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NEW CONSOLIDATED GOLD FIELDS (A'SIA) PTY. LIMITED.

S.P.L. 403

LOILA TIER TIN PROSPECT

SCAMANDER, TASMANIA

MICROFILMED

PROGRESS REPORT NO. 1

by

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INTRODUCTION

A report on the Loila Tier Prospect was prepared by the writer in April 1967, and this report should be read in conjunction with the initial report.

In the initial report an exploration programme was proposed. This programme was subsequently approved by the Consolidated Syndicate and the present report is a Progress Report on this programme.

The exploration programme was carried out by the writer and Mr. H. Carthew from the 26th June to the 14th July. Mr. Forsythe, now resident geologist at Zeehan, joined the field party at Scamander for the last week of this period. Two local casual assistants, Mr. H. Williams and Mr. L. Price were also employed for 15 days and 11 days respectively.

EXPLORATION CARRIED OUT

The following work, which agrees closely with the initially proposed programme, was carried out during the three week period :-

- 1) A 5000 feet base line with an accompanying grid was pegged over the area of interest.
- 2) A series of 24 pits were dug to bedrock at representative intervals on the grid. These served as a guide to geological mapping and soil sampling.
- 3) The grid area was geologically mapped on a scale 1" = 200 ft.
- 4) A geochemical survey based on residual soil sampling was conducted over the grid. The samples were collected according to the initially proposed programme. Altogether 180 samples were collected and submitted for spectrographic analysis of tin, tungsten, copper, lead, zinc and arsenic to Australian Mineral Development Laboratories.
- 5) Six costeans were bulldozed on the grid area by a contractor, Mr. A.D. Lohrey of St. Marys. This work amounted to 37 hours at \$8 per hour and was within the original cost estimate for bulldozing.
- 6) The costeans were geologically inspected and chip rock

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sampling carried out. This amounted to 54 samples which were submitted to AMDEL for assay of tin and tungsten.

- 7) The elevation of the control points on the base line of the grid were obtained by Abney level and a topographic map showing form lines at 40 ft. vertical intervals compiled for the grid area.
- 8) Stream sediment sampling was carried out in all the creeks draining from the area of interest. The aim of this work was to obtain coverage of the 2 square mile S.P.L. and perhaps localise any other deposit in the lease. Altogether, 18 samples were collected and submitted for spectrographic analysis of Sn, W, Cu, Pb, Zn, and As.
- 9) Two other prospects were visited in the Scamander area i.e. the Great Pyramid tin prospect and the Orieco copper mine. Literature relating to these prospects was studied.

It is anticipated that the cost of the exploration will be within the original cost estimate of \$3,000.

PRELIMINARY ASSESSMENT

Although no conclusive estimate of the potential of the prospect can be made until the results of all the sampling are known the following is a preliminary assessment based on the information to date.

It became apparent during the geological mapping that the tin mineralisation at Loila Tier was of a similar nature and occurrence to that at the Great Pyramid tin prospect i.e. the tin mineralisation, consisting essentially of cassiterite, is located in N.E. trending fractures which cross N.W. striking quartzite beds of the Mathinna group. The main difference between the two deposits is that the quartzites at Great Pyramid are far more massive and numerous than those at the Loila prospect. Hence of the two prospects the Great Pyramid appears to have a much better potential.

FURTHER INVESTIGATION

The preliminary assessment indicates that the chances of a large scale mining operation at the Lolla Tier Prospect are slight and hence further investigation may not be warranted. A final report will be written on receipt of the outstanding assay information.

However, the potential at the Great Pyramid appears much better. This prospect was investigated by B.H.P. during 1964-65 but they appeared not to have recognised the essential controls of the deposit. Additional investigations utilising B.H.P. work could be readily carried out for a modest expenditure. The work envisaged is bulldozing, mapping and sampling leading to diamond drilling from existing adits. It is considered that this prospect of 2 square miles is worthy of an option from the present holder, Mr. L. Price of Scamander. A suggested price for the option is \$1,000.

The old Orieco copper mine appears to be too low in potential tonnage to be worthy of present consideration but if we became established in the area the aspect of copper mineralisation would be worthy of consideration on a much broader scale.

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