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# Allstate Explorations N. L.

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SUMMARY REPORT ON AUGER AND ROTARY DRILLING

ON LINES 1 TO 4, E.L. 17/73

BEACONSFIELD

**MICROFILMED**

**OPEN FILE**

T.E. Bates  
Senior Geologist

30th November, 1979

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SUMMARY

During the period May to October 1979 a total of 84 holes were drilled on four lines using auger and rotary drilling methods. Three of the holes were deepened by diamond drilling.

The drilling was carried out by H.J. Stacpoole from Launceston who used a tractor drawn Gemco rig.

The breakdown of drilling completed is as follows:

Auger drilling	566.2 m
Rotary drilling	849.3 m
Daimond drilling	37.9 m

Most samples were split in the field and about 80% of samples have been analysed for Cu, Pb, Zn, As, Au, Ag.

Ten anomalous zones numbered 1 to 10 have been defined on the four lines completed. An adequate explanation is provided for anomaly 1 and no further investigation is required. Anomalies 7, 8 and 10 do not warrant further investigation at this stage due to their low magnitude. Further work is recommended on the other six anomalies.

INTRODUCTION

During May and June 1979 a shallow geochemical drilling program was commenced on E.L. 17/73 to test targets recommended by Bates (1979a). Holes RB1 to RB52 were drilled on three separate lines and results are discussed in an earlier report (Bates 1979b).

In this program some additional drilling was carried out on the first three lines and line 4 was completed. Holes RB53 to RB70, RB72, RB74 and RB78 to RB89 were completed in two separate phases between July and October. This drilling involved 247.5 metres of auger drilling and 442 metres of rotary drilling. In addition holes RB8, RB34 and RB80 were deepened by diamond drilling (total 37.9 metres of coring).

Drill logs with Au, Ag, As and Cu assay results for holes RB1 to RB52 are attached to the earlier report (Bates 1979b). Drill logs with assay results for the remaining holes are attached to this report.

The complete geological map for Exploration Licence 17/73 accompanies an earlier report (Bates 1979a). This map shows the position of the various target zones.

Geological maps and plans, (3), surrounding the target areas covered in the 2 drilling programs together with sections showing geological and assay results are attached to this report.

NOTES ON DRILLING AND SAMPLING

The drilling and sampling techniques were discussed in a previous report (Bates 1979b) and it was concluded that these were effective.

During this later phase of the program some difficulties were encountered which were not apparent in the earlier part of the program. These are discussed below.

i) Poor Sample Return and Jammed Rods

Little difficulty occurred in obtaining large samples from depths down to 30 metres in the previous program when rotary drilling. In this phase some difficulty occurred in many holes in obtaining samples from depths below 15 metres. This was apparently due to two contributing factors. Firstly, ground moisture content, and secondly, the moisture content of the air appeared to be much higher in the period July to October than in the earlier part of the year. As a result the fine clay, silt and sand produced as cuttings was quite damp and caked on the hole sides above the bit. This caused deteriorating sample return with increasing depth and in some cases, led to the premature abandonment of holes. A secondary problem created as a result of this was that when rocks were pulled the material stuck to the hole sides built up behind the bit resulting in jamming of rods. Although this problem did not add significantly to the cost of the program, it resulted in much slower progress than anticipated, as it frequently took up to two hours to pull rods from depths below 20 metres.

ii) Wet Sediments on Line 4

A thick sequence of wet swamp deposits consisting of silts and soft clays was encountered beneath the laterite cap on Line 4. As these soft sediments closed in on the rods rotary drilling using air to return cuttings could not be carried out. After auger drilling as far as practical the

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holes were then cased and rotary drilling proceeded using water to return cuttings. Casing generally had to be sunk to 20 metres before satisfactory sample return could be obtained. Lack of a suitable water supply and the depth of the swamp deposits resulted in a decision to drill holes at a wider spacing on the north end of Line 4 and holes RB71, RB73, RB75, RB76 and RB77 were not drilled.

iii) Diamond Drilling

Most diamond drilling problems were the result of the soft weathered and very fractured ground being drilled. This caused blocking of the barrel and grinding of the core. Overall, only about 50% core recovery was obtained from the three holes deepened. On various runs core recovery varied from 0 to 100%. Recovery from RB8 was particularly bad.

DISCUSSION OF RESULTS

A) Geology

Superficial geology overlying the weathered basement of Transition Beds is simple on Line 2 and considerably more complex on Lines 1 and 4. Line 3 geology is of intermediate complexity.

On Line 2 on the eastern flank of Cabbage Tree Hill a simple sequence of light textured silty sand soil overlies pale yellow grey to yellow brown sandy clay probably derived from very weathered scree derived from Transition Beds. These horizons overlie deeply weathered pale yellow grey to yellow brown very weathered fine to medium grained sandstones and quartz sandstones of the Transition Beds. Most of the horizon is probably weathered in situ but some may be scree. Between RB23 and RB28 up to 9 metres of fill occurs in an area of old gold workings. Some relatively fresh hard grey sandstone in the Transition Beds is encountered in holes RB21, RB23, RB27, RB87, RB88. On Line 3 the superficial geology

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is also relatively simple. The line occurs on the eastern flank of Cabbage Tree Hill and crosses the valley of Brandy Creek. Silty soil forms the uppermost horizon and overlies a zone of yellow brown clays and sandy clay as on Line 2. The lower horizon grades into and the soil overlies coarse alluvial gravels sand and silt in the channel of Brandy Creek. Underlying this sequence on most of the line is a laterite sequence that includes brick red to red brown clays and a lower horizon of fine yellow grey to yellow brown gravels with rounded pebbles of sandstone, some of which are ferruginous, and vein quartz. This laterite sequence is absent from Line 2 but well developed on Lines 1 and 4. On Line 3 the sequence of weathered Transition Beds is similar to that on Line 2 except that it is thinner and in places the beds are rich in sericite. On Line 3 relatively hard fresh quartz sandstone and quartzite is much closer to the surface and directly underlies the alluvial in Brandy Creek. At depth some holes intersect fine grained blue grey to blue black phyllites which are part of the Transition Beds. The most significant feature on Line 3 is a medium sized mineralised quartz vein intersected in holes RB34 and RB35 which dips south at about 55°.

The superficial geology on Lines 1 and 4 is considerably more complex than on Lines 2 and 3. This is because Lines 1 and 4 are closer to the Deep Lead.

Topsoil and the underlying clay horizon is only present on the south end of Line 1 where it overlies the laterite sequence, and also on the south end of Line 4 where it overlies a thick sequence of blue grey sills and grits in an old stream channel, interpreted as being the same age as the Brandy Creek alluvial on Line 3. Most of the surface over Lines 1 and 4 has been destroyed by human activity and fill of varying thicknesses up to

7.5 metres occurs along most of Line 1. The area of deepest fill probably coincides with old gold workings and corresponds to a similar zone on Line 2.

The laterite sequence is well developed on both lines and on Line 1 up to 10 metres thick. The sequence consists mainly of brick red to red brown and orange brown clays which vary from firm to soft and sticky. Interbedded with the clay are a hard ferruginous laterite cap with numerous vein quartz fragments that is especially well developed on Line 4, paler orange brown to grey brown soft silty clays with gravel bands, and soft bright orange brown silty sands. The red clays are frequently mottled and streaked pale grey, yellow grey and yellow brown. Outcrops near Line 1 indicate the sequence was formed by laterization of thin bedded waterlaid silts.

In the central portion of Line 1 the laterite sequence overlies a zone of brown to grey brown soft sticky silty clays interpreted as being weathered alluvial derived from the Transition Beds. Laterally and vertically this sequence passes into very weathered Transition Beds as on Lines 2 and 3. The sequence appears as fine yellow grey to yellow brown silty sand with variable amounts of clay and very weathered fine to medium grained sandstone chips. Drilling conditions in this sequence vary from soft to hard. Some dark relatively fresh fine grained sandstone and phyllite has been intersected below 25 metres in holes RB9, RB10, RB11 and RB80.

On Line 4 the laterite sequence is thinner than on Line 1 and at the north end of the line overlies a sequence of soft wet interbedded silt, clay and gravel beds interpreted as swamp deposits. On the central part of the line the deposits are thin but between holes RB66 and RB70 they thicken rapidly to a maximum of 30 metres in an old stream channel.

The swamp deposits directly overlie very weathered Transition Beds. On the central part of the line the upper part of this sequence consists of white to very pale grey and cream silty sand with common white clay, (kaolin?). This passes down into a very weathered leached zone of medium to coarse grained sandstone that has been stained to varying degrees of grey brown, dark brown and black by the deposition of manganese compounds. On the south part of the line this horizon grades down into weathered Transition Beds as on other lines except that they are rich in sericite in this area. The upper white horizon is missing from the northern end of the line. The bleaching and manganese staining of the weathered Transition Beds are thought to be related to fluctuating water tables and the old swamp deposits.

B) Geochemistry

For the sake of completeness the results of both programs are covered in this section.

About 90% of samples were split and about 80% of samples were analysed by S.G.S. in Sydney for Cu, Pb, Zn, As, Au, Ag by atomic absorption methods. Splits of samples are stored at Beaconsfield.

Ten anomalous zones have been recognised on the four lines. Only one of the anomalous zones lacks gold values. For the purposes of this report gold values of 0.02 ppm and above are regarded as anomalous, but one isolated value is not considered to constitute an anomalous zone.

Based on the geochemical results the following mineralised assemblages may be present.

- i) gold (nos. 7, 8, 9)
- ii) gold arsenic (nos. 1, 2, 5)
- iii) gold arsenic copper silver lead (no. 3)
- iv) gold arsenic copper lead (no. 4)
- v) gold arsenic zinc (no. 6)
- vi) lead zinc (no. 10)

Line 1

Incomplete sampling of earlier holes makes interpretation of the southern part of the line difficult. Holes RB8 and RB80 were deepened by diamond drilling to try to explain the nature of anomaly 3 which is associated with strongly pyritic and gossanous dark fine grained sandstones and phyllites.

Anomaly 1: The anomaly occurs between holes RB2 and RB6 as a blanket shaped zone 6 to 10 metres below surface and up to 4.5 metres thick. The depth of this anomaly below surface indicates it is unlikely to be caused by contamination or earlier mining activity.

Gold values between 0.02 and 38.4 ppm occur with most being below 0.20 ppm. Arsenic values range between 140 and 1300 ppm. The highest gold value is accompanied by 3.5 ppm Ag. This high value and the other higher values are found in holes RB5 and RB6.

Plotting of Line 1 drill holes on Section CC indicates that old workings on the main reef occur between RB5 and RB 6 and RB5 terminated in a cavity.

The anomaly is hence interpreted as representing dispersion in a southerly direction from the main reef by weathering process with some values probably representing weak mineralisation in subsidiary fractures in a halo around the reef. Deep weathering has probably removed any associated base metal values.

Anomaly 2: This occurs in the laterite sequence in holes RB5 and RB9 but because of irregular sampling is not well defined. Gold values range from 0.03 to 1.86 ppm Au. The associated arsenic anomaly is of lesser intensity and more erratic than that associated with anomaly 1. One low level silver anomaly and two weakly anomalous copper values occur.

As the anomaly occurs in the laterite sequence it is thought that it is most likely caused by gold bearing detritus derived from higher on Cabbage Tree Hill.

Anomaly 3: This is the largest and most significant anomaly located by the drilling program. It occurs between 15 and 25 metres in holes RB8 to RB81. Gold values range from 0.02 to 6.20 ppm with eleven samples exceeding 1.00 ppm. Two centres occur, one in hole RB9, the other in RB80. The anomaly differs from other anomalies as it is accompanied by moderate to strong silver anomalies and significant copper and lead anomalies as well as strong arsenic anomalies. Average gold and silver grades for the best section in each hole are as follows:

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<u>Hole No.</u>	<u>From</u>	<u>To</u>	<u>Width</u>	<u>Au ppm</u>	<u>Ag ppm</u>
RB9	18.0m	27.0m	9.0m	3.23	5.75
RB10	16.5m	21.0m	4.5m	1.05	0.66
RB11	16.5m	24.0m	7.5m	0.19	-
RB79	19.5m	25.5m	6.0m	2.45	56.50
RB80	15.0m	19.5m	4.5m	2.13	4.62
RB81	18.0m	21.0m	3.0m	0.23	2.50

Chips from the mineralised zone indicate the rock consists of fine dark grey sandstone and phyllite with abundant pyrite and some pyrite quartz veins. Some zones are quite gossanous.

RB8 was deepened by diamond drilling to see if the mineralisation was caused by a major south dipping mineralised zone parallel to the Tasmania Reef. The ground was very weathered and broken and very poor core recovery was obtained. The hole terminated in a cavity. Only low gold values were obtained from core and sludge and hence no significant south dipping zone occurs.

