

G. LOWE'S GOLD PROSPECTS AT MATHINNA

Gordon Lowe's prospects on the Mathinna field were visited on 10th November, 1959. His prospect shaft, for which financial assistance was granted by the Department, has been completed to 50 feet. This shaft is about 100 feet north-east of the Old Boys Consolidated Shaft (later called the Volunteer Consolidated Shaft), and 30 feet west of an old prospect shaft which has collapsed.

Inspector R.J. Muir sampled a quartz vein in Lowe's shaft on three occasions. He referred to the shaft as Prospect A. The assay results of his sampling were as follows :-

<u>Date</u>	<u>Depth of Shaft</u>	<u>Vein Width</u>	<u>Gold Content per Ton</u>		
			<u>ozs.</u>	<u>dwt.</u>	<u>grs.</u>
19.5.54	17 feet	9 inches	3	8	0
23.3.59	12 feet	9 inches		19	2
21.4.59	20 feet	6 inches		18	2
		(two samples)}		9	4

This shaft is vertical for the first 25 feet, and in following the quartz vein becomes an underlay for the remaining distance. The strike of the vein is easterly and the dip is to the south, flattening to 60° at the bottom of the shaft where the quartz is in the form of narrow stringers.

In addition to the vein sampled, there is some iron-stained quartz (not fully exposed) on the hanging wall of the shaft.

The results of sampling on 10th November 1959 were :-

<u>Depth</u>	<u>Location of Sample</u>	<u>Sample No.</u>	<u>Vein Width</u>	<u>Gold Content</u>
				<u>per ton</u>
45 feet	East Wall	906	3 inches	Trace
48 feet	West Wall	907	1 inch	1 dwt. 1 gr.

There appears to be no encouragement for further development from this shaft at depth.

About 200 yards to the south is the second prospect, called Prospect C by Muir. It is 50 feet north of Kitto and Thurley's Dawn of Hope Mine, on land formerly held by the Old Boys Gold Mining Company. The new shaft is very close to a line of old workings north of the Dawn of Hope shaft, and has been sunk on a vein striking at 010° Mag., which is apparently a branch vein from that followed in the north drive from the Dawn of Hope.

The results of Muir's sampling of this prospect were :-

<u>Date</u>	<u>Depth of Shaft</u>	<u>Location of sample</u>	<u>Vein Width</u>	<u>Gold Content per ton</u>		
				<u>ozs.</u>	<u>dwt.</u>	<u>grs.</u>
19.5.54	5 feet		4"	1	10	0
23.3.59	12 "	N.E. corner	8"		13	2
23.3.59	12 "	N.W. "	2"		Trace	
23.3.59	12 "	S.W. "	6"		3	16

Sampling of the south wall of the shaft at a depth of 11 feet on 10th November 1959 gave the following results :-

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<u>Sample No.</u>	<u>Assay No.</u> <u>Dept. Mines</u> <u>Liton</u>	<u>Vein</u> <u>width</u>	<u>Gold Content per Ton</u>		
			<u>ozs.</u>	<u>dwts.</u>	<u>grs.</u>
3	908	18 inches	1	1	
4	909	3 "	2	15	

Sample 3 was cut from a mass of quartz stringers and slate in the south-east corner of the shaft. This was 18 inches in the footwall of the 3 inch quartz vein which was cut for sample No. 4. This 3 inch vein was in the south-west corner of the shaft, and should correspond to the 6 inch vein and to the 8 inch vein sampled by Muir, as the vein runs roughly diagonally across the bottom of the shaft. The vein varies considerably in width and narrows into stringers along strike and down dip.

In view of the poor gold content of the quartz in the prospect, further work on it is not recommended.



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