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1318 MARINE BUILDING
VANCOUVER, B.C.

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Zone 1.

MAJOR EXPLORATION

LUCKY BOY & ADJOINING

TUNGSTEN MINERAL CLAIMS, TROUT LAKE, B.C.

Major Exploration hold, by option, by location and otherwise, 17 mineral claims and fractions situated on Trout Mountain, a few miles northwest of Trout Lake, in the Revelstoke mining division of British Columbia.

From two of these claims, the Lucky Boy and Copper Chief, small tonnages of lead-zinc ore were mined many years ago and some tungsten ore was sorted and shipped in 1943-46 from the old dump of the Lucky Boy property. The claims are now under investigation as a possible source of tungsten, which is present in the form of scheelite. Both old properties are described in Bulletin 10 of the B.C. Department of Mines, revised by S.S. Holland and published in 1943. The Lucky Boy is described also by R.W. Brock in the Annual Report of the Canadian Geological Survey for 1903.

Besides the old Lucky Boy and Copper Chief mines, there are 14 other showings on the property, extending from elevation 3600 up to 5360 feet above sea level. All the showings, including the old mines, were examined and 13 samples were taken,

The Lucky Boy camp is used as a base from which the other showings are reached by trails. The Lucky Boy camp is at elevation 4295, and is reached from the village of Trout lake by an old road which was used to ship ore in former times. The road follows a good grade and, while too narrow for modern vehicles, it could easily be widened and converted into a suitable truck road. From this camp to the other showings only narrow foot trails exist which are built over steep rocky slopes where road construction would be difficult and expensive.

GEOLOGY

The mountains west of Trout lake are composed of schists, quartzite, phyllites and limestone beds folded steeply so that the formations stand nearly vertically and strike north 40 to 65 degrees west. Several limestone beds are known and others not yet discovered probably exist. All the mineral deposits appear to be in or near the contacts of the limestone members.

There are two types of mineral deposits on the properties in question. One type consists of nearly flat quartz veins which cut the steep dipping limestones and quartzites at nearly right angles. They carry galena, zincblende, tetrahedrite and scheelite as scattered bunches in the quartz. The Lucky Boy and Copper Chief deposits are of this type. The other type consists of garnetized and silicified limestone and is confined to the limestone bands, usually near their contacts. They strike parallel to the formations which strike northwesterly and dip

steeply to the southwest. Besides garnet they contain pyroxene and pyrrhotite and considerable scheelite, but little or no galena or tetrahedrite and only minute amounts of zincblende. They vary in width from three or four up to 40 feet, but none has yet been proven to extend more than a few feet or a few tens of feet in length.

The deposits are scattered over an exceedingly rugged and steep mountains side and their positions relative to one another and to the limestone bands in which they occur have not yet been accurately determined. This can be done only by a difficult transit survey. However, a rough idea of their relative positions is shown on the accompanying sketch made by Mr. Vear.

The amount of tungsten contained by the various showings is indicated by the 13 samples taken and their assay values as shown on the sketch. These samples were taken systematically but each was taken across the best part of its showing.

The old workings of the Lucky Boy and Copper Chief mines still contain remnants of ore which contain little lead and zinc but are quite rich in scheelite. These remnants amount to only a few hundred tons and, because of the condition of the old workings, they would be difficult and expensive to extract. Nevertheless, they contain the richest tungsten ore on the property.

Altogether the samples show that scheelite is present in a great many showings in important amounts and indicate a

fair possibility of finding commercial deposits of tungsten. Future exploration should be aimed at increasing the known size of the more promising showings rather than at finding more showings.

This should be done by first, diamond drilling, and then, if the drilling results warrant it, by driving adits in the steep mountain sides. Because it is the lowest showing and because it is within reach of a water supply, the number 1 showing should be drilled first. After this, the showings in the vicinity of the "water hole" near the old cabin should be attacked in such a way as to prove a connection between the showings at and near this level and the number 1 showing, as well as the higher showings.

While the drilling is in progress and before it has been advanced too far, it will be necessary to make a survey of the showings and of the holes already drilled and those to be drilled.

Before this work can be carried out expeditiously, it will be necessary to enlarge the road up to the Lucky Boy camp, to repair the two buildings now in use there and add a new building. Also the trails to the drill sites will have to be enlarged and improved.

