

To: W.M. Sirola
From: John C. Lund

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DOLLY VARDEN MINES LTD.

Assessment of the "Copper-Belt" Geochem

(I) Copper Belt Area:

Copper anomalies along this belt appear to be isolated, discontinuous and of low amplitude. The only section that may deserve further work is the southerly most part of the area sampled. A closer spaced sample pattern would better define the anomalous area for continuity. The survey could also be extended southward.

(II) Surprise Area:

A number of trenches have been dug in this area which show a range of values in both Ag and Cu. These trenches lie within or near the zone of anomalous copper as defined by the soil survey. Where three of the highest copper values occur, the sample site is near old workings. There is a possibility of salting from the dumps.

The anomalous area as defined by the 242 ppm Cu contour is 500' X 175' elongate in a north-northeasterly direction. If we consider values of >500 ppm as distinctly anomalous, the area of interest is about 200' X 100'.

The trenches show less than 1% Cu with the exception of one in the southwest corner of the anomaly. Assays on the south wall over 15' average about 2.96% Cu and 4.89 oz. Ag. On the north wall the values are less--0.56% Cu and 0.99 oz. Ag. Three of the most northerly and

easterly trenches have given assays of 5.6 oz. Ag and 0.37% Cu, across an average width of 4.5 feet.

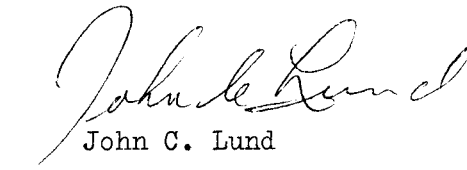
The distribution of trenches suggests a north-northwesterly trending Ag zone 200 feet long with generally low Cu values. This trend crosses that indicated by the Cu geochem. Veins in the Dolly Varden Mine have a northwesterly to west-northwesterly strike.

CONCLUSIONS:

The geochem does not suggest any large low grade area of mineralization, but rather indicates possibly a northeasterly vein type deposit. Since the rock types here are similar to those found at the Homestake deposit near the Kitsault glacier, mineralization could be similar. That is pods, lenses and veins of high grade Cu in shear zones near an intrusive contact.

RECOMMENDATIONS:

If Kerr is to do any work on the Dolly Varden Mine this area certainly deserves more work. Work could be done in the form of either (a) an EM 16 or I.P. Survey over the Surprise Area grid or (b) test possible northwesterly extension and continuity of the silver zone by diamond drill or by silver geochemistry. If the assay office has not thrown out the soil samples, they could be run for silver. The northern part of the Cu anomaly could be tested by a short drill hole.


John C. Lund

Dolly Varden Mines Ltd
 Surprise Area - Geochem (Cu)

--- Projected Ag Un.

Ave width - 4.5'

Assays: Ag - 5.603
 Cu - 0.37%

