

This group of mineral claims contains the following named **Gordon River** eleven claims, viz.: *Rose, Sophia, Rambler, Jen, Puffing Billup, Pig Iron, Cold Steel, Max, Max Frac., Fizz, and Fizz Frac.*; and is owned by the Gordon River Iron Ore Company. The total area contained in the group is 352.22 acres. The property is situated on the north bank of the Gordon river about five miles from salt water, and is connected with San Juan bay by a good trail.

The development-work on the group has been principally done on the *Rose* claim, on which a shaft has been sunk to a depth of about 300 feet on an outcrop of magnetite, and drifts driven at the 100-, 200-, and 300-foot levels. Carmichael's description of this shaft is as follows: "Close to the camp a shaft had been sunk about 300 feet on a magnetite outcrop, which appeared to dip into the hill. At about 100 feet down this shaft a cross cut drift had been run to the north. This drift was not examined. It was reported by the foreman to be boarded up, and all work had been suspended for the time at this point, but it was stated by the management that the drift had been run for about 40 feet, and had cut diagonally through about 18 feet of ore mixed with country-rock. Similar drifts had been set off at the 200- and 300-foot levels simultaneously, that at the 200-foot level being now in about 18 feet, and that at the 300-foot not so far. In neither of these drifts nor in the shaft was any ore visible, the rock passed through being chiefly diorite, though, of course, these drifts had not been driven far enough to strike the ore-body, should it continue at the surface dip to this depth."

From the foregoing description, the only occurrence of magnetite exposed underground is on the 100-foot level, where, the management stated, "the drift cut diagonally through 18 feet of ore mixed with country-rock." There is consequently no data on which any tonnage of *actual* ore, or even *possible* ore, can be estimated.

Other outcroppings of magnetite occur along the Gordon river on both banks for about a mile, following the contact between the Nihuat marble and plutonic rocks. The work, consisting of trenching at various intervals, shows that the outcroppings are apparently disconnected lenses. Further systematic prospecting is necessary in order to demonstrate the extent of the ore-bodies and determine their commercial value.

There are ten mineral claims in the *Bugaboo Creek* group, named as follows: *War, Ar, Ar Frac., Tar, Gen., Warren, Gen. French, Little Bobs, Baden Powell, Gen. White, and Sirdar*. The total area is 381.67 acres. This property is now also held by the Gordon River Iron Ore Company. The most important of the claims are the *Baden Powell, Little Bobs, and Sirdar*, which are in the Gordon valley, about seven miles from San Juan harbour.

The following description of these mineral claims is copied from Einar Lindeman's "Iron Ore Deposits of Vancouver and Texada Islands, British Columbia," published by the Canada Department of Mines in the Mines Branch Bull. No. 47, 1910, page 10. "An outcrop of magnetite is found on the flank of a ridge, along which it can be traced for 350 feet. In several places on the ridge a sharp contact between the ore and an igneous rock was observed. About 90 feet below this contact a tunnel 114 feet long had been run directly into the hill, showing magnetite in its full length, with the exception of a diorite dyke 8 feet wide about 30 feet from the mouth.

"An average sample of the ore taken along the tunnel gave the following analysis:—

	Per Cent.
Insoluble matter	8.88
Iron	58.30
Sulphur	2.75
Phosphorus	0.013