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PROJECT NAME: AUSTRALIAN ANGLO AMERICAN - TRIAKO MINES N.L. GROUPRINGAROOMA JOINT VENTURE

TITLE:

E.L. 2/77Quarterly Reporttothe Department of Mines, Tasmania,for the period 8/6/83 to 7/9/83.

AREA NAME/S, STATE 1:250,000 SHEET NO/S & COORDINATES:

South Mt. Cameron
 SK55-4 Launceston
 E5 70 000 N54 50 000

COMMODITY/IES: Tin

TEXT PAGES NO: 3

PLAN NOS: Location Plan - TAS-10-165
TAS-10-49TABLE NOS: 2 TAS-10-159
TAS-10-161

APPENDICES: TAS-10-162

AUTHOR/S: R.A.A. Munro

DATE: 13.9.83.

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

E.L. 2/77

QUARTERLY REPORT TO THE DEPARTMENT OF MINES,
TASMANIA FOR THE PERIOD 8/6/83 to 7/9/83.

1. INTRODUCTION

Australian Anglo American Prospecting Pty Ltd. and Triako Mines N.L. Group are exploring for alluvial tin in the far north east of Tasmania, under a Joint Venture agreement. The principal tenements involved in the joint venture are:-

<u>Tenement</u>	<u>Company</u>
E.L. 28/76	Moruka Tin Pty Ltd.
E.L. 2/77	Triako Mines N.L. and Buka Minerals.
A.P. 1/80	Triako Mines N.L. and Buka Minerals.

The location of these tenements is shown on the attached plan.

2. WORK DONE

For E.L. 2/77 exploration during the quarter has centred on the areas proposed for future study in the last review, namely Picketts Plain and two locations in the East Banca area

PICKETTS PLAIN - RINGAROOMA BASIN

Seven holes have been completed with the company cable tool rigs in a programme designed as follow up work investigating basin structure and drainage pattern.

Six of the holes form a line east-west at approximately 5458000m. N. These holes together with two RRC holes from last year transect the Ringarooma Basin (south of the Endurance Lead) between an outlying granite spur (west), and Tertiary sediment of known thickness (east). The location of these holes is shown on figures TAS-10-159 and TAS-10-49. TAS-10-161 is a profile of the east-west line. Results for the seven holes (a total of 303m.) are appended as table 1.

This drilling has now been completed. The results, as often is the case, are somewhat inconclusive. The goal of locating a trough of sufficient depth (below 25m. R.L.) to link the Endurance Lead system with the Eastern Leads-Pioneer Lead system has not been realized. The previously drilled hole RRC 21 remains the deepest hole. The relatively

2.

flat nature of the basement throughout this line does little to support the concept of an entrenched gutter in the middle of the basin. The possibility of a deep gutter proximal to the granite spur has been investigated by RP 5 and RP 6. This possibility cannot be discounted as slopes of granite margins elsewhere in the Ringarooma Basin are frequently quite steep. Hole RP 7 further contributes to negating the theory of a gutter lying close to the granite margin.

Mineralization levels for cassiterite are low. The vertical distribution for cassiterite is; low surface values, low to moderate sub-surface to mid-hole values and low to very low basal values. Three colours of gold and minor coarse cassiterite were recovered from the base of RP 2. A local source for this occurrence is suggested.

East Banca: A short programme of percussion drilling at East Banca on the swampy eastern river flat of the Boobyalla River has been completed.

In 1971-73 B.M.I. Mining Pty Ltd. sank thirty two auger holes in three lines to indicate a buried gutter parallel and east of the present river. Their drilling suggested gutter depths of upto 50 metres. Deep auger drilling was considered unreliable in this case.

Since this initial exploration the East Banca flats have been regarded as worthy of further investigation. Two previous attempts to drill this area were abandoned by Amdex/A.A.A. for wet weather/tenement control reasons.

The current programme was designed to redrill the deepest auger hole (Al42-unbottomed) on the second line. B.P. 1 intersected granite basement at 17 metres, but was incorrectly located. Subsequent survey work from first principles re-located Al42 in swamp. B.P. 2 was drilled close to Al42. Although deeper than B.P. 1 it only indicated a deepening of Tertiary sediments to the east. A gutter has not been located.

In view of the absence of cassiterite below a sub-surface wash horizon, and indications that the axis of any gutter may be sub-basaltic and lie to the east under Martins Hill further investigations are not warranted.