RB80 was collared 3 metres east of RB79 and rotary drilled to 18.0m, 1.5m above the first strongly mineralised sample in RB79. Core obtained contained many stony gossanous fractures many of which are sub-parallel to the core. Abundant fine fractures with heavy pyrite mineralisation and some quartz also occurred. Assaying indicated the best mineralised zone occurred between 15.0 and 18.0 metres. This together with the mineralised zone in RB79 indicates a mineralised zone dipping west at 55° with a true width of 1.75m and averaging 4.24 ppm Au and 50.5 ppm Ag.

Anomaly 3 would hence seem to be caused by a west dipping strongly pyritized fracture zone carrying gold and silver mineralisation and striking roughly parallel to Line 1.

Anomaly 4: The anomaly is situated between holes RB79 and RB89. The zone is blanket like and the top is 2.5 metres below surface at RB79 and 5.0 metres below surface in RB89. Gold values range from 0.07 to 25.9 ppm Au and are accompanied by high arsenic, some moderate lead and weak copper values.

Most of the zone coincides with the laterite sequence, but as there is considerable evidence of disturbance by mining activity in the area at least some contamination is considered likely. The highest values occur beneath hard zones containing abundant quartz, quartzite and grit fragments. These are interpreted as hard laterite cap, but they could be the foundations of old mine buildings or buried mullock dumps. The anomaly is similar in character to anomaly 2 but has higher values.

Line 2

Anomaly 5: A poorly defined rather weak anomaly occurs in holes RB23 to RB88. Holes at either end have lowest values and penetrate to greatest depth. In the central area higher values occur under fill in a zone of old workings. In this area several holes terminate at shallow depth in cavities.

Gold values range from 0.02 to 0.99 ppm and are associated with erratic moderate arsenic and a few weak anomalous lead values. No anomalous silver zinc or copper values occur. The anomaly is considered to represent a halo around a more strongly mineralised zone beneath holes RB24, RB25 and RB26.

Line 3

Anomaly 6: This occurs between holes RB34 and RB36 and coincides with a medium sized pyritic quartz vein. High arsenic values and weak zinc values accompany low grade gold mineralisation up to 1.50 ppm Au. Samples of core from RB34 indicate the rocks in the area are very shattered blue grey to blue black pyritic shales and sandstone with a moderate size quartz vein dipping south. All lithologies are crushed and seem affected by faulting.

Associated with this anomaly are gossanous quartz vein samples collected from an old dump over a small shaft some 40 metres east of the anomaly. The samples all gave strongly anomalous arsenic results and gold values of 0.19 ppm, 4.80 ppm, 3.50 ppm and 11.8 ppm.

Anomaly 7: Very low gold values occur in the bottom of hole RB41 with no accompanying base metal, silver or arsenic values. The anomaly could represent a very weak halo near a mineralised vein. Alternatively, and most likely as only gold values occur in the fresh rock, contamination from the gravels in the Brandy Creek is possible. Significant contamination did occur in this hole and the alluvial material in Brandy Creek is known to be gold bearing.

Anomaly 8: Very low gold values ranging from 0.02 to 0.05 ppm occur in holes RB46, RB47 and RB48. The values probably represent very low concentrations of gold in small veins in the Transition Beds, and perhaps represent a halo around a larger vein.

Line 4

Anomaly 9: This weak anomaly with values of 0.02 to 0.09 ppm Au occurs in hole RB69. The chips from the hole are quite pyritic but no other metals show anomalous values. The hole is situated close to a deep sediment filled channel that could represent a zone of fracturing. The anomaly may hence indicate a halo above a more heavily mineralised fracture zone.

Anomaly 10: In hole RB78 two samples are strongly anomalous in lead and zinc, i.e. 875 and 980 ppm Pb and 2860 and 1940 ppm Zn. No explanation is obvious for this anomaly.

CONCLUSIONS AND RECOMMENDATIONS

The program of auger and rotary drilling has proved an effective way of outlining anomalous zones for further investigation.

The following additional work is recommended:

- 1) Lineaments 5 & 6 should each be covered with a line of drill holes as recommended in an earlier report (Bates, 1979b). The lines have already been pegged out and a bond has been lodged with the Mines Department to allow the work to commence.
- 2) Priority should be given to the further detailed investigations of anomalies 3 and 4 on Line 1. Two target situations may exist:
  - i) A pyritized fracture zone containing one or more heavily mineralised zones that dip west. This zone may be a widespread low grade zone in the angle between the intersection of the Tasmania Reef and the Main Cross Course, alternatively it may contain narrow vein type deposits.
  - ii) A possible low grade shallow open cut situation may exist with two levels of mineralisation. The upper one is represented by mineralisation in the laterite horizon. The lower one by anomaly 3. If the five intersections in the 40 metre length between RB9 and RB81 are averaged out the average depth of the mineralised zone is 5.75m with a grade of 1.74 ppm Au and 12.23 ppm Ag. Size range of the lower level target is considered to be between 30 x 50 x 5.75m (say 17,250 tonnes) to 50 x 150 x 5.75m (86,250 tonnes). If grades approached those in the horizon between RB9 and RB81 ore would have a value of approximately \$25 per ton.

To test these concepts a shallow diamond drill hole should be drilled at an inclination of  $45^{\circ}$  in an easterly direction beneath the zone. Additional rotary auger holes should be drilled on similar spacing either side of Line 1 between RB8 and RB81.

- 3) Anomaly 6 should be investigated further. It is recommended that additional auger and rotary drilling be carried out on either side of Line 3 at the south end with lines about 30 to 40 metres from Line 3 and parallel to it. If further anomalies are encountered diamond drilling of a shallow inclined hole in a northerly direction should be undertaken.
- 4) Anomaly 9 should be diamond drilled. The drill should be inclined in a northerly direction and directed to pass well beneath the old stream channel indicated by hole RB70. Although this anomaly is a low order one the presence of abundant pyrite in the Transition Beds near what could be a major north easterly striking fracture zone warrants investigation.
- 5) Information obtained from the investigation of anomalies 3 and 4 should enable a decision to be made on whether further work is needed or not on anomaly 5.

REFERENCES

- Bates, T.E. 1979a Report on the Geology, Mineralisation and Exploration Potential on E.L. 17/73 Beaconsfield  
Allstate Explorations NL Report
- Bates, T.E. 1979b Report on Auger and Rotary Drilling on E.L. 17/73  
Beaconsfield. Lines 1 - 3  
Holes RB1 to RB52

APPENDICES

RB53 to RB70, RB72, RB74, RB78 to RB89

Drill logs RB8 and RB34 (Diamond Drilling)

Drill logs RB80 includes diamond drilling

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## SUMMARY OF DRILL LOG DATA

Hole No. RB8 Job No. \_\_\_\_\_ Section No Line 1  
 Property Beaconsfield Licence No. E.L.17/73

Co-ordinates of collar:  
 East \_\_\_\_\_ North \_\_\_\_\_  
 Datum \_\_\_\_\_ Elevation \_\_\_\_\_

Type of drilling Auger/Rotary/Diamond Length of hole 31.0 m

Hole cased:  

Size	From	To	Left in hole
	0	27.0	NIL

Core size	From	To
Auger	0	7.5
Rotary	7.5	18.3
HQ	18.3	31.0

Logged by T.E.Bates  
 Signed \_\_\_\_\_  
 Date 17/8/79  
 Feet \_\_\_\_\_ Metres \_\_\_\_\_

Date started \_\_\_\_\_  
 Date finished 17/8/79  
 Drilling contractor H.J.Steppole

At	Surveys Dip	Correct Dip	Bearing
0	Vertical	Vertical	

Assays by General Superintendence Co.Pty.Ltd.  
Alexandria, Sydney  
 Location of core Beaconsfield  
 Water encountered \_\_\_\_\_  
 Depth \_\_\_\_\_  
 Hole plugged Yes

Sheet No 1  
 Hole No RB8 Line 1  
 Length of Hole 18.0 m

Property Beaconsfield, Tasmania  
 Licence No. E.L.17.73  
 From To Date 23.5.79

From	To	Auger to 7.5 m. Assays by General Superintendence Co.Pty.Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 shown as - Description of core	Sample No	Footage		Length	Core assays PPM			
				From	To		Au	Ag	As	Cu
0	0.3	Fill brown soil, sand, stones.								
0.3	0.5	Clay red brown soft sticky.								
0.5	2.6	Clay, brick red getting darker. Firm to hard.								
2.6	3.2	Silty clay, brick red soft crumbly.								
3.2	4.0	Silty sand orange brown changing rapidly to yellow, soft with sub angular quartz grit.	AS243	3.2	4.0	0.8	0.48	-	10	22
4.0	5.2	Clay reddish brown, soft silty.								
5.2	7.0	Silty clay, dark grey brown with abundant angular chips with'd adetn and quartz (could be fill). From 5.3 auger making loud metallic scream. Sounds like rubbing against iron rail.								
7.0	7.5	Silty sand, bright orange yellow soft.	AS244	7.0	7.5	0.5	1.86	1.0	350	45
7.5	7.8	Silty sand as above								
7.8	9.2	Silty clay pale grey soft sticky								
9.2	10.6	Silt hard and gritty at top passes into soft yellow grey silt.	AS245	9.2	10.6	1.4	0.38	-	230	41
10.6	13.0	Silt some clay, pale grey soft.								
13.0	13.5	Silt as above, fragments of weathered sandstone.	AS246	13.0	13.5	0.5	0.02	-	90	12
13.5	15.0	Silty sand, pale yellow grey, common chips of weathered sandstone (could be scree or weathered basement)	AS247	13.5	15.0	1.5	0.03	-	140	14
15.0	16.5	Silty sand, as above more sandstone chips.	AS248	15.0	16.5	1.5	0.04	-	90	14
16.5	18.0	Silty sand, as above drilling getting steadily harder.	AS249	16.5	18.0	1.5	0.05	1.0	150	18



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## SUMMARY OF DRILL LOG DATA

Hole No. BB34 Job No. \_\_\_\_\_ Section No. Line 3  
 Property Peaconsfield Licence No. E.J.17/73

Co-ordinates of collar:  
 East \_\_\_\_\_ North \_\_\_\_\_  
 Datum \_\_\_\_\_ Elevation \_\_\_\_\_

Type of drilling Auger/Rotary/Diamond Length of hole 30.65 m

Hole cased:			
Size	From	To	Left in hole
	0	27.8	NIL

Core size	From	To
Auger	0	6.0
Rock Roller	6.0	18.35
NQ	18.35	30.65

Logged by T.E. Bates  
 Signed \_\_\_\_\_  
 Date 16/8/79  
 Feet \_\_\_\_\_ Metres \_\_\_\_\_

Date started \_\_\_\_\_  
 Date finished 13/8/79  
 Drilling contractor H.J. Stacpoole

At	Surveys Dip	Correct Dip	Bearing
0	Vertical	Vertical	

Assays by General Superintendence Co. Pty. Ltd.  
Sydney.  
 Location of core Peaconsfield  
 Water encountered 17.0 m  
 Depth \_\_\_\_\_  
 Hole plugged Yes

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# DRILL LOG

118024

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Sheet No 1  
 Hole No RB 3b Line 3  
 Length of Hole 18.0 m.

Property Beaconsfield, Tasmania.  
 Licence No. E.L. 17/73  
 From ..... To ..... Date 6.6.79

m	To	Auger Drilling to 6.0 m. Rotary to ..... m. Assays by General Superintendence Co.Pty.Ltd. Gold values less than 0.02 ppm and Ag values less than 1 ppm shown Description of core as - . Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	0.5	Soil black soft silty.								
0.5	1.0	Silty sandy clay dark grey brown.								
1.0	3.2	Silty sandy clay pale to mid dove grey.								
3.2	4.0	Sand, pale grey (alluvial?)								
4.0	5.5	Sandy clay and gravel, grey, mottled orange yellow, many pea sized pebbles wth'd sdstn.								
5.5	6.0	Silty clay pale bright yellow brown, crumbly, small pebbles wth'd sdstn.								
6.0	7.5	Silty sand, yellow brown, many fragments m gr grey brown sdstn. (alluvial or scree?)	ASL19	6.0	7.5	1.5	-	-	70	14
7.5	9.0	Silty clay bright yellow brown, many small angular fragments brownish wth'd m gr sdstn.	ASL20	7.5	9.0	1.5				
9.0	10.5	Silty clay as above. Drilling harder than above.	ASL21	9.0	10.5	1.5	-	-	100	17
10.5	12.0	Silty clay brown grey as above more rock chips.	ASL22	10.5	12.0	1.5				
12.0	13.5	Sand, pale grey brown and yellow, many chips wth'd m gr brown sdstn & fresher grey sdstn. Drilling now quite hard.	ASL23	12.0	13.5	1.5	-	-	50	10
13.5	15.0	Sand, as above but greyer. Minor vein quartz chip. Drilling now quite hard.	ASL24	13.5	15.0	1.5	-	-	45	11
15.0	16.5	Silty sand, bluish grey, many large fresh blue grey sdstn chips, some wth'd Minor vein quartz.	ASL25	15.0	16.5	1.5	-	-	60	18
16.5	18.0	Sandstone chips, dark blue grey f gr, blue grey sand & clay. Rare vein quartz chips. Hard drilling.	ASL26	16.5	18.0	1.5	-	-	90	40

Sheet No 1

Hole No RB34

Length of Hole

Property

Licence No.

