

W.A. NO.

NAME

Geol Rpt

SUBJECT

Copper Chief.

82KNW004-07

PROPERTY FILE

003802

This property, owned by Archie Oakey of Beaton, is on the east side of Trout Creek 2-1/2 miles west of the village of Trout Lake in the Lardeau. It is reached by a good trail which leads past the Lucky Boy claim.

The rocks are steeply dipping sediments, including limestones. Most of the rocks are strongly altered and green skarn is of common development. Mineralization includes 3 flat, narrow quartz veins from which a small amount of silver ore has been shipped, a pyrrhotite mass, and some sulphide-bearing skarn. Scheelite occurs in all types of mineralization.

Scheelite in the quartz veins is very sparse. In some skarn bands west of the quartz veins and below an old cabin there is scheelite across widths of as much as 5 or 6 feet, but not plentiful. The pyrrhotite mass, above the cabin, is locally well mineralized with scheelite. This mass is exposed for 75 feet on a 45-degree slope and for 20 or 30 feet laterally; the pyrrhotite is associated with quartz, apparently in the form of a replacement - it is controlled in part by fractures, some of which are flat. The scheelite content, while locally of the order of 2 per cent WO_3 , is not on the whole high. Above the main crest of the valley wall an old pit in a thickly covered section shows mineralized skarn that contains some scheelite.

Several hundred feet north-east of the pyrrhotite mass a new discovery had been made the day before the writer's visit in July, 1943. This is a bedded zone exposed for 12 feet on the hillside, representing a true thickness of probably 9 feet between siliceous sediments. The rock is a skarn but the typical skarn minerals are not prominently developed and the rock is not easily distinguished from bordering rocks. A sample across the full width assayed: WO_3 , 0.54

per cent.

This zone appears interesting, inasmuch as the scheelite is of a fair grade and is quite evenly distributed. The zone passes down under slide rock and up over bluffs, so prospecting is easy. The hillside is excessively steep.

The belt of ground on which the Copper Chief is located, along the course of the limestone horizon, appears to warrant prospecting. Scheelite is certainly widespread on many parts of the ground seen, and reliable reports state that panning of the local tributaries of Trout Creek show heavy white tails of that mineral. This condition is said to extend as far south-east as the Kuskanax granite.

The valley of Trout Creek is 3000 feet deep and the walls have an average slope of 40 degrees. Some of the ground to the south-east appears not too difficult to get over, but it is not exactly an easy country to prospect.

February 7, 19~~43~~⁴⁴
M. S. Hedley

82K/12E
82K/NW-4

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