

**FIRST REPORT ON HAWKIN-TUCKER PROSPECT
UPPER SCAMANDER
SPL 334**

November 1951

**Electrolytic Zinc Company of Australasia LTD
By G Hall**

02-4685

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AMG REFERENCE POINTS ADDED

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ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
West Coast Department

MEMORANDUM to:

The Superintendent

Attached please find Report on an inspection of the Tucker-Hawkins Arsenic-Gold Prospect on the East Coast. It is recommended that Mr. Tucker be advised that the deposit is far too small to be of interest to us and that we do not wish to take an option over the property.

G. H.

Chief Geologist

Rosebery. 20.11.'51.

I N T R O D U C T I O N

The Upper Scamander Arsenic - Gold Prospect was drawn to our attention by Messrs. W. Ewert Tucker and O. W. Hawkins, who hold a 40 acre lease over the deposit. A preliminary inspection was made by G.H. on November 6th with a view to determining whether we wished to option the property. Several hours were spent at the outcrop, in company with Mr. Tucker and Mr. C. Semmens.

L O C A T I O N

The Deposit lies 6 miles southwest of St. Helens and 6 miles northwest of Scamander, on the east side of Copper Creek about 200 yards above its junction with the Scamander River (See Plate 1). It was reached by following Hogan's St. Helens to Mathinna track for 13 miles from St. Helens and thence by travelling 3 miles on foot in an easterly direction. Hogan's track serves forest areas and alluvial tin deposits, but is barely trafficable over the last 4 miles. The country traversed by it is all granite. It is timbered with ironbark, peppermint gum and casualina. Topography is "ridgely". Divides and valleys are narrow and slopes steep; relief approximates 400 ft. Easterly from Hogan's track the granite gives way to steeply dipping quartzite and phyllite formations that strike northwesterly. The prospect is located in these sediments.

G E O L O G Y

There seems to be no record of previous work and there has been no production of

ore. Workings consist of a series of shallow surface trenches, put in across the lode at 50 ft. to 80 ft. intervals. A 20 ft. x 6 ft. opencut about 10 ft. deep has been put down on the best exposure and 30 ft. below the surface at this place a 50 ft. drive has been put in along the lode from a short adit. Results of chip sampling the underground workings are shown on Plate 2.

The ore mineral consists solely of arsenopyrite, which is auriferous. * Partly weathered arsenopyrite can be found within a few feet of the surface, but in places a gossanous crust is present and this shows the typical yellow green colour of oxidising arsenical ore. This mineralisation is contained within a dense grey quartzite which is fractured and shattered. The quartzite band is up to 40 ft. wide and is interbedded with shale and phyllite. It dips 70° southwest and strikes northwest. Its boundary is slickensided and faulted and several fracture patterns criss-cross it. The dominating series of fracture cross the quartzite normal to the walls and dip 70° northwest. They occur every few inches but at 30' - 100' intervals along the strike of the quartzite they assume the magnitude of faults and offset the beds to northeast on the northwest side of the fault. At these places and on the northwest side of the faults, small pipe like concentrations of arsenopyrite are found. They are up to 4 ft. in width and 10' - 20' in length. Surrounding quartzite is devoid of sulphide and carries only traces of gold. The large bulk of quartzite on the outcrop shows little evidence of minerals having been introduced and/or leached from it. Outcrops are lacking at several places along the 4000' length of quartzite "lode" where faults are indicated and there the lode has not been tested.

The chance of discovering even moderate tonnages of ore however, is too slight to warrant the Company becoming interested in further work.

- * Picked specimens have yielded 5% - 6% arsenic with up to 30 dwt. of gold and minor amounts of lead, zinc, copper and silver.

Galton Hall

22-11-57.

