

CORPORATION FALCONBRIDGE COPPER

FILE
MEMORANDUM

DATE: December 20, 1983
TO: A. J. Davidson
COPIES TO: D. H. Watkins
DE FROM: L. D. Pirie
SUJET SUBJECT: VIVA VENTURES - LOST CANYON, COPPER CANYON PROPERTIES

827434

92B/13W

On December 14th I visited Viva Ventures Ltd. in Nanaimo to review their data on two properties. The Copper Canyon property covers several claims and fractions approximately 1km due west of the Lenora area at Mount Sicker. The Lost Canyon property is near Kennedy Lake.

The main attribute of the Copper Canyon claims is that they lie along the continuation of the Mine fault. Several VLF anomalies are present at least one of which is the continuation of the VLF/DEEPEM anomaly which we have outlined. At least three old adits exist along the Chemainus River. These date back to the turn of the century. I have personally seen two of them and they seem to follow mineralized quartz veins within highly pyritic chlorite schists. My own impression is that the host rocks are well down in the footwall of the Lenora/Tyee orebody and that the veins and schist zones mark palaeo-channelways for the hydrothermal system. There is no evidence of any favourable horizons this deep in the stratigraphy. Likewise the lithogeochem which we have suggests no nearby venting with high Na₂O and only local noisy Ba, Cu and Zn values.

The only reason that I can see for acquiring these claims would be for protection should we pick up mineralization at depth to the west of the Lenora. Viva have had them for 12 years and they are in good standing till 1989 and beyond. The only major likely to pick them up is Aberford, who have the ground to the west. I would recommend waiting. They won't go away.

The Kennedy Lake area is in the news because of Multinationals well publicized exploration. The Lost Canyon claims cover the old Leora Gold Mine. Auriferous quartz-calcite-barite veins occur along a major E-W structure with possible relationships to cross structures. Grades of 3opt Au plus have been recorded over widths of 1-2 feet. The old workings consist of two drifts about 200-300 feet long. Approximately 450 tons averaging 0.7 opt Au are recorded as being extracted from a 20' zone where the mineralization average about 4' wide. Lateral extensions of this zone are apparently much narrower

(6-8 inches). Wallrocks are supposedly Karmutsen volcanics which have been silicified along a stratigraphic zone.

This appears to be a straight foward vein type situation but the potentially stratiform/volcanic stratigraphy/silicification combination merits at least a field check. Any significant results from Multinational, who are on an adjacent structure just to the north, might also provide a stimulus. I have intimated to Viva that we would like to pay a visit to the property in January, snow permitting.

A handwritten signature in dark ink, appearing to read "L. D. Pirie", written over a horizontal line.

L. D. Pirie

IDP/ik