From

To

From	To	Description of core	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
18.35	20.95	Sandstone, m gr dark blue grey, common argillite bands some graphitic phyllite. Some soft puggy blue grey clay with large quartz chips near base. (Faults?). Core very broken. Bedding at 20.5 about 50° to core axis. Core Recovery 80-85%	AS674	18.35	19.85	1.50	-	-	50	22
			AS675	19.85	20.95	1.10	-	-	35	15
20.95	21.85	Sandstone m-c gr green grey, quartz rich, sheared thin bands phyllite possibly graphitic. Zones of sticky blue grey puggy clay. Beds dip 50° to core axis. At 21.75 vuggy quartz veins 10 mm, other fine veins in core. Core shattered and broken. Common fine pyrite, in veins and on fractures. Core Recovery about 80%	AS676	20.95	21.85	0.90	-	-	50	25
21.85	22.35	Lost Core								
22.35	23.35	Quartz sandstone as above. Bedding seems about 30° to core axis. Many small quartz veins to 2 mm in lensoidal tension gashes in sdstn. Sdstn and veins vuggy. Blue grey pug with lump vein quartz at end of run. Abundant fine pyrite on fractures and in veins. (5%)	AS677	22.35	23.35	1.00	-	-	290	5
23.35	23.65	Quartz vein and Pug. Large chips coarse gr slightly bluish vein quartz. Vuggy with large patches of sulphide, mostly pyrite with some finer gr grey sulphide (arsenopyrite?). Sulphide +10% in quartz. Abundant bluish pug.	AS678	23.35	23.65	0.30	0.18	-	6700	33
23.65	24.85	Sandstone, siliceous dark grey. Broken and very fractured with soft clayey patches through run. More solid at base. Beds dip 50-55° to core.	AS679	23.65	24.15	0.50	0.03	-	1080	32

Sheet No. ?  
 Hole No. RB34  
 Length of Hole

Property  
 Licence No.  
 From To

From	To	Description of core	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
23.65	24.85	cont'd. Many fine quartz veins dip 35° at right angles to bedding. Abundant diss'd pyrite on all fractures and with veins. Core Recovery 90%.	AS670	24.15	24.85	0.70	-	-	70	45
24.85	25.5	Sandstone, bluish grey as above with thin bands graphitic phyllite. Dip of beds 55°-60° to axis core. Common quartz veins to 5mm dip approx. 45° at right angles to beds, also some at 70°. Core fractured and broken. Pyrite common on fractures. Large fragments c gr pyritic vein quartz at start probably contamination.	AS681	24.85	25.0	0.15	1.15	-	1900	31
			AS682	25.0	25.5	0.50	-	-	50	7
25.50	27.0	Sandstone and phyllite-as above. Extremely crushed and broken. Lot of vein quartz fragments could be contamination from higher zone. Core Recovery 60-65%.	AS683	25.5	27.0	1.50	-	-	50	2
27.0	27.90	Lost Core								
27.9	30.65	Quartz Sandstone, bluish grey, silicified in places, and vuggy in places. Very fractured with some grey chloritic material on fractures. Common fine quartz veins in core. Some soft crush zones. pyrite common on fractures at first but decreasing downwards. Core Recovery 70-75%.	AS684	27.90	28.90	1.00	-	-	110	4
			AS685	28.90	29.90	1.00	-	-	35	76
			AS686	29.90	30.65	0.75	-	-	40	5
E.O.H.										





Sheet No 1  
 Hole No RB54  
 Length of Hole 18.0 m.

Property Beaconsfield, Tasmania  
 Licence No. F.L. 17/73  
 From ..... To ..... Date 31/7/79

From	To	Auger drilling to 6.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	1.6	Silty sand (soil) dark brown, some clay.									
1.6	1.9	Clay, silty, pale grey to grey brown, stiff, sticky minor quartz grit.									
1.9	3.0	Silty sand some clay, pale yellowish brown grey, thin zones orange brown silty sand. Minor quartz grit.									
3.0	3.2	Silty clay, pale grey brown, firm sticky, minor quartz grit.									
3.2	3.7	Gravel, pale grey, silty sand with large chips pale grey sandstone and vein quartz.	AS530								
3.7	5.5	Silts pale dove grey, small chips wth'd sdstn, minor quartz. Probably still part of alluvial sequence.	AS531	3.7	5.5	1.8	-	-	1	12	
5.5	6.0	Silts as above. Firm tight drilling.									
6.0	7.5	Silty sand, pale grey abundant fine chips bluish grey m gr quartz sericite sdstn. Probably basement. Drilling firm.	AS532								
7.5	9.0	Sand, silty as above. Common rock chips as above, some vein quartz chips.	AS533								
9.0	10.5	Sandy silts, as above. Chips as above but no quartz. Drilling quite hard.	AS534	9.0	10.5	1.5	-	-	1	33	
10.5	12.0	Silty Sand, grey with yellow brown zones and somewhat rusty patches. Chips m gr blue grey quartz sericite sdstn. Drilling quite hard.	AS535								
12.0	13.5	Silty Sand, grey, chips blue grey sdstn as above. Drilling easy.	AS536	12.0	13.5	1.5	-	-	2	18	
13.5	15.0	Silty Sand as above.	AS537	13.5	15.0	1.5	-	-	2	31	
15.0	16.5	Silty Sand, grey to slightly greenish grey. Many coarse angular chips grey m gr quartz sericite sdstn. Soft patch at 16.0.	AS538	15.0	16.5	1.5	-	-	3	39	
16.5	18.0	Silty Sand, as above, larger chips. Drilling easy.	AS539	16.5	18.0	1.5	-	-	15	14 <sup>e</sup>	

Sheet No 1  
 Hole No RB55  
 Length of Hole 19.5 m.

Property Beaconsfield, Tasmania  
 Licence No E.L. 17/73  
 From ..... To ..... Date 31/7/79

From	To	Auger drilling to 10.3 m. Assays by General Superintendence Co.Pty.Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	1.0	Soil, dark brown and black, silty.								
1.0	1.4	Silty clay, brown and grey brown, firm and sticky.								
1.4	1.7	Silty Clay, pale grey brown soft sticky minor quartz grit.								
1.7	6/0	Silty. Clay, pale grey. crumbly, bands silt. with common quartz pebbles, and thin sticky clay bands. Some chips blue grey sandstone. Alluvial Sequence?	AS540	4.5	6.0	1.5	-	-	2	8
6.0	7.5	Clay, blue grey, sticky, abundant fragments pale grey sdstn. Probably alluvial but could be weathered basement.	AS541							
7.5	9.0	Clay, bluish grey as above.	AS542	7.5	9.0	1.5	-	-	<1	4
9.0	10.3	Clay, darker grey crumbly as above.	AS543							
10.3	12.0	Silty Clay, pale bluish grey, common small chips partly wth'd m gr pale grey quartz sericite sdstn. Drilling quite easy. Could be weathered basement sdstn.	AS544	10.3	12.0	1.7	-	-	<1	7
12.0	13.5	Silty. Clay-as above, drilling harder.	AS545							
13.5	15.0	Silty. Clay, pale grey, very abundant chips m gr pale grey quartz sdstn with less sericite than previously. Drilling firm.	AS546	13.5	15.0	1.5	-	-	7	35
15.0	16.5	Clay, pale grey, abundant f gr dark sdstn chips. Drilling firm. Strike water at 15.5 m only minor flow.	AS547	15.0	16.5	1.5	-	-	9	12
16.5	18.0	Clay, silty, as above. Drilling firm.	AS548	16.5	18.0	1.5	-	-	15	11
18.0	19.5	Clay, silty as above, harder drilling.	AS549	18.0	19.5	1.5	-	-	30	19





# ALLSTATE EXPLORATIONS N.L.

DRILL LOG

118033 <sup>032</sup>

Sheet No ..... 1 .....  
 Hole No ..... RB58 .....  
 Length of Hole ..... 21.0 m. ....

Property ..... Beaconsfield, Tasmania .....  
 Licence No ..... E.L. 17/73 .....  
 From ..... To ..... Date 2/8/79 .....

From	To	Auger drilling to 1.2 m. Assays by General Superintendence Co. Pty.Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	1.0	Soil sandy dark brown & red brown.								
1.0	1.2	Silty clay, sandy dark orange red, lateritic?								
1.2	2.0	Lateritic Cap, dark orange brown ferruginous sand. Very hard drilling.	AS565	1.2	2.0	0.8	-	2.0	110	23
2.0	3.0	Sand, very pale cream grey, soft fluffy texture. Possibly very weathered Transition Beds.	AS566							
3.0	4.5	Sand as above almost white, some silt & clay.	AS567	3.0	4.5	1.5	-	-	3	4
4.5	6.0	Sand, very pale grey to white. Slightly more clay & silt than above.	AS568							
6.0	7.5	Silty sand, pale grey as above.	AS569	6.0	7.5	1.5	-	-	1	6
7.5	9.0	Silty Sand as above damper, more silt and clay, common fragments pale grey weathered sdstn. (basement) Soft drilling.	AS570							
9.0	10.5	Gritty Sand, olive grey damp, many chips pale grey, mid grey and dark grey sdstn some brown weathered. Fairly hard drilling.	AS571	9.0	10.5	1.5	-	-	4	22
10.5	12.0	Gritty sand, olive grey as above. Abundant dark qtz sdstn chips.	AS572	10.5	12.0	1.5	-	-	3	17
12.0	13.5	Coarse silty sand, dark green grey. Many chips f gr black sdstn.	AS573	12.0	13.5	1.5	-	-	1	22
13.5	15.0	Coarse sandy grit dark blue grey as above. Abundant chips f gr black quartz sdstn, possibly some with graphite. Drilling fairly easy.	AS574	13.5	15.0	1.5	-	-	7	17
15.0	16.5	Sand & GRit, paler blue grey. Abundant rock chips paler than above. Drilling getting harder.	AS575	15.0	16.5	1.5	-	-	2	10
16.5	18.0	Sand & Grit, as above drilling firmer and slower.	AS576	16.5	18.0	1.5	-	-	1	16
18.0	19.5	Sand & rock chips mid grey, sdstn chips f gr some slightly phyllitic.	AS577	18.0	19.5	1.5	-	-	5	18
19.5	21.0	Sand & rock chips as above. Drilling harder.	AS578	19.5	21.0	1.5	-	-	8	15

Sheet No 1  
 Hole No RB59  
 Length of Hole 24.0 m.

Property Beaconsfield, Tasmania  
 Licence No E.L. 17/73  
 From To Date 3/8/79

From	To	Auger drilling to 1.6 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - . Hole Vertical	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	0.5	Soil, sandy, dark brown.									
0.5	1.1	Sandy Clay, dark yellow brown to orange brown. Some hard pebbles of laterite.									
1.1	1.6	Sandy Clay-brick red, some grey clay layers.									
1.6	2.1	Laterite Cap. Dark red brown sand and ferruginous chips some quartz.	AS579	1.6	2.1	0.5	-	-	25	4	
2.1	3.0	Clay, ferruginous, dark orange brown.	AS580	2.1	3.0	0.9	-	-	100	17	
3.0	4.5	Sand, silty very pale creamy grey quartz sand. Soft drilling.	AS581								
4.5	6.0	Sand, some silt and clay, white to very pale creamy grey as above.	AS582								
6.0	7.5	Sand, some silt and clay, very pale grey, sparse chips very weathered f gr grey quartz sdstn. (basement?)	AS583	6.0	7.5	1.5	-	-	3	11	
7.5	9.0	Sand, as above.	AS584								
9.0	10.5	Sand, slightly darker grey, as above.	AS585								
10.5	12.0	Clayey Grit dark olive grey. Abundant chips m gr dark green sdstn, m gr brown wth'd sdstn. Drilling harder.	AS586	10.5	12.0	1.5	-	-	15	18	
12.0	13.5	Clayey Grit, now paler green grey, chips bleached, as above.	AS587								
13.5	15.0	Clayey Grit and Sand. Dark green grey to olive grey. Many chips f-m gr dark blue green qtz sdstn, also wth'd dark brown and pale grey sdstn. Drilling getting firmer.	AS588	13.5	15.0	1.5	-	-	1	14	
15.0	16.5	Sandy Clayey Grit, dark green grey as above.	AS589								
16.5	18.0	Sandy Clayey Grit dark green grey to olive grey. Chips f gr dark blue green sdstn, some minor phyllite, possibly graphitic. Drilling getting harder.	AS590	16.5	18.0	1.5	-	-	5	17	



Sheet No 1

Hole No RB60

Length of Hole 21.0 m.