Boobyalla Basin: In early August the drilling rig from East Banca was transferred two kilometres to the north where two holes (and a third still in progress) have been sited to complement earlier drilling. Two bores have been completed at 200m. spacings, west of Tasmanian Government

3.

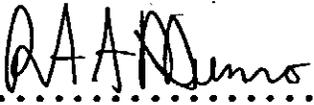
Bore 1. These holes have confirmed a rising granite basement profile to the west. This terminates at a newly mapped, (ie not on the Ringarooma 1:50,000 sheet) outcrop 250m. west of the second hole B.P. 4. Both holes lacked any traces of mineralization below 8 metres.

A third hole - B.P. 5 is currently in progress midway between bores 11000E and 12000E on the B.H.P. (1965) - 1.83km drill line. The siting of this hole is based on a recommendation in the B.H.P. report (Chestnut, W.S. - 1965).

3. FUTURE PROGRAMME

Drilling is at present being undertaken on mineral leases at West Endurance with one company rig. The second rig is expected to be deployed at this location soon. Investigation of the portion of the Endurance Lead, dislocated by the "West Endurance Fault" is the reason for this activity. Holes along one of the planned drill lines will at times locate on EL 2/77.

Forward planning past mid-October is dependant on the outcome of a decision on the recommendation of an in-house report. This report reviews the future mining and exploration prospects for the North East Tasmania tenements.



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R.A.A. Munro,
N.E. REGIONAL GEOLOGIST,
TASMANIA. 7254

I, OSVALDO TIBURCIO FILOMENO FONSECA of 56 Partridge Crescent, Frankston in the State of Victoria, Chief Accountant, DO SOLEMNLY AND SINCERELY DECLARE as follows:

That in the three months ended 31 August 1983 we have expended \$36 609 on Exploration Licence 2/77, analysed as follows -

	\$
(a) Operational staff costs	7 183
(b) General operational expenses	1 086
(c) Transport and travel	2 029
(d) Tenement costs	312
(e) Contractors	984
(f) Specialist services	-
(g) Drilling and treatment	23 909
(h) Capital expenditure	-
(i) Administration costs	1 106
	<u>36 609</u>

AND I MAKE this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of an Act of the Parliament of Victoria rendering persons making a false declaration punishable for wilful and corrupt perjury.

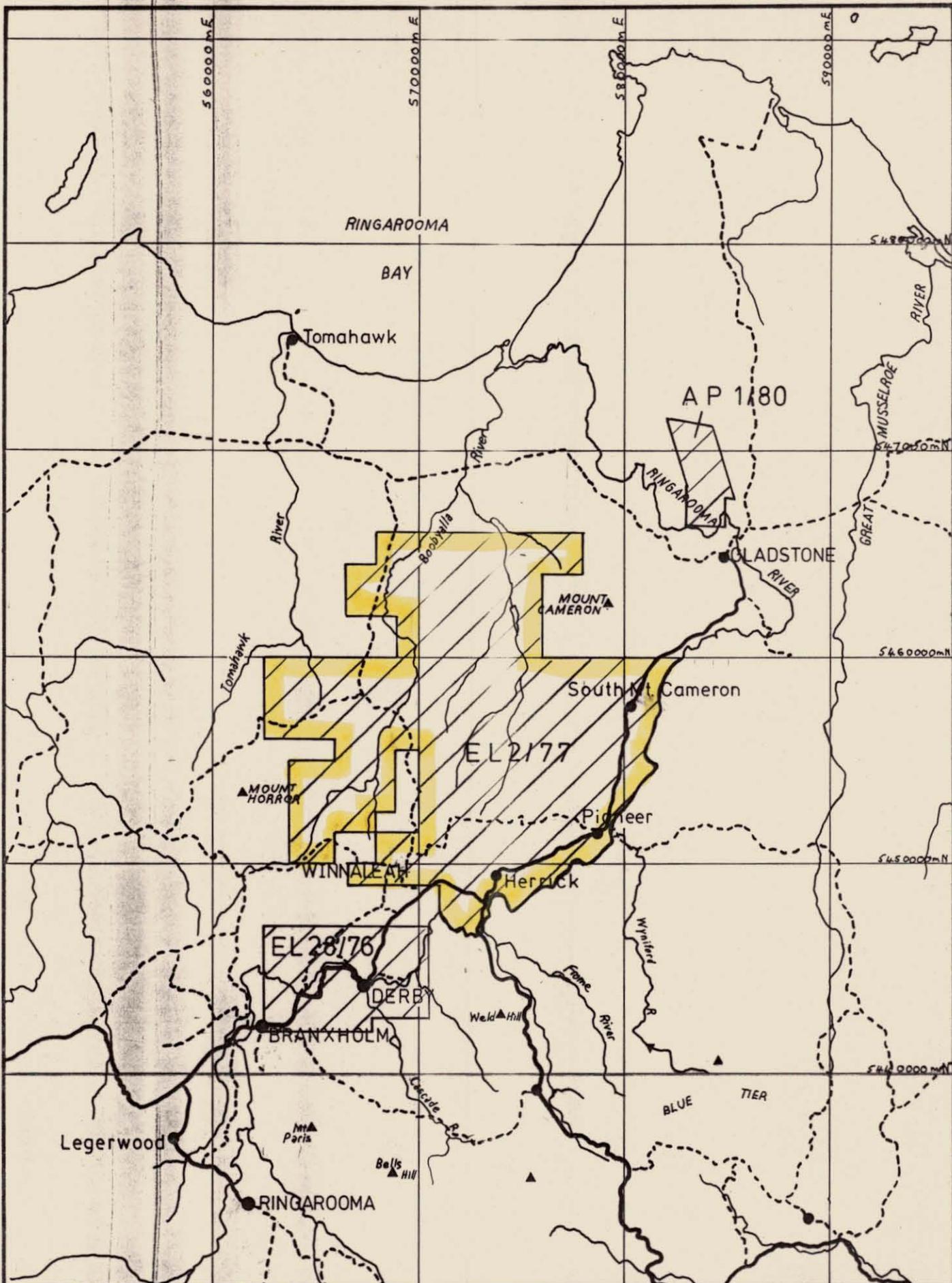
DECLARED AT *Melbourne*)
 in the State of Victoria)
 this *21st* day of)
September 1983)

