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A.C.I. - CONSOLIDATED SYNDICATE JOINT VENTURE

SUMMARY REVIEW OF EXPLORATION PROJECTS

COMPLETED ON E.L. 48/70 AND E.L. 49/70

WESTERN TASMANIA

1970 - 1972

L.A. Neunham

by: L.A. NEUNHAM
RENISON LIMITED

DECEMBER 1972

INTRODUCTION:

On 16th September 1970, Renison Limited, (on behalf of The Consolidated Syndicate) and Australian Consolidated Industries Limited, simultaneously applied for a 460 square mile Exploration Licence on the West Coast of Tasmania lying between Cranville Harbour and Sandy Cape.

On the 10th of December 1970, the Director of Mines (Hobart), granted the Northern half of the area to A.C.I. under Exploration Licence E.L. 49/70 and the Southern half of the area to Renison Limited, under Exploration Licence E.L. 40/70.

A.C.I. and the Consolidated Syndicate then agreed to joint venture the two areas together, and regional exploration of the area began in the 1970-71 summer.

Under the Joint Venture Agreement, holding interests in the joint area were:-

A.C.I. 50%
Renison 16.2/3%
Mt. Lyell 16.2/3%
C.G.F.A. 16.2/3%

It was agreed that Renison manage the area, under the direction of a Joint Venture committee.

During 1970-71, an aeromagnetic survey was flown over most of the area and geochemical sampling of the Interview River workings commenced.

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During 1971-72, extensive geological mapping, dune sampling, and geochemical rock, soil and stream sediment sampling programmes were completed on the coastal plain area between Granville Harbour and Sandy Cape.

Following an evaluation of the results from these surveys, the whole of E.L. 49/70 was relinquished and only 40 square miles of E.L. 48/70 were retained, around the Pieman River heads area.

In 1972-73, further geochemical sampling and geological mapping in this area failed to define areas worthy of further exploratory work.

In November 1972, E.L. 48/70 was relinquished.

Total expenditure on the Joint Venture area was \$127,234, spent in the following manner:-

1970-71	:		\$30,324
1971-72	:	\$73,133	\$88,568
1972-73	:	\$4,229	\$8,342
			<u>\$127,234</u>

Thus A.C.I. contributed \$63,617 and each Syndicate company \$21,206.

Since the relinquishment, the area surrounding the Interview River workings has been applied for by M.P. Munday and the remainder of the area has been pegged by Esso Minerals Pty. Limited.

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1970-71 EXPLORATORY PROGRAMMES:

Details of work completed in this year are contained in two reports:-

- (i) "Interpretation Report for Consolidated Syndicate of the Queenstown Aeromagnetic Survey", by Q42h Compagnie Generale de Geophysique. ✓
- (ii) "1970-71 Annual Report E.L. 48/70 and E.L. 49/70, North Western Tasmania", by L.A. Neunham. ✓

The major exploratory effort for the year was the flying of an aeromagnetic survey over 430 square miles of the area. This survey was designed to reduce the overall area of interest to several smaller areas. It was flown at 2700 feet on 0.4 mile line spacings.

A considerable number of anomalies were outlined but for reasons of access, cost etc., only those nearest the coast were followed up on the ground in subsequent years. W

In addition to the above survey, some preliminary mapping and geochemical surveys were commenced around the Interview River workings. The target being sought in this area was a large low grade stockworks type of wolframite deposit. |

3. 1971-72 EXPLORATORY PROGRAMMES:

Details of work completed during this year are contained in a two part report:-

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"1971-72 Annual Report, E.L. 48/70 and E.L. 49/70
North Western Tasmania" by D.H. Bell.

Exploration during the year was aimed at locating mineralization either within or adjacent to several coastal Devonian Granite bodies. Exploratory programmes consisted of reconnaissance mapping, regional stream sediment sampling, and soil and rock sampling in selected areas.

More detailed work was undertaken in the vicinity of the Interview River workings and the South Pieman Heads Granite body. In both these areas, grids were laid out and soil sampled, and the general areas were geologically mapped in some detail.

Following the completion of the above programmes, the Joint Venture Committee decided that the only area of real interest was around the Pieman Heads granites where high tin and copper values had been obtained both in the stream sediments and the soils sampled.

The whole of E.L. 49/70 was thus relinquished and E.L. 48/70 was reduced to 39 square miles around the Pieman Heads.

4. 1972-73 EXPLORATORY PROGRAMMES:

Previously obtained exploration data pertaining to this reduced area of 39 square miles was recompiled into a report titled:

"Interim Report on E.L. 48/70, Pieman Area" by L.A. Neunham, dated 4.8.'72.

On the basis of this recompilation, it was decided to extend the Pieman Heads grid and undertake further detailed mapping, soil sampling and ground magnetometer surveys on this extended grid, over the Websters Creek - Violet Rivulet area where several high order copper and tin stream sediment anomalies had previously been obtained.

This work was completed in August-September 1973 and results were presented in the report:

"Report on Field Work Completed on
Pieman Heads Grid August-September 1972" ✓
by R.R. Schellekens, dated October 1972.

These results were generally discouraging, and it was subsequently agreed by all the Joint Venture partners to relinquish the area.

The area was relinquished in November 1972.



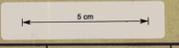
PROJECT PIEMAN
 Geological Reliability Diagram and Locality Plan

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BASE PLAN compiled from sheets 7814 and 7914 (edition 1) series R.661: Australia 1:100,000 Topographic Survey and from Tasmanian 1:250,000 sheet 2 (1st. edition)
 GRID in metres on Australian metric grid.

- NO GROUND COVERAGE (photo-geological and aeromagnetic surveys only)
- RECONNAISSANCE STREAM SEDIMENT SAMPLING AND GEOLOGICAL MAPPING
- DETAILED GROUND SURVEYS (including geological mapping, ground magnetometry, and geochemical soil sampling)
- EXPLORATION LICENCE BOUNDARIES (December 1970)
- December 1971
- June 1972



DATE OF COMPILATION	JUNE 1972
COMPILED BY	D. H. BELL
SCALE	1:50,000

FIGURE 1

Fig 1

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