Property Beaconsfield, Tasmania

Licence No E.L. 17/73

From To Date 3/8/79

From	To	Auger drilling to 5.6 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown as Description of core .. Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	1.5	Sandy clay, dark orange brown, ferruginous, some laterite pebbles.									
1.5	2.0	Sandy clay, paler yellow brown, as above.									
2.0	3.5	Silty Clay, bright yellow orange, nodules pale grey silty clay. Crumbly. Part of laterite sequence.									
3.5	4.0	Silty Sand, orange brown, soft.									
4.0	4.5	Sand, clayey, pale yellow to yellow grey, becoming paler.									
4.5	5.6	Silty Sand, pale grey, clayey patches with minor quartz grit.									
5.6	7.5	Silty Sand white to very pale grey, with white clay (kaolin?). Sparse chips very wth'd pale grey sdstn. Possibly in basement. Drilling soft.	AS595								
7.5	9.0	Silty Sand as above.	AS596	7.5	9.0	1.5	-	-	2	11	
9.0	10.5	Silty Sand, pale grey, as above some clay. Well wth'd sdstn chips. Soft very easy drilling.	AS597								
10.5	12.0	Silty Sand, soft, very dark grey brown to chocolate brown. Minor clay. Many well wth'd stained sdstn chips. Get oily scum on water used to wash sample. Drilling very easy.	AS598	10.5	12.0	1.5	-	-	30	17	
12.0	13.5	Sandy Grit, dark grey brown as above. Very abundant sdstn fragments, some bright green (Cr stain?). Minor vein quartz, oily scum on wash water. (possibly Mn stain?).	AS599	12.0	13.5	1.5	-	-	25	7	
13.5	15.0	Sandy Grit as above, Chips more abundant, many stained dark grey brown. Sparse green chips & vein quartz. Oily scum. Harder drilling.	AS600	13.5	15.0	1.5	-	-	35	11	



Sheet No ..... 1 .....  
 Hole No ..... BB61 .....  
 Length of Hole ..... 24.0 m. ....

Property .. Beaconsfield, Tasmania .....  
 Licence No ..... E.L. 17.73 .....  
 From ..... To ..... Date 3/8/79 .....

From	To	Auger drilling to 4.5 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown as Description of core - . Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	1.0	Clay bright yellow streaked grey-crumbly.								
1.0	2.5	Clay dark orange brown & yellowy orange brown, pale grey and yellow grey patches. Crumbly. Some ferruginous nodules.								
2.5	3.5	Clay, yellow grey with abundant pale grey streaks and patches. Ferruginous pebbles.								
3.5	3.7	Silty sand bright orange yellow, soft & fluffy.								
3.7	4.1	Silty sand, yellow grey, soft & fluffy some quartz & sdston pebbles?								
4.1	4.5	Silty sand, very pale creamy grey.								
4.5	6.0	Silty sand, white to very pale grey, minor white clay (kaolin) easy drilling	AS605							
6.0	7.5	Silty sand as above.	AS606	6.0	7.5	1.5	-	-	1	8
7.5	9.0	Silty sand, as above, some vein quartz chips.	AS607							
9.0	10.5	Silty sand, as above, some vein quartz chips.	AS608							
10.5	12.0	Silty sand, soft very pale grey brown.	AS609	10.5	12.0	1.5	-	-	1	14
12.0	13.5	Silty sand, soft fluffy, dark grey brown.	AS610	12.0	13.5	1.5	-	-	20	37
13.5	15.0	Silty sandy Grit. Dark grey brown to chocolate brown. Common chips well wth'd sdston stained dark brown (Mn stain?) Oily scum on wash water.	AS611							
15.0	16.5	Sandy Grit, as above some clay. Oily scum on wash water. Drilling harder.	AS612	15.0	16.5	1.5	-	-	15	6
16.5	18.0	Silty sand, very dark brown to black, soft fluffy, some clay. Has very weathered stained sdston chips (Mn stain)? Wash water has oily scum.	AS613	16.5	18.0	1.5	-	-	45	11
18.0	19.5	Silty sand, as above, not as dark, chips more abundant. Drilling harder.	AS614							



Sheet No 1  
 Hole No RB62  
 Length of Hole 21.0 m.

Property Beaconsfield, Tasmania  
 Licence No E.L. 17/73  
 From To Date 6/8/79

From	To	Auger to 6.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - Hole Vertical	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	2.0	Clay, bright yellow with grey streaks & mottles, sticky.								
2.0	2.6	Silty Sand some clay pale yellow grey.								
2.6	4.0	Silty sand yellow soft.								
4.0	4.5	Silty Sand very pale grey, yellowish patches.								
4.5	6.0	Silty Sand, fine very pale grey to white.								
6.0	7.5	Silty Sand, very pale grey, soft, some white clay (kaolin?)	AS618							
7.5	9.0	Silty Sand, as above. Drilling soft.	AS619	7.5	9.0	1.5	-	-	1	6
9.0	10.5	Silty Sand as above.	AS620							
10.5	12.0	Soft silty sand as above very pale grey brown.	AS621	10.5	12.0	1.5	-	-	1	5
12.0	13.5	Soft silty sand, as above but browner.	AS622							
13.5	15.0	Soft silty sand pale grey brown as above.	AS623	13.5	15.0	1.5	-	-	2	17
15.0	16.5	Coarse silty Sand pale grey brown but darker than above. Drilling still soft and easy.	AS624							
16.5	18.0	Sand, grey brown, chips very weathered leached m. gr. grey brown sandstone. Common clay. Oily scum on wash water. Drilling firmer, probably weathered basement.	AS625	16.5	18.0	1.5	-	-	10	12
18.0	19.5	Sand and Chips as above with a lot of clay.	AS626	18.0	19.5	1.5	-	-	15	11
19.5	21.0	Sand and chips, as above grey brown. Small sample due to hole blocking off.	AS627	19.5	21.0	1.5	-	-	10	11

E.O.H.

Sheet No 1  
 Hole No RB63  
 Length of Hole 21.0 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L. 17/73  
 From To Date 6/8/79

From	To	Auger drilling to 1.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - Hole Vertical	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0.0	0.8	Sand, dark red brown, ferruginous from laterite cap.								
0.8	1.5	Laterite Cap-ferruginous quartz chips, very hard drilling.								
1.5	3.0	Silty clay, yellow, mottled pale grey crumbly.	AS628	1.5	3.0	1.5	-	-	90	14
3.0	4.5	Silty Sand, yellowish mottled pale grey and yellow grey. Very easy drilling.	AS629							
4.5	6.0	Silty Sand, soft very pale grey, stained yellow at top. Some clay.	AS630	4.5	6.0	1.5	-	-	3	6
6.0	7.5	Silty Sand very pale grey as above.	AS631							
7.5	9.0	Silty Sand as above. Very soft drilling.	AS632	7.5	9.0	1.5	-	-	2	7
9.0	10.5	Silty Sand as above.	AS633							
10.5	12.0	Silty Sand, as above, turning pale grey brown.	AS634	10.5	12.0	1.5	-	-	1	10
12.0	13.5	Silty Sand, as above, soft easy drilling, hole clogging up.	AS635							
13.5	15.0	Silty Sand, coarser and gritty. Colour getting darker. At 15.0 m very soft patch. Poor sample return.	AS636	13.5	15.0	1.5	-	-	4	18
15.0	16.5	Sand, silty with some clay. Dark grey brown, almost chocolate brown in places. Very small chips very wth'd m gr stained (Mn?) sdstn. Very soft drilling poor sample return.	AS637	15.0	16.5	1.5	-	-	15	18
16.5	18.0	Sand, as above. Very soft drilling, poor sample return, loosing air in ground.	AS638	16.5	18.0	1.5	-	-	10	15
18.0	19.5	Sand, silty with clay, grey brown. Poor sample return.	AS639	18.0	19.5	1.5	-	-	8	11
19.5	21.0	Sand as above, some sparse rock chips, poor sample return.	AS640	19.5	21.0	1.5	-	-	9	14





Sheet No 1  
 Hole No RB65  
 Length of Hole 19.0 m.

Property Beaconsfield, Tasmania  
 Licence No. P.L. 17/73  
 From To Date 7/8/79

From	To	Auger drilling 1.0 - 12.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - . Hole Vertical.	Sample No	Footage		Length	Core assays PPM			
				From	To		Au	Ag	As	Cu
0	1.0	Laterite Cap, Hard ferruginous.								
1.0	1.8	Clay, yellow to yellow brown.								
1.8	3.5	Silty Sand, soft, variable colours suggest banding pale grey, yellow grey, yellow brown etc. Minor quartz grit and pebbles near bottom.								
3.5	5.0	Silt Sand, soft, pale grey, grey and grey brown. Abundant small and large sub rounded vein quartz & sdstn. (gravel band).								
5.0	6.0	Silty Sand, pale yellowish and yellow grey.								
6.0	7.5	Silty Sand very pale grey to yellowish grey. Many fragments pale grey m gr. sdstn, some argillite. Could be weathered basement.	AS653							
7.5	9.0	Silty Sand-as above, poor sample return.								
9.0	10.5	Silty Sand, soft as above paler grey.								
10.5	12.0	Silty sand as above.								
12.0	13.5	Silty Sand, pale grey, soft some clay.	AS654	12.0	13.5	1.5	-	-	1	9
13.5	15.0	Silty Sand tending to become grey brown, common clay.	AS655							
15.0	16.5	Silty Sand, soft, dark brownish grey. Poor sample return. Probably in basement.	AS656	15.0	16.5	1.5	-	-	2	16
16.5	18.0	Silty Sand, brown grey, some clay. Common chips wth'd stained m gr sdstn. Oily scum on wash water. Drilling much harder.	AS657	16.5	18.0	1.5	-	-	8	8
18.0	19.0	Silty Sand, as above, stained sandstone chips. oily scum on wash water.	AS658	18.0	19.0	1.0	--	-	15	10

E.O.H.





Sheet No ..... 1 .....  
 Hole No ..... RR69 .....  
 Length of Hole ..... 12.0 m. ....

Property ..... Beaconsfield, Tasmania .....  
 Licence No. .... E.L. 17/73 .....  
 From ..... To ..... Date .. 8/8/79 .....

From	To	Description of core	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
		Auger drilling 1.5 to 7.3 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown as -. Hole Vertical									
0	1.5	Laterite Cap, dark brown, ferruginous hard.									
1.5	2.0	Lateritic Clay red brown & yellow brown.									
2.0	3.0	Silty Sand, yellow grey with abundant quartz chips (gravel?).									
3.0	4.0	Silty, gritty, Clay, yellow grey, brown, wet.									
4.0	7.3	Silty Clay, pale pinkish brown, soft sticky, some fine grit becomes greyer with depth then dark grey brown.									
7.3	9.0	Silty Sand, brownish grey, coarse fragments rounded vein quartz, some wth'd sdstn. Gravel horizon.	AS666	7.3	9.0	1.7	-	-	1	3	
9.0	10.5	Gritty silty Sand brown grey, poor sample return.	AS667	9.0	10.5	1.5	-	-	12	4	
10.5	12.0	Gritty silty Sand, darker grey, finer and siltier than above only very small sample return. Hole keeps on blocking off. Loose sample return.	AS668	10.5	12.0	1.5	-	-	4	3	
E.O.H.											

Sheet No 1

Hole No RB69

Length of Hole 16.5 m.

