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Property File

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REPORT OF
PRELIMINARY INSPECTION
OF THE
WILCOX MINE
YMER, B. C.

To:

Mr. F. R. Weekes, Manager,
Porcupine Goldfields, D. & F. Co. Ltd.
Montreal, Que.

By:

O. D. Frith,
Nelson, B. C.

May 7th, 1926.

WILCOX MINE

INTRODUCTION

On April 28th., I made a brief inspection of the Wilcox Mine, by going through most of the underground workings, which in places are badly caved. The following report is merely my first impression of the mine, and much of the following data has been obtained from a report by Arthur Lakes Jr., and also the Geological Survey Memoir 94, by C. W. Drysdale.

LOCATION

The property is situated on the northwest side of the Wildhorse Valley, about 2 miles above the mouth of the south fork of Wildhorse Creek, at an elevation of approximately 4300 feet above sea level. It is about 7 miles by road from the town of Ymir, on the Great Northern Railway.

PROPERTY

The property consists of five mineral claims en bloc, and also two timber tracts in Wildhorse Valley. Four of the claims are crown granted.

OWNERS

Ymir Wilcox Development Co., Evanston, Ill.

PRESENTED BY

Arthur Lakes Jr., Nelson, B. C.

FINANCIAL

No price could be obtained, but it is possible that a favorable arrangement could be arrived at.

FACILITIES

The mine is connected to the town of Ymir, by an auto road, which, with a little repairing, could be put in excellent shape. The property has not sufficient water for power purposes, but there is sufficient for domestic use. A Hydro-Electric plant

could be installed, by securing water rights on Wildhorse creek.

There is abundant timber for fuel and mining use in the valley.

EQUIPMENT

The property has a Joshua Hendry mill with a 20 ton capacity. This mill is antiquated and made a very poor recovery, but some parts could be utilized, in the construction of a new mill.

Two bucket tram connects number 3 level with the mill. At present two of the towers are down, but the tram could be easily put in use.

There are several buildings at the mill, which are in excellent shape, but the blacksmith shop and buildings at Number 3 tunnel have been broken down and carried away by snowslides.

There is a compressor in the mill, but this was not examined.

There is said to be considerable mining equipment, around the property, but it was not inspected.

A caretaker lives on the property.

WORKINGS

A total of 5,852 ft. of development work has been done. There are 5 working levels, and 1,953 feet of the drifting is on ore. The lowest level is 300 feet above the mill, and this depth can be obtained by additional tunnels.

The ore has been stoped above No. level, and a very little stoping done on No. 3 level.

GEOLOGY

The workings are in the Nelson Granite principally.

This is cut in various places by Lamprophyre dykes, and mica schist. The ore apparently occurs in the Granite. A roof pendant of Bend D'oreille Schist cuts through the property. This is said to be 250 feet wide. The ore finished abruptly, when the Schist was encountered. No tunnel has been driven through this schist to the granite on the far side where there is a possibility of ore.

VEINS

There are three veins on the property, namely, the Wilcox, Little Wilcox, and the Fourth of July vein. The Fourth of July is the most important. The Little Wilcox vein has had considerable work done on it, but was found to be too low grade.

The veins consist of a quartz gangue in the granite, in places oxidized, and containing considerable pyrite, and in places small lenses of galena. 70% of the gold is said to be free milling.

The vein appear to be very continuous, but varies in width considerably.

ORE

From the report of Arthur Lakes Jr., there is apparently 27,560 tons of ore blocked out with an average value of \$11.45 per ton, and having a gross value of \$312,950.00

The vein averages about 3 to 3.5 feet in width.

According to Government records the mine has had a total production of \$86,526.44.

SAMPLING

The following two samples were taken #1001 taken in bottom of shaft 35 feet below #3 level - best part of vein, width 1.3 feet. Gold .44 oz, silver 1.8 oz.

#1002 - taken in 141 Intermediate level - width 1.9 feet

Gold .98 oz., silver 3.9 oz, Lead 9.6%

CONDITION OF THE MINE

The portal of number 3 tunnel from where the tram runs, has been carried away by a snow slide, and in various places throughout the workings there are bad caves, due to the timbers breaking down, but this could be repaired at little cost. The mine does not appear to be wet, and the working conditions should be excellent. The ground apparently stands up well and will not require much timber.

CONCLUSION

Although the values and size of the property does not warrant it being worked as an individual mine, it is possible that a profit might be made if it were worked in conjunction with other properties in the district. In the shaft below the lowest level the vein is wider than above and carries good values, so that it is reasonable to expect considerable more ore at depth.

If a reasonable price can be obtained, and it is considered advisable to work other properties in the district in conjunction with the Goodenough, I recommend that the mine be thoroughly sampled, or at least sampled sufficiently to check the sampling done by Arthur Lakes, which I think can be taken as reliable.

Respectfully submitted,

Nelson, B. C.

May 7th, 1926.