AMG REFERENCE POINTS ADDED



Plan of EAST COAST AREAS

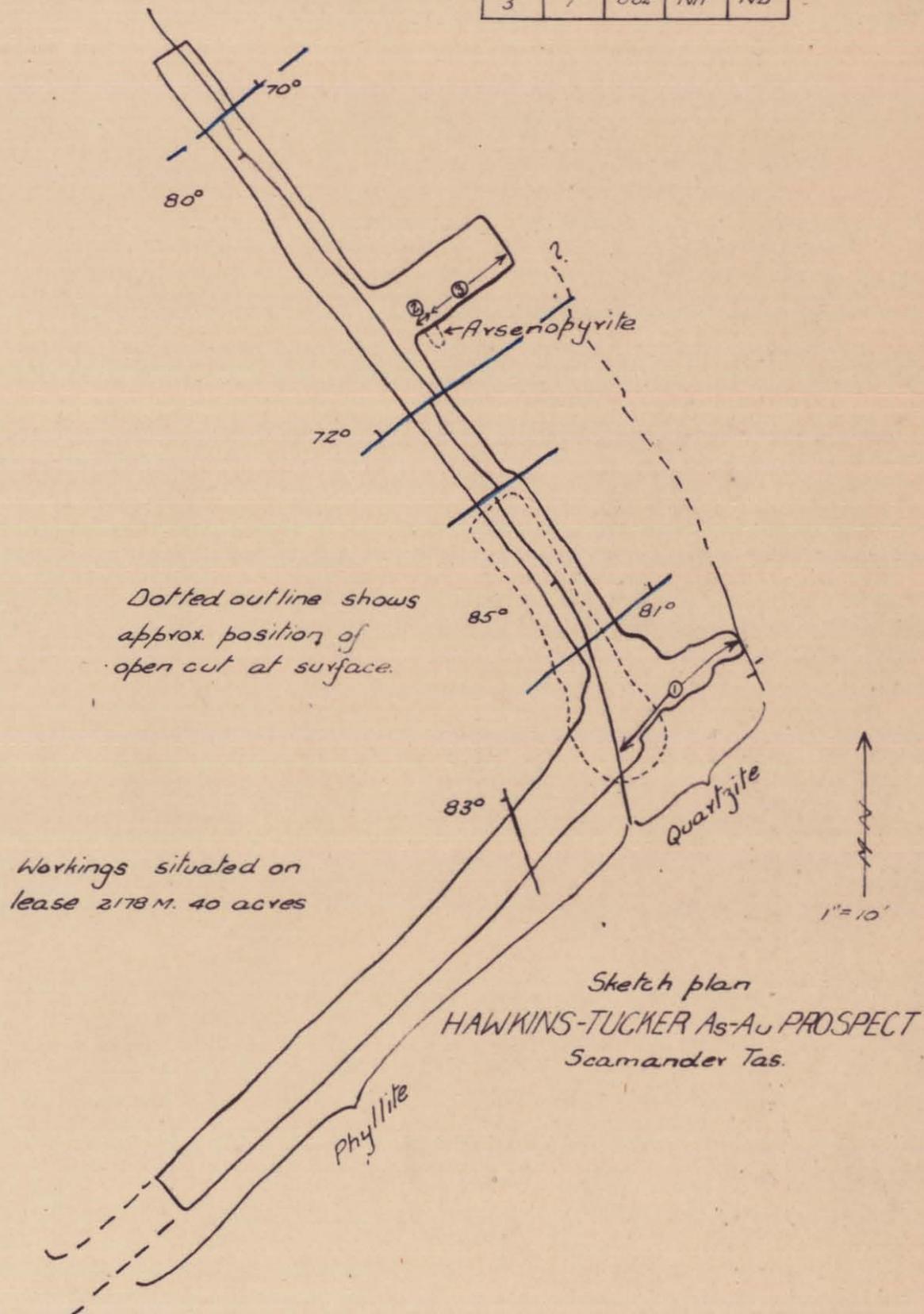
Showing location of
Hawkins-Tucker As-Au Prospect
Eastern Copper Prospect
Behr Pb-Zn Prospect

5 cm

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Sampling Results				
No	Width	Ag	Au	As
1	18	0.07	Nil	Trace
2	1	0.8	0.01	27.5
3	7	0.02	Nil	ND

Chip Samples



Dotted outline shows approx. position of open cut at surface.

Workings situated on lease 2178 M. 40 acres

Sketch plan
HAWKINS-TUCKER As-Au PROSPECT
Scamander Tas.

1" = 10'