

These locations, however, indicate that the mineralised belt will be found to pass into British Columbia, and that on such extension there is a promising field for the prospector.

The shore of the Arm was followed down to its southern end and the ridge to the west was found to continue unbroken, save where cut into by a couple of creeks.

The geological conditions existing in the vicinity of the *Montana* claim, appeared to continue to the southward into British Columbia territory and past the southern end of the Arm. The only exception to this was that within half a mile of the south end of the Arm, a bed of hard, dark slate cropped out on the west shore, its contact with the overlying igneous rocks being masked by the surface soil.

A prospector reported that this same slate is cut at an elevation of several hundred feet above the lake by Boundary creek, a creek that flows into the Arm from the west almost exactly on the 60th parallel. This contact, when traced out, should prove a profitable field for prospecting and is worthy of serious investigation.

On the east side of the Arm the mountains are even more precipitous than on the west, and seem to consist for the most part of the same class of igneous rocks seen on the west side of the Arm.

In the vicinity of the British Columbia boundary, about a mile to the east of Windy Arm, a mass of limestone was noted on the mountain side, and from float seen near by, it is probable that a band of slate will also be found on this side of the Arm, although its location has not been fixed. The contact of these sedimentaries with the igneous rocks, so prominent in the district, must be looked upon as likely to contain mineral, and is a section well worthy the attention of the prospector.

On the west side of Windy Arm, just south of the British Columbia-Yukon boundary, a townsite has been laid out on a gravelly point formed in the Arm by Boundary creek. Should the railway branch be built in from Log Cabin, it would pass through or near the townsite.

Accompanying this report is a map of the Atlin district, upon which is shown in red, as accurately as possible, the location of the claims and points herein referred to.

*Provincial Bureau of Mines,  
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