Property Beaconsfield, Tasmania

Licence No E.L.17/73

From To Date 9/8/79

From	To	Auger drilling 1.8 to 14.5 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm								
				From	To		Au	Ag	As	Cu					
0	1.8	Laterite Cap, dark red brown ferruginous, hard.													
1.8	3.0	Lateritic Clay brick red hard stiff.	AS669	1.8	3.0	1.2	-	-	160	9					
3.0	3.7	Ferruginous Clay dark orange red brown.													
3.7	4.8	Silty Clay, pale yellow grey to yellow brown grey. Common quartz grit and small pebbles. Very wet Gravel layer.	AS670	3.7	4.8	1.1	-	-	15	4					
4.8	7.5	Silts, white, pale grey, yellow grey, grey brown, minor quartz grit. Becomes sandier with depth.	AS671	4.8	7.5	2.7	-	-	20	5					
7.5	9.0	Silty Sand, as above, tends to be greyer. Some bands pale purplish brown silt, some gravel layers with quartz pebbles.	AS672	7.5	9.0	1.5	-	-	9	5					
9.0	9.5	Silt, pink and pinkish grey wet.													
9.5	14.5	Silt, dark grey brown becoming chocolate brown. Very wet in places. Looks like old swamp soil.													
14.5	16.5	Chips dark grey brown Mn? stained m grsdstn hard quartzite, some vein quartz. Hard drilling at first but gets easier. Loose air and sample return. Deepening of Hole. 27/9/79 (Using water for sample return - Hole cased to 18.0 m).	AS673	14.5	16.5	2.0	-	1.0	70	105					
16.5	18.0	Sandstone chips, pale grey bleached and weathered, some with brown stain (Mn?). Water return changes from grey brown to chocolate brown with oily scum. Probably basement from 17.5 m.	AS850	16.5	18.0	1.5	0.08	-	5	35					



Sheet No ..... 1 .....  
 Hole No ..... RB70 .....  
 Length of Hole ..... 42.0 m. ....

Property... Beaconsfield, Tasmania .....  
 Licence No.... E.L.17/73 .....  
 From ..... To ..... Date 30/9/79 .....

From	To	Auger drilling 0.5 to 18.0 m. Hole cased to 19.5 m. Water used for sample Assays by General Superintendence Co. Pty. Ltd. return. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0.0	0.5	Laterite cap-hard drilling.								
0.5	2.0	Lateritic Clay, stiff, red brown to brick red and dark red brown-lateritic clay.								
2.0	3.0	Clay, yellow brown mottled grey, stiff plastic peels off auger.								
3.0	18.0	Silts and Swamp Deposits, soft flowing dark yellow brown to grey brown getting dark brown with depth, layered silts, some sandy, some with grit. Hard layer at 10 m.								
18.0	19.5	Small quantities of fine quartz sericite sdstn chips, some quartz. Water dark chocolate brown with oily scum. Small sample return as most very fine silts. Swamp deposits.	AS855							
19.5	21.0	Swamp deposits as above. Very soft drilling.	AS856							
21.0	22.5	As above	AS857							
22.5	24.0	As above	AS858							
24.0	25.5	Swamp Deposits, as above. Very soft drilling.	AS859							
25.5	27.0	As above	AS860	25.5	27.0	1.5	-	-	4	8
27.0	28.5	Swamp Deposits, as above, small sample return still of fine sand, some coarser vein quartz chips.	AS861							
28.5	30.0	Swamp Deposits. Now have very dark brown fine sand & grit oily scum on returning water. Some carbonaceous fragments. Very easy drilling.	AS862	28.5	30.0	1.5	0.03	-	10	11
30.0	31.5	Swamp Deposits as above, Water very dark brown. Some coarse sand-fragments m gr qtz sericite sandstone	AS863							



Sheet No 1  
 Hole No RB72  
 Length of Hole 41.5 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From To Date 30/9/79

From	To	Auger drilling to 18.0 m. Hole cased to 19.5 m. Water used for sample Assays by General Superintendence Co. Pty. Ltd. return. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	1.0	Lateritic Clay, brick red with ferruginous nodules.								
1.0	1.5	Lateritic Clay, soft, orange brown.								
1.5	2.2	Lateritic Clay, very dark red brown, crumbly, with abundant dark ferruginous chips and nodules.								
2.2	3.2	Lateritic Clay, silty, dark red brown.								
3.2	4.7	Silty Clay, dark yellow brown, soft wet, plastic, sticky.								
4.7	11.0	Swamp Deposits liquid dark yellow brown silty clays run out of hole as mud, some firmer soft grey brown layers, gets darker with depth.								
11.0	18.0	Swamp Deposits as above. Darker brown grey colour. Very soft drilling.								
18.0	22.5	Sand, silt & grit - small sample, white, very pale grey. Dark grey water return, soft easy drilling. Some chips with sds. Probably swamp deposits.								
22.5	24.0	Sandstone chips, small, fine grey sand some sericite. Soft drilling - small sample. Swamp Deposit.	AS871							
24.0	25.5	As above. Water has oily scum. Soft drilling.	AS872							
25.5	27.0	Sandstone Chips small m gr pale quartz sericite sds, some dark grey. small sample, most silt washed away. Water has oily scum. Soft easy drilling	AS873							
27.0	28.5	As above.	AS874							
28.5	30.0	As above. Chips & water more brown grey. Some minor pyrite. May indicate basement.	AS875	28.5	30.0	1.5	-	-	9	14
30.0	31.5	As above, some chips blue black - No pyrite.	AS876	30.0	31.5	1.5	-	-	9	8
31.5	33.0	As above. Abundant small chips quartz sericite sandstone. Sparse pyrite,	AS877	31.5	33.0	1.5	-	-	8	10





Sheet No 1  
 Hole No RB78  
 Length of Hole 34.0 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From ..... To ..... Date 1/10/79

From	To	Description of core as - Auger drilling to 18.0 m. Hole cased to 19.0 m. Water used for sample return. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Hole Vertical.	Sample No	Footage		Length	Core assays PPM			
				From	To		Au	Ag	As	Cu
0	2.0	Lateritic Clay-brick red.								
2.0	2.5	Lateritic Cap-very hard-abundant quartz chips.								
2.5	3.3	Laterite Clay, yellow brown, crumbly.								
3.3	5.0	Clay, stiff plastic, yellow grey changing to blue grey, peels off auger.								
5.0	7.5	Clay as above, khaki to dark grey brown & purplish grey brown with depth.								
7.5	11.0	Clay, silty, soft sticky black plastic clay, changes to chocolate brown damp-Swamp deposits?								
11.0	18.0	Clay soft sticky plastic wet to very wet, water table at 11.0, dark brown changing to mid grey-Swamp Deposits.								
18.0	24.0	Silt, very pale cream to white silt return in water, very fine all washes away. Very minor quartz grit. Very soft easy drilling-Swamp Deposits.								
24.0	27.0	Silts & Sand, mostly grey brown-small sample. Water changes from yellow brown to grey brown. Drilling harder, noisy. Could be gravel layer or basement.	AS884	24.0	27.0	3.0	-	-	3	23
27.0	28.5	As above, drilling firmer.	AS885							
28.5	30.0	Sand & grit-m-c gr, rock chips very well wth'd grey brown qtz sericite sdstn. Drilling firm & noisy at first then soft. Could be basement, or gravel layer.	AS886	28.5	30.0	1.5	-	1.0	2	23
30.0	31.5	Sdstn chips, sand & grit, as above, Drilling fairly soft.	AS887	30.0	31.5	1.5	-	-	1	31
31.5	34.0	As above-probably gravel and sand sequence. Hole abandoned when run out of water								

Sheet No 1  
 Hole No RB79  
 Length of Hole 25.5 m.

Property Beaconsfield, Tasmania  
 Licence No E.L. 17/73  
 From To Date 17/8/79

From	To	Auger drilling to 2.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown. Description of core as - . Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	0.3	Fill, lateritic gravel.									
0.3	1.0	Silty clay brick red to orange red, lateritic gravel.									
1.0	2.0	Silty Clay, orange and red brown, nodules ferruginous sandstone-lateritic									
		Very hard layer at 2.0 m.	AS695	1.0	2.0	1.0	14.1	-	3450	210	
2.0	3.0	Sandy Grit, orange brown ferruginous. Many chips black quartzite, vein quartz, f gr black glassy siliceous grit. Could be cap of Laterite Gravel or else fill in old dump, has some timber in it.									
3.0	4.5	Sandy Grit as above but more clay. Much softer drilling.	AS696	3.0	4.5	1.5	0.95	-	3500	190	
4.5	6.0	Silty Sand, bright orange yellow brown, common small chips very wth'd yellow brown sdstn. Drilling softer. Could be in wth'd basement.	AS697	4.5	6.0	1.5	0.83	-	2470	131	
6.0	7.5	Silty Sand, yellowish, some clay. As above minor chips.	AS698	6.0	7.5	1.5	0.22	-	1040	89	
7.5	9.0	Silty Sand, pale yellow to yellow grey. Wth'd sdstn chips. Drilling easy.	AS699	7.5	9.0	1.5	0.08	-	290	26	
9.0	10.5	Silty Sand, pale yellow grey soft. Chips m gr grey sdstn. Drilling getting harder.	AS700	9.0	10.5	1.5	0.10	-	220	27	
10.5	12.0	Silty Sand, as above, chips harder greyer than above.	AS701	10.5	12.0	1.5	0.06	-	280	38	
12.0	13.5	Silty Sand, as above sdstn chips getting larger & harder.	AS702	12.0	13.5	1.5	0.03	-	230	43	
13.5	15.0	Silty Sand, yellowish, abundant chips pale grey m gr quartz sericite sdstn. Drilling getting quite firm.	AS703	13.5	15.0	1.5	0.04	-	510	87	
15.0	16.5	Silty sand, darker brownish. Common small chips hard dark f gr siliceous sdstn (perhaps silicified) also grey sdstn.	AS704	15.0	16.5	1.5	0.28	-	1370	370	



# ALLSTATE EXPLORATIONS N.L.

118058

057

## SUMMARY OF DRILL LOG DATA

Hole No. 8800 Job No. \_\_\_\_\_ Section No. Line 1 (D-P)  
 Property \_\_\_\_\_ Licence No. E.L.17/73

Co-ordinates of collar:  
 East \_\_\_\_\_ North \_\_\_\_\_  
 Datum \_\_\_\_\_ Elevation \_\_\_\_\_

Type of drilling Auger, Rotary diamond Length of hole 32.5

Hole cased:			
Size	From	To	Left in hole
N	0	19.0	NIL

Core size	From	To
Auger	0	2.3
Rotary	2.30	17.9
N.Q.	17.9	32.5

Logged by T.E. Bates  
 Signed \_\_\_\_\_  
 Date 19/7/79  
 Feet \_\_\_\_\_ Metres \_\_\_\_\_

Date started 17/9/79  
 Date finished 19/9/79  
 Drilling contractor H.J. Stacpoole

At	Surveys Dip	Correct Dip	Bearing
Collar		Vertical	

Assays by G.S.C. Sydney  
 Location of core Beaconsfield  
 Water encountered \_\_\_\_\_  
 Depth \_\_\_\_\_  
 Hole plugged Yes

Sheet No 1  
 Hole No RB80  
 Length of Hole 32.5 m

Property Beaconsfield, Tasmania  
 Licence No E.L.17/73  
 From ..... To ..... Date 17/9/79

From	To	Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 shown as -. Description of core Hole Vertical	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	0.5	Gravel, yellow brown red, silty - probably fill.								
0.5	1.5	Sandy grit, soft silt, brick red, some hard pebbles. Probably fill.	AS711							
1.5	2.3	Lateritic Gravel on Silty Clay, brick red. Probably fill.	AS712							
2.3	3.0	Sandy Grit, orange brown. Chips of fresh sandstone, fine grit, black quartzite and abundant vein quartz. Very hard drilling. Variety and freshness of chips indicates probably in an old mine dump, could be cap of lateritic gravels.	AS713	2.3	3.0	.7	0.73	<1	2600	115
3.0	4.0	As above to 4.0 m.	AS714	3.0	4.5	1.5	0.16	<1	2430	132
4.0	6.0	Silty Sand, bright yellow brown, soft texture, some clay. Very fine chips wth'd sdstn. Very soft drilling. (Possibly very wth'd basement).	AS715	4.5	6.0					
6.0	7.5	Silty Sand, as above, sparse chips vein quartz.	AS716							
7.5	9.0	Silty Sand, pale yellow grey. Some chips very bleached and wth'd pale grey sdstn, some chips ferruginous sdstn. Soft easy drilling.	AS717	7.5	9.0	1.5	0.10	<1	590	32
9.0	10.5	Silty Sand, pale yellow grey as above. Poor sample-hole clogging up.	AS718							
10.5	12.0	Silty Sand, as above. Sparse chips very wth'd f-m gr. grey and rusty sdstn. Easy drilling.	AS719							
12.0	13.5	Silty Sand, dark orange brown. Chips more common, all ferruginous m gr. Drilling harder but patchy.	AS720	12.0	13.5	1.5	0.08	<1	2510	315
13.5	15.0	Silty Sand, as above. Larger less weathered sdstn chips some ferruginous	AS721	13.5	15.0	1.5	0.27	1.5	2040	305
15.0	16.5	Sand, dark orange brown, ferruginous. Many chips greenish siliceous sandstone, some quartz, common ferruginous to gossanous chips. Oily spum	AS722	15.0	16.5	1.5	2.08	6.5	1.18%	1050

Sheet No 2  
 Hole No RF80  
 Length of Hole .....

Property Reaconsfield, Tasmania  
 Licence No.....  
 From ..... To .....

