

IN THE VICINITY OF MATHINNA - WOODS AND PARTY

Introduction

I have to report that on April 19th Last I examined this prospect in connection with an application for assistance under the "Aid to Mining Act" for the purpose of further prospecting it by means of an adit.

Location and Access

The prospect is situated approximately five and a half miles west north west of the Mathinna township and may be reached from two places on McKerchers Road. This road branches from the old Mathinna-Blessington Road about three and a half miles from Mathinna. It crosses the Tyne River and then follows, on the south side of the river the South Esk, to McKercher's property. The prospect may be reached either from W. Cockers homestead, six miles from Mathinna by a track which runs in a general north easterly direction over the steep ridge that rises between Merry Creek and the South Esk, or by following the valley of Merry Creek a distance of over two miles from its confluence with the South Esk approximately one mile below Cockers.

Geology

Cambro-Ordovician slates and quartzites of the Mathinna series are the only rocks exposed in this area. The general strike is north west, with steep north easterly dips.

Prospecting Operations

Three trenches have exposed quartz in a general north easterly direction. The central one, No. 1, on a bearing of 250° is approximately 20 feet long and has uncovered a formation of about 3 feet 6 inches in width. From east to west it is made up as follows:- 19 inches broken quartz and chlorite, 16 inches of mullock mainly chlorite and 6 inches quartz. Pyrite and chalcopyrite were observed sparsely disseminated throughout, the former predominating.

The eastern limit is marked by a hard clean wall coursing north 15° east, while the western extent is not so well defined but shows silification approximately six or seven feet.

Assay results from channel samples taken across the formation indicates its value.

No.	<u>Location</u>		<u>Assay Result</u>		
			<u>ozs.</u>	<u>dwt.</u>	<u>grns.</u>
1.	South Wall No. 1 trench	Gold	0	0	19
		Silver	0	0	6
2.	6 ft across South wall	Gold	0	0	19
		Silver	0	0	6
3.	11 ft along bottom	Gold	0	0	19
		Silver	0	1	7

A sample of selected quartz gave gold and silver nil.

Two trenches, one to the north and the other to the south were opened up on what was thought to be the extension of the lode in No. 1 trench.

No. 2 trench is located one and three quarter chains south of No. 1 and although put down in line failed to expose more than a few quartz stringers.

A grab sample from this gave the following result:-

Gold	-	Nil
Silver	-	Nil

One chain, north 15° west from No. 1 another trench was cut across the supposed continuation to the north but revealed only a few stringers of quartz in the form of lenses.

Conclusions and Recommendations

Although a relatively large "formation" was exposed in one trench, other trenches failed to locate any continuation of it. This "formation" undoubtedly represents a bulge on a lode chann for quartz occurs on each side of a mullocky band composed mainly of chlorite. While the eastern wall is well defined the western one is indeterminate, passing by almost imperceptible graduation into the slate .

Therefore in view of the nature of the deposit and the exceedingly low gold content, it is evident that the prospect does not offer sufficient encouragement to warrant further exploration.

ACTING FIELD GEOLOGIST

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