

deposit has been exposed for only about 15 feet very little is known concerning it. Contact metamorphic deposit, so far as is known, occur only on Hobee creek near the upper end of Torres channel, and since they follow a single contact, it may be better to consider them as a single deposit, as there is nothing to indicate that the ore does not follow the contact continuously between the points where its outcrops have been encountered. The orebody, which consists largely of magnetite carrying varying amounts of copper, exceeds 30 feet in thickness everywhere it has been exposed, and is at one point 150 feet in thickness. Outcrops have been discovered throughout a distance of 3,000 feet or more along the contact.

No coal seams in place have been found, but Tantalus conglomerate, which is always associated with coals in southern Yukon, occurs at several points, and a considerable amount of float coal has been found to the northeast of the lower end of Skoko lake where the seams from which this is derived should easily be found.

A considerable number of the mineral deposits occur along the shores of Taku arm and have thus direct boat connexion with the railway at Carcross. Most of the other occurrences are on, or within short distances of navigable waters, and are not far from the railway. In connexion with the utilization of these ores an order of the railway commission in 1910, that the freight rates charged by the White Pass and Yukon railway on ores, shall not exceed \$1.75 per ton from Caribou (Carcross) to Skagway, is of importance since the ores and concentrates can be sent by boat directly from Skagway to the various coast smelters.

In conclusion, it may be said, that Atlin mining district possesses quite a variety of economically valuable minerals which occur in places in deposits of considerable size, and that in some of the mineral veins, pockets of exceptionally rich gold ore have been found; also that practically all the deposits are readily accessible. The lode-mining industry in the district has made a good beginning and will probably continue to develop in the future. The results up to the present are particularly encouraging when it is remembered that since 1898, when mining commenced in the district, nearly all persons engaged in this industry have devoted practically all their attention to the gold-bearing gravels, and that, until very recently, there has been a relatively slight amount of prospecting for quartz.