From	To	Description of core	Sample No	Footage		Length	Core assays ppm						
				From	To		Au	Ag	As	Cu			
15.0	16.5	cont'd. on wash water. Drilling firm. Restricted sample return.											
16.5	17.9	Sandy Grit, dark brown ferruginous, as above, more common sdstr chips. common gossanous chips. Oily scum on wash water. Drilling harder.	AS723	16.5	17.9	1.4	5.92	10.5	1.00%	900			
17.9	18.25	Lost Core.											
18.25	19.0	Sandstone, bluish grey, sericitic, fine grained. Very well weathered. Much rusty and subgossanous, especially along bedding planes and on fractures parallel to core. Thin beds sdstr & phyllite dip $40^\circ$ to core axis.	AS724	18.25	19.0	0.75	0.26	< 1	3360	335			
19.0	20.0	Sandstone, phyllite, f-n gr. pale bluish grey, thin beds. dip $38-40^\circ$ . Strong gossan filled fractures sub parallel to core. Common limonite filled fractures dip $45^\circ$ to core strike across beds. Some gossan bands parallel to bedding.	AS725	19.0	20.0	1.00	< 0.02	< 1	2270	143			
20.0	21.0	Sandstone as above. Many gossan filled fractures sub parallel to core, also dip $40^\circ$ at right angles to beds. Zones of brecciation. Beds dip $45^\circ$ .	AS726	20.0	21.0	1.00	0.02	< 1	2150	130			
21.0	22.0	Sandstone, grey, siliceous, well bedded with f gr blue grey sericitic phyllite. All well jointed & fractured with limonite and gossan along fractures. Zones of gossan parallel to beds. Small lenses and vugs of fine gr pyrite with some quartz. Beds dip $30^\circ$ to core.	AS727	21.0	22.0	1.00	0.02	< 1	2300	270			
22.0	23.0	Sandstone, banded as above. Very strong gossan filled fracture sub parallel to core. Quartz gossan layers parallel to beds, beds dip $30-35^\circ$ .	AS728	22.0	23.0	1.00	0.03	< 1	1970	250			

Sheet No 3  
 Hole No 2530  
 Length of Hole

Property...Reaconsfield, Tasmania  
 Licence No.  
 From To

From	To	Description of core	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
23.0	23.5	cont'd. Sandstone, m. gr. qtz. rich, fairly massive. Well weathered and yellowish. Well jointed, joints with limonite stain.	AS729	23.0	23.5	0.5	<0.02	<1	1380	225
23.5	23.9	Lost Core, bottom of one run, top of next.								
23.9	24.9	Banded yellowish with Sandstone and blue grey sericitic phyllite. Beds dip 80° to core axis. Well fractured and brecciated. Some quite gossanous zones. Lenses of fine grained pyrite. Gossanous material with fractures in phyllite.	AS730	23.9	24.9	1.00	0.02	1.0	1400	133
24.9	25.9	Sandstone, c. gr. pale interbedded with darker phyllitic argillite. Beds dip 75-80° to core axis. Common clay seams. All very brecciated and ferruginous with gossan in fractures. Near base of gr beds up to 10 mm with heavy pyrite concentration. Core Recovery about 80%.	AS731	24.9	25.9	1.00	<0.02	1.5	1380	185
25.9	26.9	Sandstone as above. Bedding 75°. Extremely fractured and broken, vuggy zones parallel to bedding. All limonite stained and gossanous. Core Recovery 80%.	AS732	25.9	26.9	1.00	<0.02	1.0	570	85
26.9	28.0	Lost Core. Sludge sample. Sludge consists of coarse sand & silt. (fine chips m. gr. qtz. sdstn, vein quartz, phyllite, gossan)	AS733	26.5	28.0	1.1	<0.02	6.0	510	72
28.0	28.4	Sdstn. f. gr. blue grey, very weathered. Very fractured and broken. Fractures with fine vuggy quartz veins, slightly ferruginous. Slickensides on some fractures.	AS734	28.0	28.4	0.4	<0.02	2.0	140	31



# ALLSTATE EXPLORATIONS N.L.

# DRILL LOG

062

118063

Sheet No 1  
 Hole No RB81  
 Length of Hole 24.0 m.

Property Beaconsfield, Tasmania  
 Licence No E.L.17/73  
 From ..... To ..... Date 19/9/79

From	To	Auger to 7.5 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	1.5	Sandy Grit, dark brown grey. Fill?									
1.5	2.5	Silty Clay, pinkish orange, some reddish streaks, abundant nodules pale yellow grey clay. (Laterite sequence?).	AS739								
2.5	4.5	Silty Clay, bright orange yellow, red in places, nodules pale yellow grey clay, soft crumbly (part of laterite sequence).	AS740								
4.5	6.0	Silty Clay, soft, very pale yellow grey, nodules of white clay. Very crumbly	AS741								
6.0	7.5	Silty Clay, yellow, as above. Sparse large chips wth'd sdstn. Could be in very wth'd basement.	AS742	6.0	7.5	1.5	0.18	1.5	820	70	
7.5	9.0	Silty Clay, yellow as above. Sparse rock chips. Soft drilling.	AS743	7.5	9.0	1.5	0.06	1.5	1680	69	
9.0	10.5	Silty Sand, soft, yellow some nodules white clay (kaolin?). Some chips very wth'd f gr yellow grey sdstn. Drilling firm probably in basement.	AS744	9.0	10.5	1.5					
10.5	12.0	Silty Sand as above.	AS745	10.5	12.0	1.5	<0.02	<1	860	88	
12.0	13.5	Silty Sand, as above, darker & browner. Sparse chips ferruginous sdstn. and very wth'd sdstn. Small sampling hole clogging.	AS746								
13.5	15.0	Silty Clay, yellow brown grey, Very small gritty wth'd sdstn chips. Soft easy drilling. Small sample hole clogging.	AS747	13.5	15.0	1.5	<0.02	<1	470	53	
15.0	16.5	Silty Clay, as above.	AS748								
16.5	18.0	Gritty Clayey Sand, yellow brown. Common chips ferruginous sdstn also wth'd m gr sdstn. Drilling harder.	AS749	16.5	18.0	1.5	<0.02	<1	860	91	
18.0	19.5	Silty Sand, dark grey brown to brown. Many chips grey silicified sericitic sdstn and f gr ferruginous sdstn. Oily scum on wash water. Drilling	AS750	18.0	19.5	1.5	0.25	3.0	2750	210	

quite hard. Ho log - po sam ret



# ALLSTATE EXPLORATIONS N.L.

# DRILL LOG

118065<sup>064</sup>

Sheet No 1  
 Hole No RB82  
 Length of Hole 27.0 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From To Date 20/9/79

From	To	Auger to 9.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - . Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0.0	1.0	Lateritic clay and stones. Fill?									
1.0	3.0	Silty Sand, bright yellow brown, soft, orange brown and red clay patches. Very abundant chips fresh quartzite, grit and vein quartz, is hence probably fill from old mine workings.	AS754	1.0	3.0	2.0	0.22	<1	760	60	
3.0	4.0	Silty Sand dark brown to red brown. nodules yellow grey clay, chips of a variety of fresh rock. Noisy drilling. Probably in old mine dump.	AS755	3.0	4.0	1.0	0.66	2.5	1480	85	
4.0	6.0	Silty Sand, yellow to yellow grey, soft fluffy texture. Nodules pale grey to white silty clay. Could be silts or very wth'd basement.	AS756								
6.0	7.5	Silty Sand, as above. More nodules white clay (Kaolin).	AS757	6.0	7.5	1.5	0.15	2.5	1090	54	
7.5	9.0	Silty Sand, as above. Some wth'd sdstn chips.	AS758								
9.0	10.5	Silty Sand, yellow to yellow grey. Some nodules white clay. Sparse chips very wth'd m gr sdstn. Drilling soft.	AS759	9.0	10.5	1.5	0.02	1.0	600	34	
10.5	12.0	Silty Sand, as above, more clay. Hole clogging up a bit.	AS760								
12.0	13.5	Silty Clay, pale grey to yellow grey as above but more clay.	AS761	12.0	13.5	1.5	<0.02	<1	210	19	
13.5	15.0	Silty Clay, as above but darker soft crumbly. Fragments very wth'd sdstn drilling easy hole clogging up.	AS762								
15.0	16.5	Silty Clay, pale grey, soft as above fragments wth'd sdstn.	AS763	15.0	16.5	1.5	<0.02	<1	150	18	
16.5	18.0	Silty Clay, as above more yellow colours. Poor sample return.	AS764								
18.0	19.5	Silty Sand some clay, yellow grey, very wth'd sdstn chips.	AS765	18.0	19.5	1.5	<0.02	<1	230	41	
19.5	21.0	Silty Sand as above.	AS766								
21.0	22.5	Silty Sand and some clay, yellow brown. More abundant sdstn chips.	AS767	21.0	22.5	1.5	<0.02	<1	550	43	



Sheet No 1  
 Hole No PR83  
 Length of Hole 28.5 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From ..... To ..... Date 20/9/79.

From	To	Auger drilling to 4.5 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays PPM				
				From	To		Au	Ag	As	Cu	
0	0.5	Gravel, grey brown-fill.									
0.5	1.5	Silty Sand, bright yellow brown soft, some grit, probably fill.									
1.5	2.7	Laterite Clay red brown streaked and mottled grey, crumbly.	AS771								
2.7	4.5	Silty Gravel, bright yellow brown. Abundant fragments fresh grit, sdstn vein quartz. Gravel layer or old mine dump.	AS772	2.7	4.5	1.8	0.21	-	280	23	
4.5	6.0	Silty Gravel, as above, very hard 4.5-5.3-probably old mine dump as has a lot of quartz.	AS773	4.5	6.0	1.5	0.30	-	700	53	
6.0	7.5	Silty Sand, yellow brown to yellow grey, soft fluffy textured. Some nodules pale grey clay (kaolin?). Easy drilling.	AS774								
7.5	9.0	Silty Sand, very pale cream or grey, as above. Could be very wth'd basement.	AS775	7.5	9.0	1.5	0.05	-	130	22	
9.0	10.5	Silty Sand, as above but with some yellow brown stain. Sparse fragments very wth'd sdstn.	AS776								
10.5	12.0	Silty Sand, yellow grey with some dark yellow brown mottling. More clay than above. Easy drilling. Hole starts to clog.	AS777	10.5	12.0	1.5	-	-	260	22	
12.0	13.5	Silty Sand, yellow brown grey, soft, some clay. Some small chips very wth'd sdstn.	AS778								
13.5	15.0	Silty Sand, pale yellow grey. Abundant small chips very wth'd f gr grey sdstn. Drilling now much firmer. Probably very wth'd but solid sdstn basement.	AS779	13.5	15.0	1.5	-	-	240	21	



Sheet No 1  
 Hole No RB81  
 Length of Hole 28.5 m.

Property Beaconsfield, Tasmania  
 Licence No E.L.17/73  
 From To Date 24/9/79

From	To	Auger drilling to 3.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	0.2	Gravel clay etc.Fill.									
0.2	0.5	Lateritic clay,brick red,streaked grey.									
0.5	1.0	Silty Clay,bright yellow brown,soft,crumbly.									
1.0	2.5	Clay,pinkish yellow brown,crumbly but firm.Pale yellow grey streaks & mottles.Part of laterite sequence.									
2.5	3.0	Lateritic Clay,red,crumbly.Fragments quartz grit and fine conglomerate (Could be in old mine dump or fill)									
3.0	4.5	Silty Sand,pinkish brown,many chips grey and white mottled quartzite and quartz grit from hard zone at 3.8.Then soft drilling.Poor sample.	AS789	3.0	4.5	1.5	0.54	1.5	510	25	
4.5	6.0	Probably in old mine dump. Silty Clay,yellow brown to orange yellow brown,crumbly nodules pale grey clay.(Could be part of laterite sequence)	AS790								
6.0	7.5	Silty Sand,yellow with zone of orange brown stain & pale grey mottling.	AS791	6.0	7.5	1.5	0.03	-	330	27	
7.5	9.0	Silty Sand,pale yellow,soft.Drilling easy.	AS792								
9.0	10.5	Silty Sand,yellow,fluffy textured as above.	AS793	9.0	10.5	1.5	-	-	300	39	
10.5	12.0	Silty Sand,as above,common large chips wth'd f gr pale grey to yellow grey sdstr.Drilling firm.	AS794								
12.0	13.5	Silty Sand,as above at first changes to brick red at end of run.	AS795	12.0	13.5	1.5	-	-	310	35	
13.5	15.0	Silty Sand as above.	AS796								
15.0	16.5	Silty Sand,yellow grey,sparse wth'd sdstr.chips	AS797	15.0	16.5	1.5	-	-	350	74	



Sheet No 1  
 Hole No BB85  
 Length of Hole 4.5 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From ..... To ..... Date 25/9/79

From	To	Auger drilling to 3.0 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as - Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	1.0	Clay, orange brown, laterite, with with'd sdstn fragments. Could be fill.									
1.0	1.5	Silty Clay dark brown & orange brown, some nodules brick red & grey clay									
1.5	2.3	Silty Sand, bright yellow orange brown. Fine chips of quartzite and with'd sdstn.									
2.3	3.0	Silty Sand, orange brown. Many chips vein quartz, fresh blue grey quartz, grit, some with vein quartz attached, with'd sdstn. Drilling quite hard. Drilling quite hard. Probably old fill or mine dumps.									
3.0	4.5	Sand orange brown f gr. Abundant quartz chips & some very f gr silicified sdstn chips. Very hard drilling. Probably old dump material or even old foundations? Rods go into cavity, lose air & sample return. Hole abandoned.  E.O.H.	AS806	3.0	4.5	1.5	1.74	-	900	67	







Sheet No 1  
 Hole No RB88  
 Length of Hole 24.0 m.

