COLUMBIA.



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1924.

A trial shipment of 4 tons of ore was made to the Trail smelter, containing 485 oz. of silver, 7 oz. of gold, and 321 lb. lead.

These claims are owned by Sandquist & Hebb, of Vancouver, and are situated **Wesa and Bell.** on the north side of Lost creek, about 10 miles north-west of Greenwood. Lost creek flows into Boundary creek. A great deal of exploration was done in this area in the boom days twenty-three years ago, and since that time Sandquist and others have done yearly assessment.

The formations consist of large remnants of sedimentaries, generally highly altered and mineralized with iron pyrites and cut by dykes of alkali-syenite porphyry. On the west there is a belt of gneiss and chloritic hornblende-schists intruded by granodiorite. In the fractures of the sedimentaries and along their contact with the dykes small quartz veins have been found, containing pyrite, marcasite, and chalcopryrite, with a little gold and silver. In the gneiss larger quartz veins are found carrying gold and silver.

There has not been enough development-work to establish the camp as a producing area.

This claim was bonded from H. Duhamel, of Greenwood, by C. Bartholomew, **Spotted Horse.** of Spokane, and associates, and two men were put to work driving ahead on the old tunnel. Earlier in the year Duhamel opened up a quartz vein from 2 to 3 feet wide and 50 feet in length and mineralized with galena, sphalerite, chalcopryrite, pyrite, gold, and silver. The vein, though not developed, is traceable for over 1,000 feet. A tunnel 15 feet in length was driven some years ago on the lead below Duhamel's workings, and the vein as exposed measured from 1 to 14 inches in width and carried a high percentage of lead. The tunnel is being extended by the present owners. The location of the claim, 500 feet above the Canadian Pacific Railway at Greenwood, adds a great deal to its worth as a possible producer.

Samples of the ore vary considerably and at times assay high in silver. Several average samples taken contained a trace in gold, from 4 to 19 oz. of silver to the ton, from 17 to 68 per cent. in lead, and from 4 to 12 per cent. in zinc.

The lead strikes N. 78° W. (mag.) and dips from 53° to 15° to the north-east, showing a succession of minor faults from the open-cut down to the tunnel in a difference of 160 feet in elevation. The formation is granodiorite.

This claim is located near Floyd's ranch and close to the Grand Forks-Greenwood wagon-road. It is being prospected by David Spooner and associates. The formations in the area where the work is being done are to a great extent altered limestone, garnetite, and epidote, in contact with gneisses and underlain with granodiorite. Mineralization occurs disseminated through and in the fractures of the limestone and is made up of pyrites and chalcopryrite in a gangue of silica.

A sample of the ore gave 0.04 oz. of gold, 3.1 oz. of silver to the ton, and 1.42 per cent. copper.

There is an altered area of limestone about 1,000 feet long and 50 to 100 feet wide, though while not entirely mineralized seems to be worthy of deeper exploration.

The Canadian Pacific Railway runs within a mile of this property, so it is well situated for transportation.

LIGHTNING PEAK SECTION.

This claim is one of the old *Equinox* group. William Williams & Sons, of **West Fork.** Edgewood, continued their lease on this property during the summer and autumn and drove ahead on the tunnel started last year. Ten tons of silver-lead was shipped to the Trail smelter. Owing to several faults and minor slips a constant difficulty was experienced in following the vein. The cost of transportation at the present time is high and does not give those interested much return for the ore shipped. It is to be hoped that some less expensive means of getting the ore to the smelter is forthcoming.

The surveyed sleigh-road from the camp to the Edgewood-Vernon wagon-road is on a good grade, and if built would probably have the effect of stimulating the prospecting of the Lightning Peak area.

*Killarney.*—W. Banting, of Edgewood, built a cabin on his claim and the property is in shape for development. This is a high-grade lead vein carrying about 60 oz. of silver to the ton and 60 per cent. lead.

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