

MEMORANDUM:

Heathorns Gold Prospect, New River.

Further to my memorandum of 3rd instant relative to the above show, the assay results of the nine samples recently taken by me are now to hand and show encouraging results.

The positions of the samples are shown on the plan accompanying the memorandum of 3rd instant. The grades of ore are shown by the following assay results :-

No. of Sample.	Width. inches.	Gold.			Silver.		
		oz	dwt	gns	oz	dwt	gns
1	5	5	11	5	0	14	9
2	6	2	19	5	0	10	9
3	10	0	8	19	0	2	19
4	12	0	6	19	0	2	0
5	12	0	4	19	0	1	5
6	5		Nil			Nil	
7	1½	0	2	2	0	0	12
8	9	0	1	7	0	0	12
9	20	0	2	20	0	0	19

Of these samples the first three were taken from the original workings at the position previously blocked by spoil from the rise being put in to connect with the air shaft. Since my report of 6th February the level has been cleaned out and an irregular shallow winze sunk on the vein. At the time of this visit the winze was full of water, but after pumping the level of the water was reduced to only a few inches and sample No. one was taken. The sample was taken across the vein from three positions each about five inches in width on the bottom of the winze. As the sample was taken from under water there is a possibility of contamination but the sample is regarded as representative of approximately two feet six inches in length over a width of five inches of the vein at that position.

At the same time as the winze was being sunk a short westerly drive was also put in. Sample No. two was taken from near floor level in the face of this drive. This position would therefore be about ten feet west of and four feet above the position of No. one sample. Its grade of 2oz 19dwt 5gns per ton shows that the grade of ore persists for at least that distance westerly.

Sample No. three was taken over a width of ten inches from the roof of the latter drive to the west. Its position is therefore about midway between Nos. one and two samples and at a height of about six feet above No. two and ten feet above No. one sample. Its greater width suggests that the vein is narrowing with depth but with so little development done no prophecy is justified as to the condition of the vein with depth or the trend of the high grade shoot of ore within the vein.

2.

In what has been referred to as the New Adit situated about 700 feet south east from the main adit some driving on the vein and shallow winzing have been carried out. Samples were taken from the face of the drive and from the bottom of the winze. The grades of ore are recorded as samples Nos. four and five and show a marked improvement on previous samples taken. Further development is justified.

At a position 1700 feet from the main adit and about 400 feet in altitude above it a series of prospect holes have been sunk on a vein which strikes in a northerly direction. Four holes have been sunk showing vein material ranging in width from one and a half inches to twenty inches. One sample was taken from each of the prespect holes and the assay results have shown grades of up to 2dwt 20gns per ton. Further prospecting, by trenching is justified on this vein.

The position of the vein is outside the eastern boundary of the 50 acre lease partly in Crown Land and partly on purchased property. The land is at present not secured as a mining tenement.

Signed: H.G.W.Keid,
CHIEF GEOLOGIST.

The Director of Mines,
HOBART.

10th April, 1951.