O. Fonseca

Before me:

[Signature]

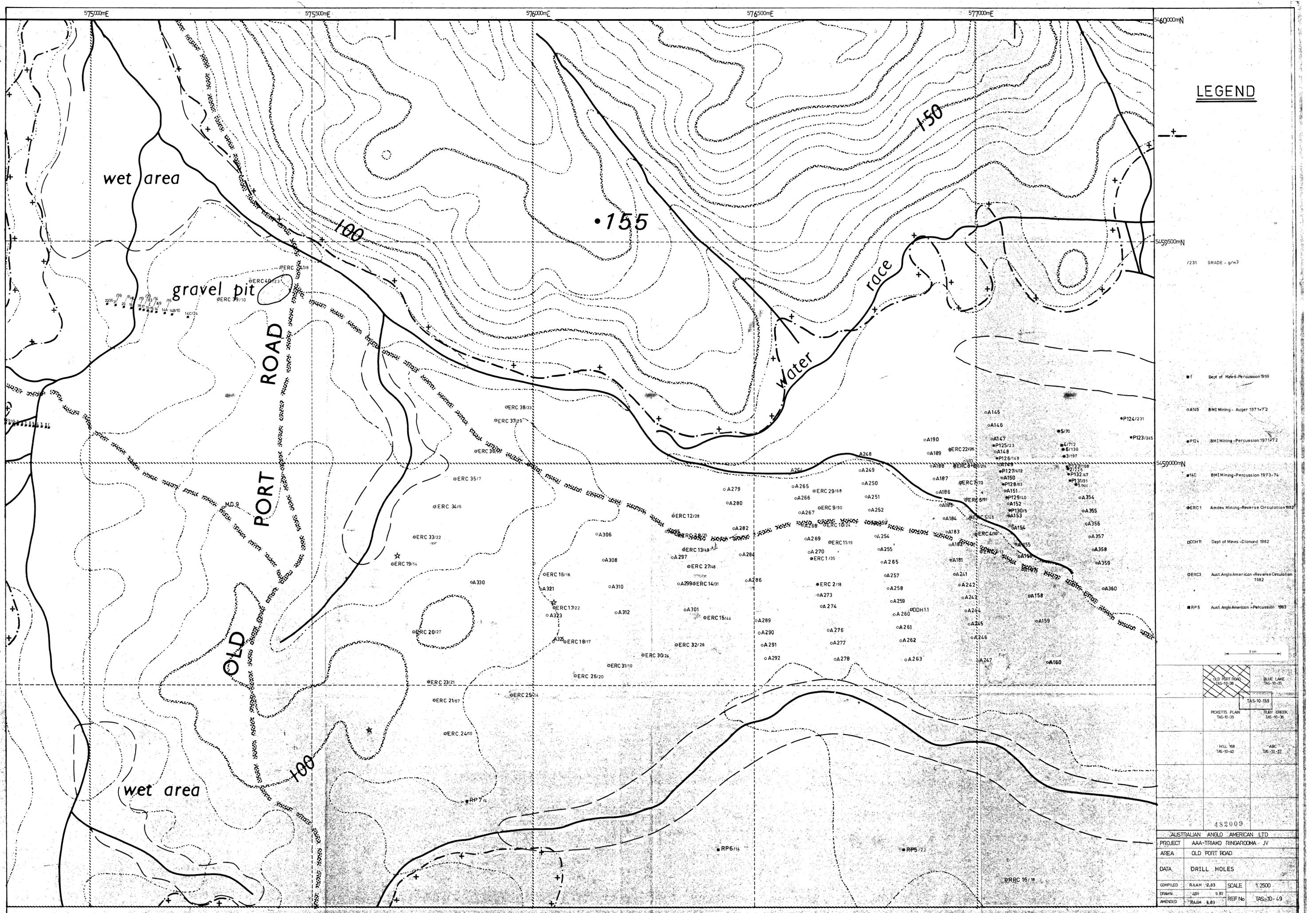
A Commissioner for taking Declarations and Affidavits under the Evidence Act 1958.