Property Beaconsfield, Tasmania  
 Licence No E.L.17/73  
 From To Date 26/9/79

From	To	Auger drilling to 6.5 m. Assays by General Superintendence Co. Pty. Ltd. Gold values less than 0.02 ppm and Ag values less than 1.0 ppm shown Description of core as -. Hole Vertical.	Sample No	Footage		Length	Core assays ppm			
				From	To		Au	Ag	As	Cu
0	6.5	Silty Clay, pale yellow brown to yellow grey, crumbly. Many fragments hard bluish grey sdstn. Looks like fill.								
6.5	9.0	Silty Sand, pale brown grey. Many chips f gr pale grey, blue grey and black quartz sericite sdstn. Some wth'd and slightly ferruginous. Drilling quite hard.	AS823	6.5	9.0	2.5				
9.0	10.5	Sand, pale grey brown as above. Drilling quite hard.	AS824	9.0	10.5	1.5	0.02	-	60	5
10.5	12.0	Sand, as above, some chips with vein quartz attached.	AS825							
12.0	13.5	Silty Sand, pale grey, soft. Many chips blue grey f gr sericitic sdstn. Some vein quartz chips. Drilling quite hard.	AS826	12.0	13.5	1.5	0.02	-	40	6
13.5	15.0	Silty Sand, as above, but without vein quartz chips.	AS827							
15.0	16.5	Silty Sand, as above. Some chips slightly ferruginous.	AS828	15.0	16.5	1.5	0.02	-	10	5
16.5	18.0	Silty Sand, pale grey to yellow grey, some clay nodules. Chips f-m gr pale grey and blue grey qtz sericite sdstn, some slightly ferruginous and weathered. Drilling quite hard.	AS829							
18.0	19.5	Silty Sand, as above.	AS830	18.0	19.5	1.5	0.02	-	15	6
19.5	21.0	Silty Sand, bluish grey. Chips as above.	AS831	19.5	21.0	1.5	0.02	-	30	6
21.0	22.5	Silty Sand, as above, chips darker and less weathered. Drilling hard & slow.	AS832	21.0	22.5	1.5	0.02	-	6	8
22.5	24.0	Chips hard blue grey f-m gr sericitic quartzite. Drilling very hard & slow.	AS833	22.5	24.0	1.5	0.02	-	6	9

Sheet No 1  
 Hole No RB89  
 Length of Hole 25.0 m.

Property Beaconsfield, Tasmania  
 Licence No. E.L.17/73  
 From To Date 27/9/79

From	To	Description of core as - Hole Vertical.	Sample No	Footage		Length	Core assays ppm				
				From	To		Au	Ag	As	Cu	
0	1.5	Gravel & clay, red brown & brown. Some large stones.									
1.5	4.0	Silty Clay, pale yellow brown, crumbly, nodules, pale grey clay increasing with depth. Easy drilling, could be fill.									
4.0	4.3	Silty Clay, yellow orange brown, mottled red brown, crumbly.	AS834	4.0	4.3	0.3	0.14	-	170	26	
4.3	4.65	Sand, pale pinkish grey. many chips of very fine white to black vein quartz and very silicified sdstn. Very hard drilling. At end of run 5 cm soft going. Could be quartz vein or silicified zone.	AS835	4.3	4.65	0.35	0.03	-	80	15	
4.65	4.90	Sand, very fine orange brown to pinkish. Many small chips of quartz & silicified sdstn. Very hard drilling.	AS836	4.65	4.90	0.25	0.07	-	210	28	
4.90	6.0	Sand, very fine, orange colour as above, but drilling much softer except between 5.65 and 5.85. Common to abundant vein quartz chips.	AS837	4.90	6.0	1.1	0.55	-	750	29	
6.0	7.5	Sand, bright orange brown, with patches pale grey clay. Some chips ferruginous with sdstn, minor vein quartz. Drilling easy.	AS838	6.0	7.5	1.5	25.9	2.5	870	30	
7.5	9.0	Silty Sand, yellow brown, soft. Some chips very with yellow brown m gr sdstn, minor quartz. Drilling easy.	AS839	7.5	9.0	1.5					
9.0	10.5	Silty Sand, pale yellow grey, soft. Sparse fragments with m gr sdstn. (probably with basement) Drilling easy.	AS840	9.0	10.5	1.5	1.08	-	200	21	
10.5	12.0	Silty Sand, as above.	AS841	10.5	12.0	1.5					
12.0	13.5	Silty Sand, as above but darker yellow.	AS842	12.0	13.5	1.5	0.12	-	150	27	
13.5	15.0	Silty Sand, yellow, soft fluffy texture. Common chips very with m gr yellow grey sdstn. Drilling firmer from 14.5.	AS843								



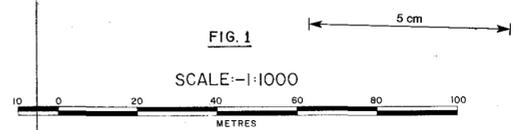
MAPS AND FIGURES ACCOMPANYING REPORT

- 1) Location Map of Drill Holes with Geology Lines 1 & 2
- 2) Location Map of Drill Holes with Geology Line 3
- 3) Location Map of Drill Holes with Geology Line 4
- 4) Sections Line 1 & 2 showing Geology and Sample Locations
- 5) Sections Line 1 & 2 showing Geochemistry Au Ag
- 6) Sections Line 1 & 2 showing Geochemistry Cu As
- 7) Sections Line 1 & 2 showing Geochemistry Pb Zn
- 8) Sections Line 3 showing Geology and Sample Locations
- 9) Sections Line 3 showing Geochemistry Au & Ag
- 10) Sections Line 3 showing Geochemistry Cu & As
- 11) Sections Line 3 showing Geochemistry Pb & Zn
- 12) Sections Line 4 showing Geology and Sample Locations
- 13) Sections Line 4 showing Geochemistry Au & Ag
- 14) Sections Line 4 showing Geochemistry Cu & As
- 15) Sections Line 4 showing Geochemistry Pb & Zn