This work will require an expenditure in the neighborhood of $20,000.00, but this is justified by the possibilities indicated by the many showings and their tungsten values.

Respectfully submitted,

V. Dolmage

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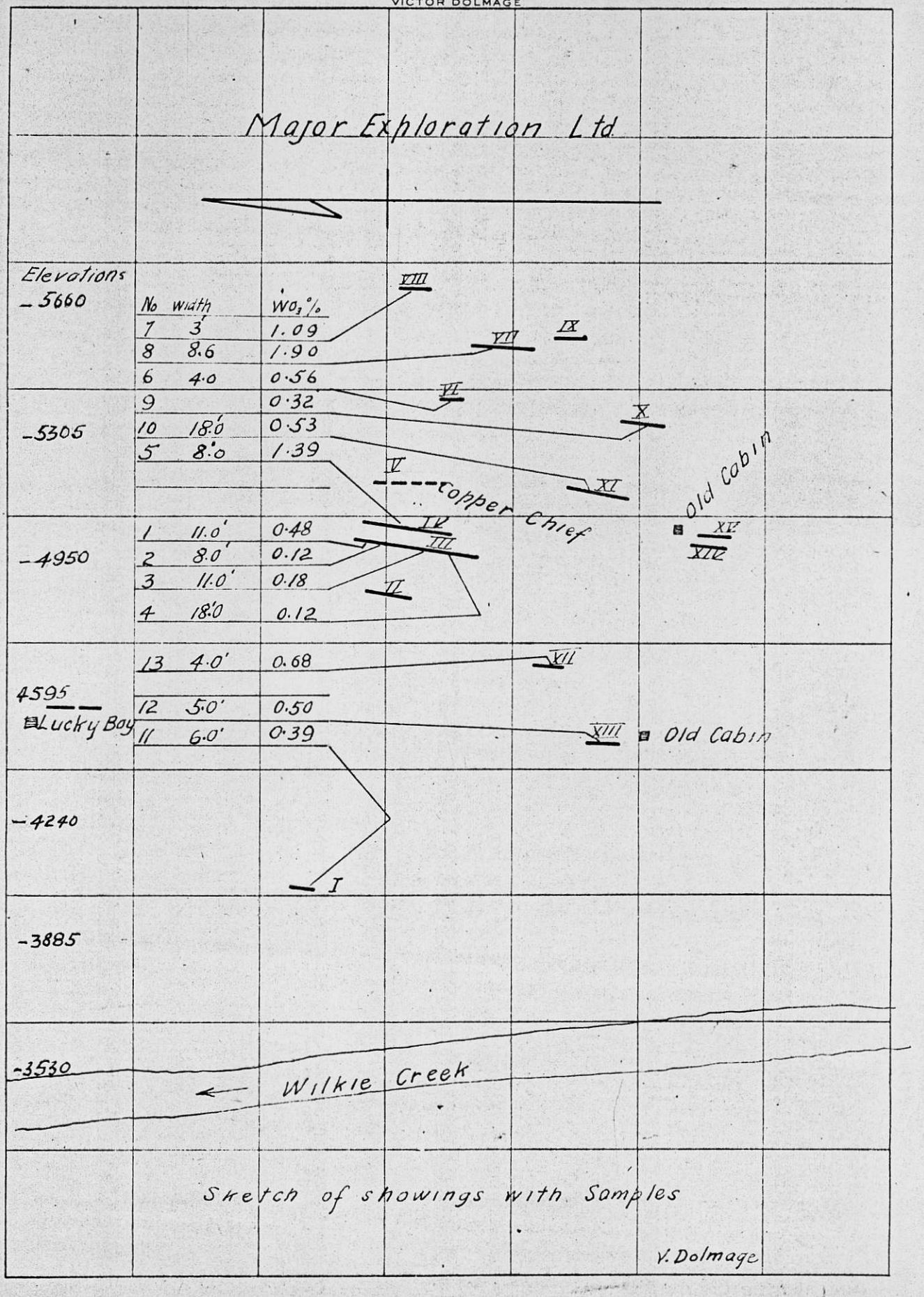

Sketch of showings with Samples

V. Dolmage