AUSTRALIAN ANGLO AMERICAN LIMITED
 A.A.A. - TRIAKO JOINT VENTURE
 NORTH EAST TASMANIA
 TENEMENT LOCATION MAP

5 cm

COMPILED R.A.M.	DRAWN R.A.M.	SCALE 1: 250 000	TAS-10-165
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LEGEND

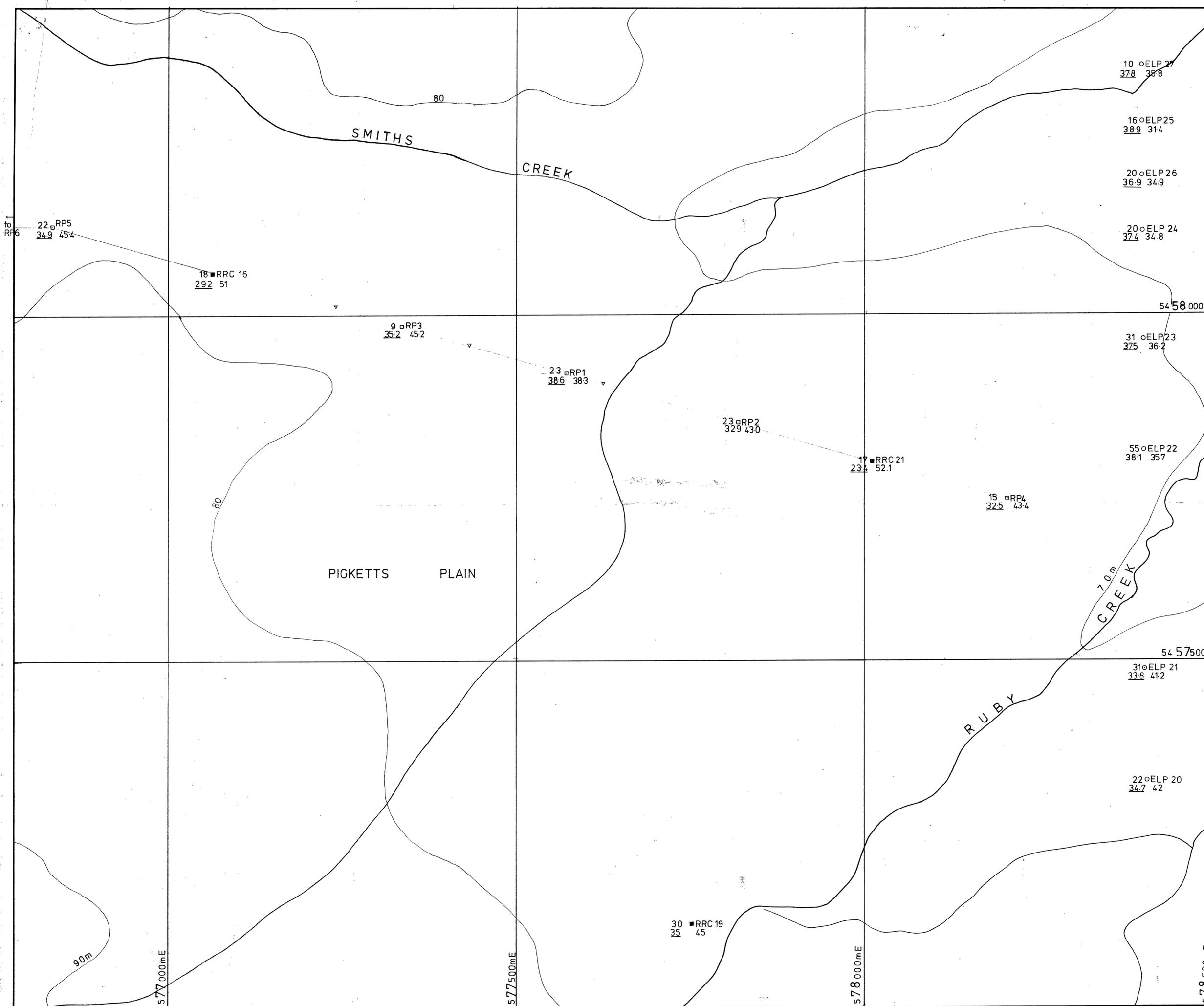
- + GRADE - g/m³
- 1/231 GRADE - g/m³
- *f Dept of Mines - Percussion 1969
- oA145 B.M. Mining - Auger 1971-72
- *P124 B.M. Mining - Percussion 1971-72
- *P123/345
- *14C B.M. Mining - Percussion 1973-74
- *ERC1 Amdex Mining - Reverse Circulation 1982
- DDDH1 Dept of Mines - Diamond 1982
- *ERC3 Aust Anglo American - Reverse Circulation 1982
- *RP5 Aust Anglo American - Percussion 1983

5 cm

OLD PORT ROAD TAS-10-35	BLUE LAKE TAS-10-35
TAS-10-39	TAS-10-36
PICKETS PLAN TAS-10-39	TRILEY CREEK TAS-10-36
HILL 168 TAS-10-40	ABC TAS-10-37

482009

AUSTRALIAN ANGLo AMERICAN LTD	
PROJECT	AAA-TRIARKO RINGAROOMA - JV
AREA	OLD PORT ROAD
DATA	DRILL HOLES
COMPILED	RAAM 2.83
SCALE	1:2500
DRAWN	JOH 9.82
AMENDED	RAAM 8.83
REF No	TAS-10-49



LEGEND

- A.A.A. DRILLING**
- GRADE - gSnO₂/m³
 - ELP 24 EASTERN LEADS
 - 374 34.8 — DEPTH TO BASEMENT (m)
 - R.L. — BASEMENT (m)
 - RRC16 RINGAROOMA BASIN - Reverse Circulation.
 - RP1 RINGAROOMA BASIN - Percussion

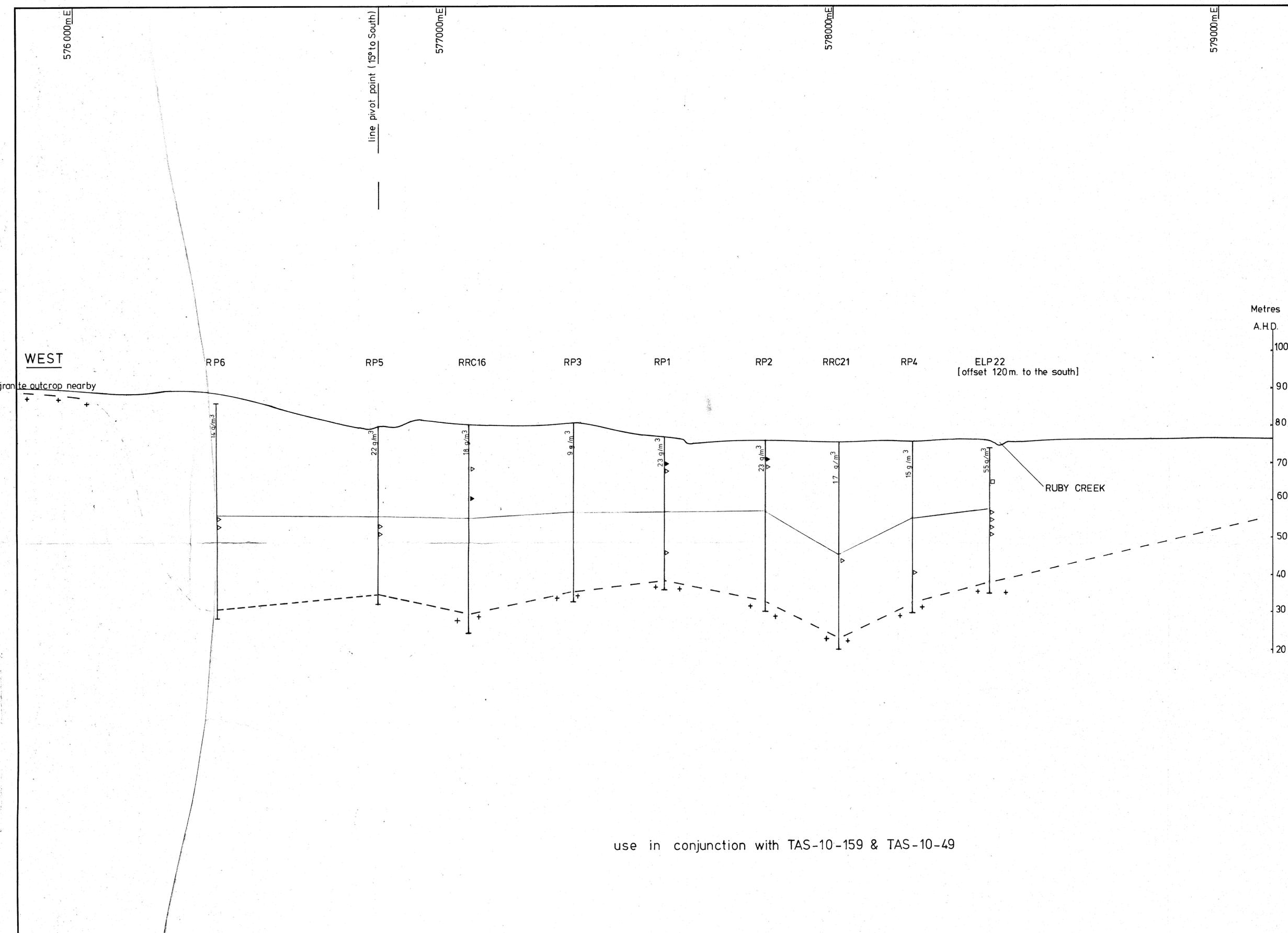
..... Drill Line - Cross Section

▽ survey station

482010



AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	A.A.A.-TRIAKO MINES J.V.		
AREA	PICKETTS PLAIN - N.E. TASMANIA		
DATA	RINGARODMA BASIN - DRILL HOLE LOCATION MAP		
COMPILED	R. Munro 6/80	SCALE	1:2500
DRAWN	"	REF No	TAS-10-159
AMENDED			



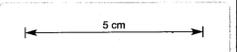
LEGEND

▽	SAMPLE INTERVAL - GRADE	50 - 99 g/m ³
▲	" "	100 249 g/m ³
□	" "	250 + g/m ³

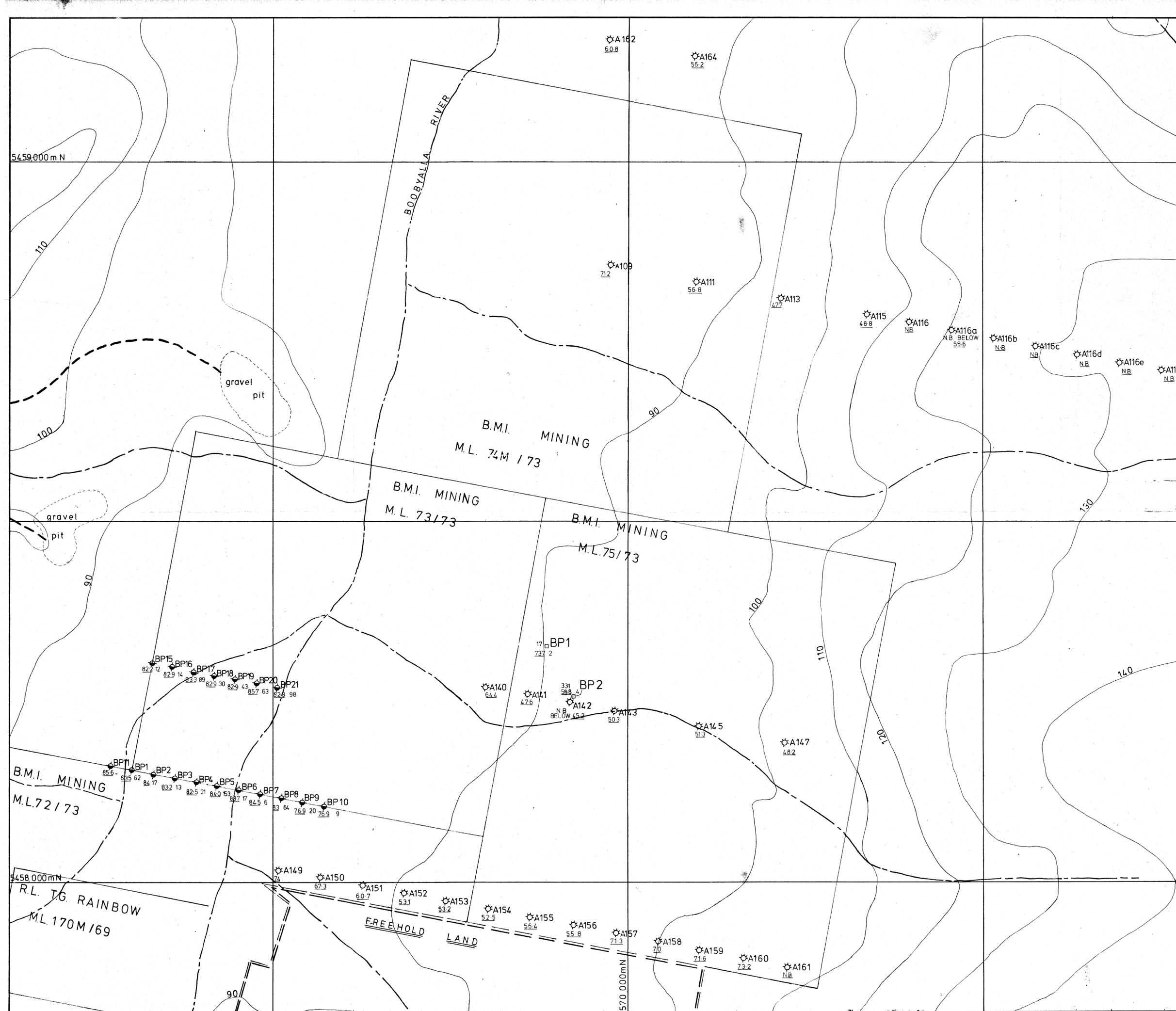
— upper wash boundary

use in conjunction with TAS-10-159 & TAS-10-49

482011



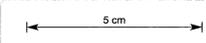
AUSTRALIAN ANGLo AMERICAN LTD			
PROJECT	A.A. - TRIAKO MINES GROUP J. V.		
AREA	PICKETTS PLAIN - N.E. TASMANIA.		
DATA	EAST-WEST (mag.) CROSS SECTION RINGAROOMA BASIN DRILLING PROGRAMME		
COMPILED	R. Munro 7/83	SCALE	V 1:500 H 1:5000
DRAWN	" "	REF No	TAS-10-161
AMENDED	" "		



LEGEND

- BP 1 B.M.I. MINING PERCUSSION SAMPLE HOLES.
 83.5 62 — grade-g/m³ basement R.L. (m)
- A111 B.M.I. MINING AUGER HOLES - Unreliable Drilling.
 56.8 — basement R.L.
- BP1 depth to basement (m) grade-g/m³ basement R.L. (m)
 17 2 —
- NB - BASEMENT NOT REACHED

- TRACKS
- STREAMS



482012

AUSTRALIAN ANGLIO AMERICAN LTD			
PROJECT	AAA - TRIAKO MINES J.V.		
AREA	EAST BANCA - N.E. Tasmania		
DATA	DRILL HOLE LOCATION MAP		
COMPILED	R. MUNRO	SCALE	1 : 2400
DRAWN	" "	REF No	TAS-10-162
AMENDED			