# ALLSTATE EXPLORATIONS N.L. E.L. 17/73 BEACONSFIELD TASMANIA

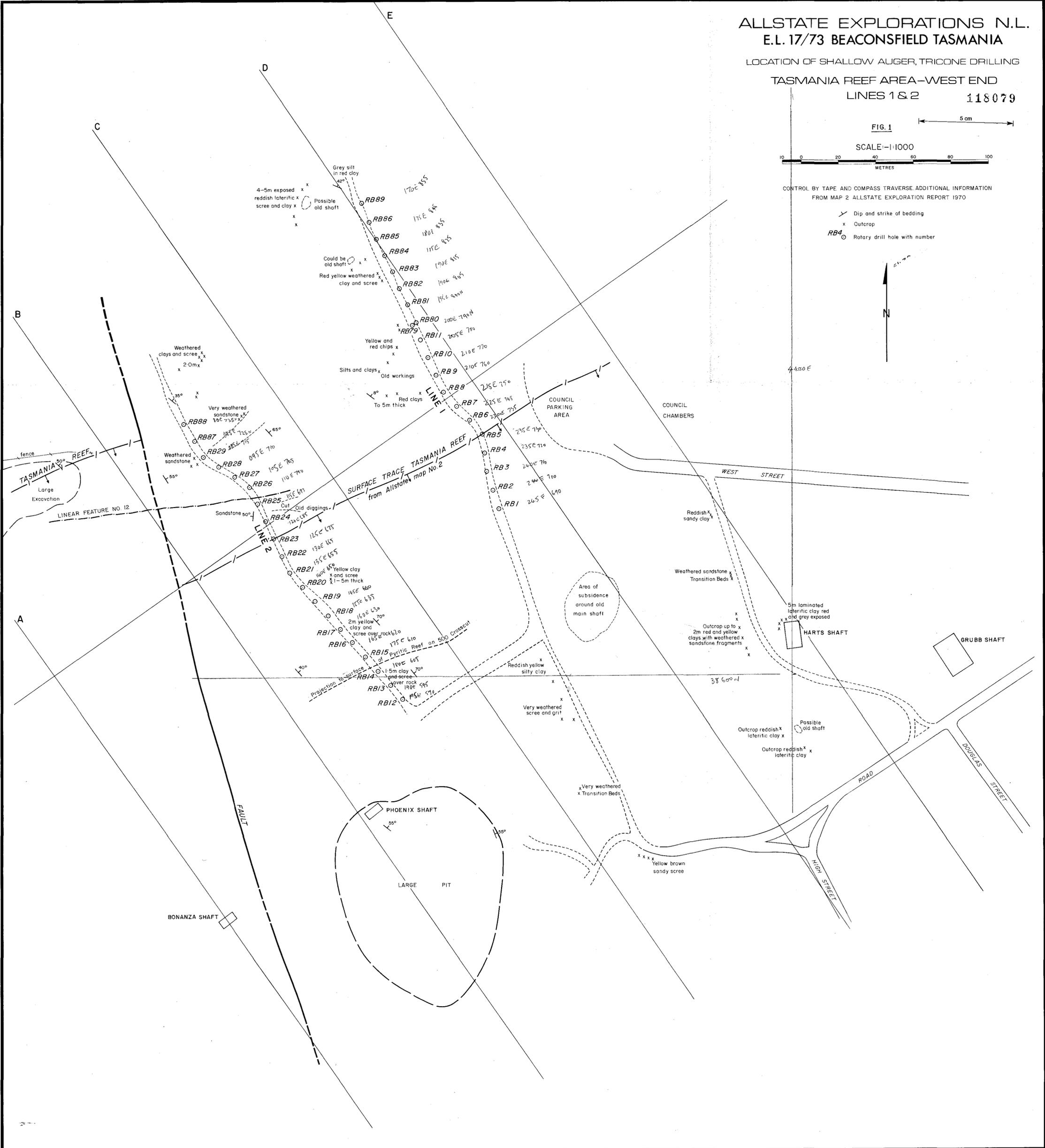
LOCATION OF SHALLOW AUGER, TRICONE DRILLING

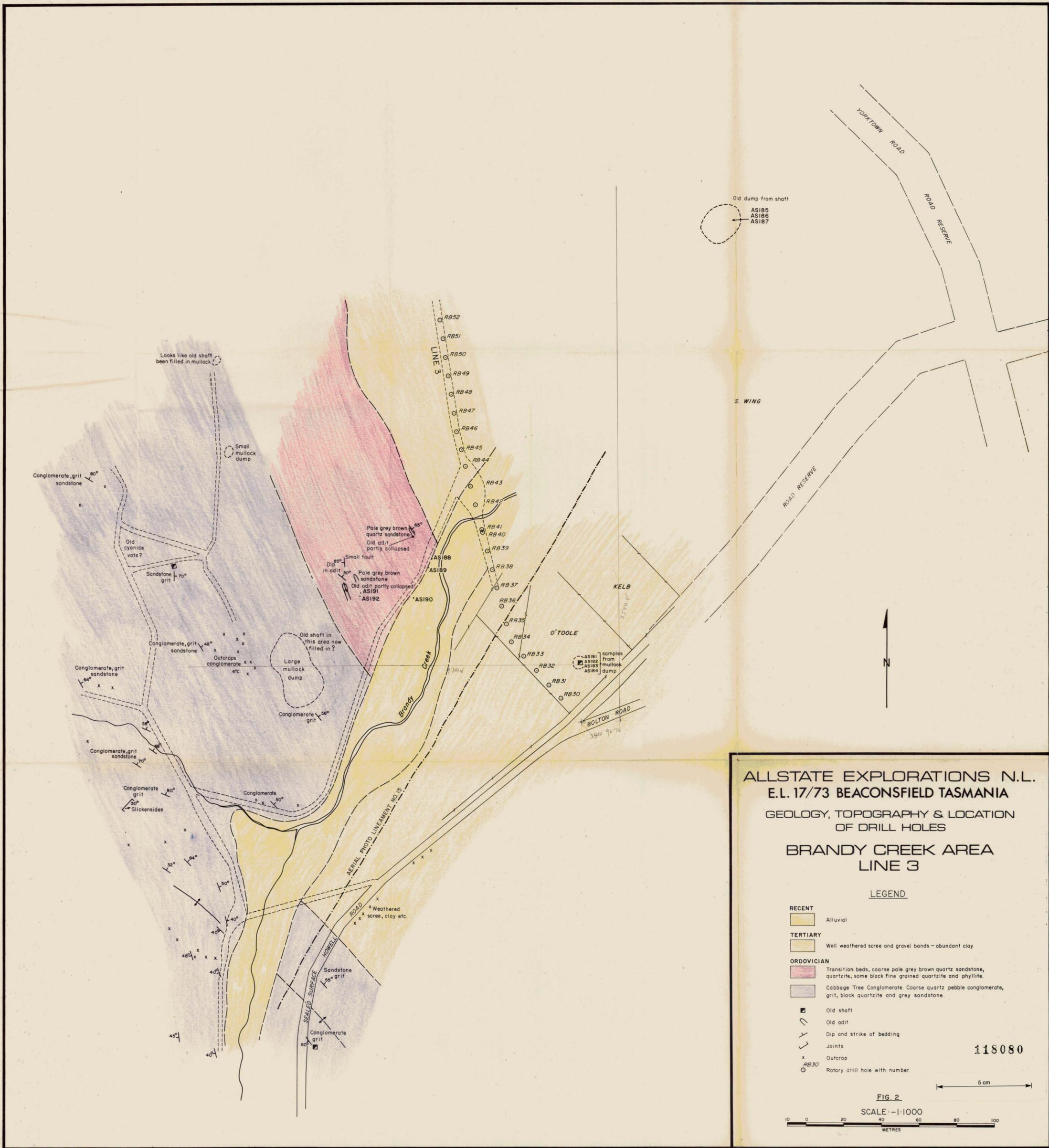
TASMANIA REEF AREA - WEST END  
LINES 1 & 2 118079



CONTROL BY TAPE AND COMPASS TRAVERSE ADDITIONAL INFORMATION FROM MAP 2 ALLSTATE EXPLORATION REPORT 1970

- Y Dip and strike of bedding
- x Outcrop
- RB4 Rotary drill hole with number





copy - b7

ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA

GEOLOGY & LOCATION OF AUGER  
& ROTARY DRILLING

NORTH TASMANIA AREA  
M.L. 5M/76 (BLEAZARD)

LINE 4

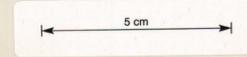
FIG. 3

SCALE: 1:1000

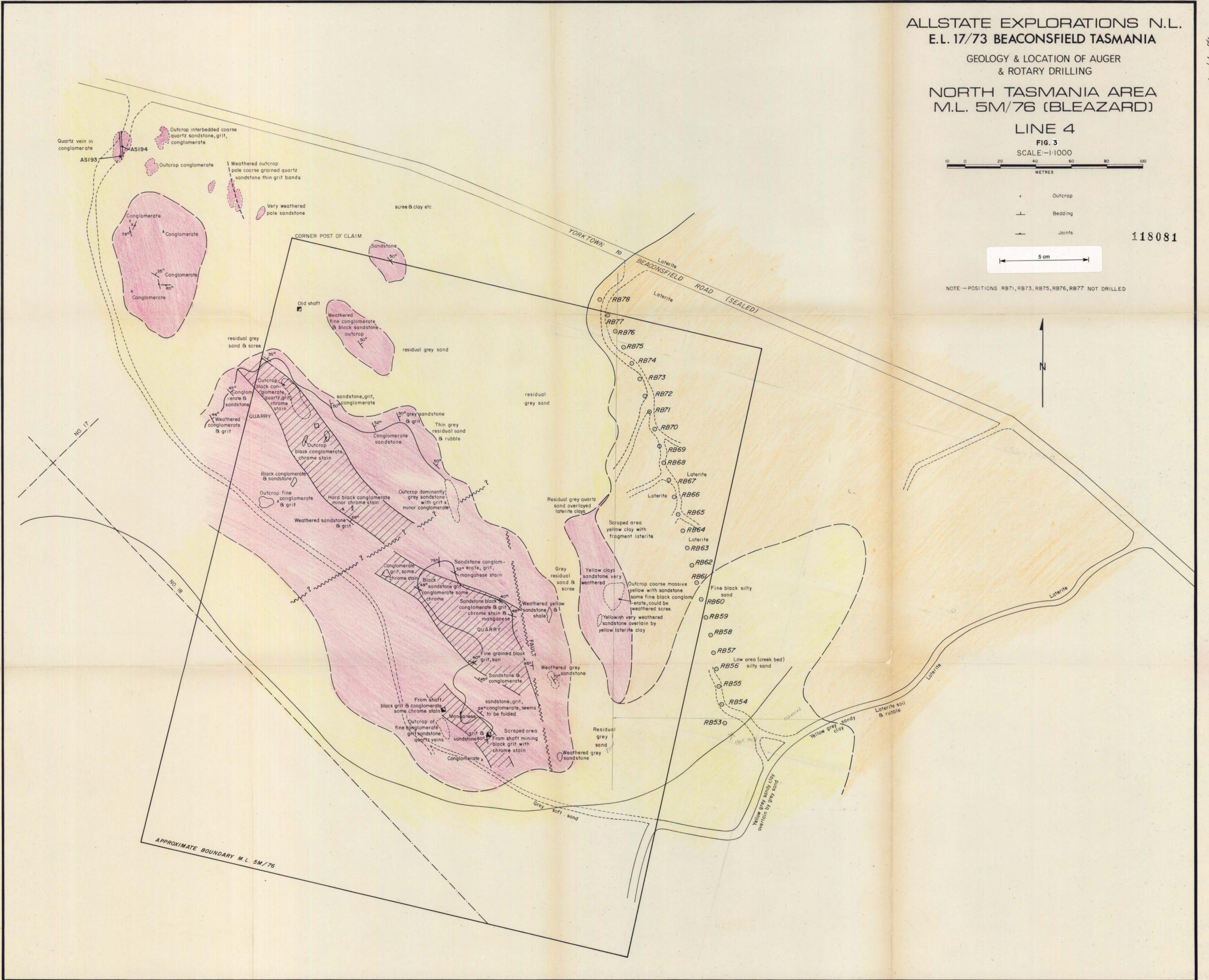


- x Outcrop
- Bedding
- Joints

118081



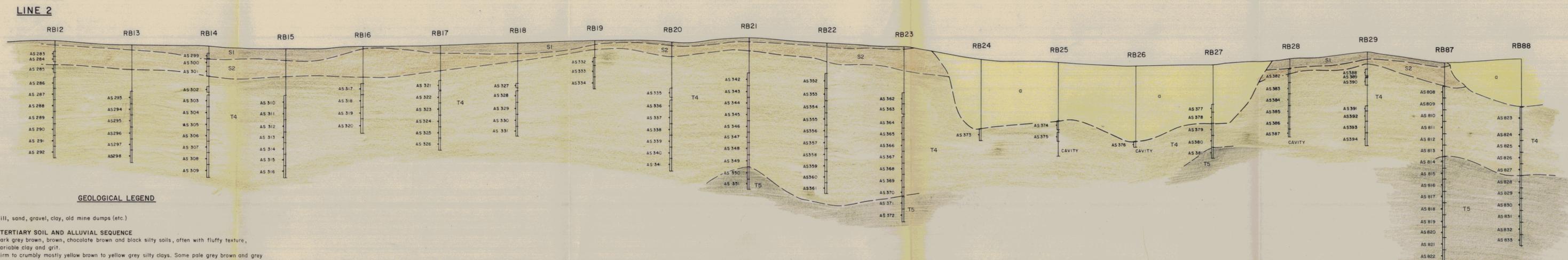
NOTE - POSITIONS RB71, RB73, RB75, RB76, RB77 NOT DRILLED



79-11-03

ALLSTATE EXPLORATIONS N.L.  
 E.L. 17/73 BEACONSFIELD TASMANIA  
 LINES 1&2 118082  
**GEOLOGY AND SAMPLE LOCATIONS**

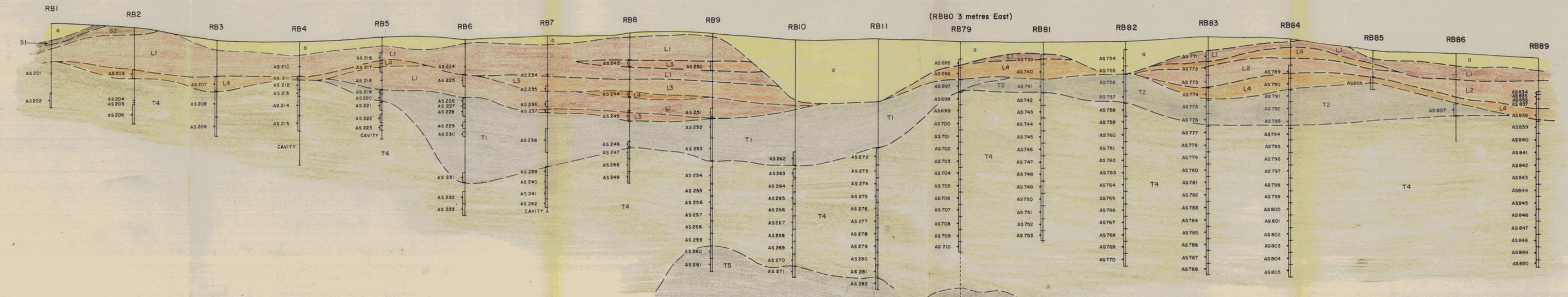
FIG. 4



**GEOLOGICAL LEGEND**

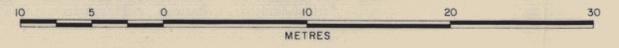
- a Fill, sand, gravel, clay, old mine dumps (etc.)
- UPPER TERTIARY SOIL AND ALLUVIAL SEQUENCE**
- S1 Dark grey brown, brown, chocolate brown and black silty soils, often with fluffy texture, variable clay and grit.
- S2 Firm to crumbly mostly yellow brown to yellow grey silty clays. Some pale grey brown and grey sticky clay. Some mottling.
- S3 Coarse gravel, sand and silts in stream channels. Soft grey silts with gravel bands and some clay.
- LATERITE SEQUENCE**
- L1 Brick red to dark red brown, some orange red brown hard crumbly to soft sticky clay. Frequent yellow brown and pale grey streaks and mottles.
- L2 Hard ferruginous laterite cap. Many angular fragments vein quartz, also some weathered sandstone.
- L3 Orange brown, grey brown, some red brown silty clays—often soft with common gravel horizons. Gravel consists of subrounded quartz, weathered sandstone and some ferruginous sandstone.
- L4 Bright orange to yellowish orange and orange soft silts and silty sand with fluffy texture.
- OLDER SEDIMENTS**
- O1 Dark yellow brown soft sticky plastic clays. Partly ferruginous, may be laterized.
- O2 Multicoloured banded silts and silty clays, yellow, yellow brown orange pinkish brown, purplish grey, with thin sandy beds and thin horizons of fine quartz gravel.
- O3 Dark grey, grey brown, chocolate brown and black, soft organic rich silts some thin sandy and gravel layers. Old swamp deposits?
- O4 Grey brown silts and fine sand with some organic matter. Layer of pale cream to very pale sandy clay to West.
- PALEOZOIC SEQUENCE**
- q Quartz veins, coarse grained, some carbonate common pyrite.
- TRANSITION BEDS**
- T1 Yellow brown, yellow grey, brown and brown grey soft silty sticky clays and silty sand with sparse well weathered rock fragments (scree and residual weathering).
- T2 Very pale grey, cream and white bleached soft fluffy textured silt and silty sand with abundant white clay. Sparse weathered very soft sandstone chips. (residual weathering?)
- T3 Weathered and leached sandstone—grey brown, dark brown and chocolate brown, silty sand with abundant chips of weathered quartz sericite sandstone. (Dark colour due to mangrove compounds deposited in zone of fluctuating water table).
- T4 Pale yellow brown, yellow grey and brown grey, some blue grey. Very weathered, crumbly with some clay. Many fragment quartz sericite sandstone. Minor phyllite.
- T5 Relatively fresh to moderately weathered yellow brown, brown grey and grey fine to medium grained quartz and quartz sericite sandstones. Minor phyllite.
- T6 Dark bluish grey to grey and black fine grained phyllite.

**LINE 1**



5 cm

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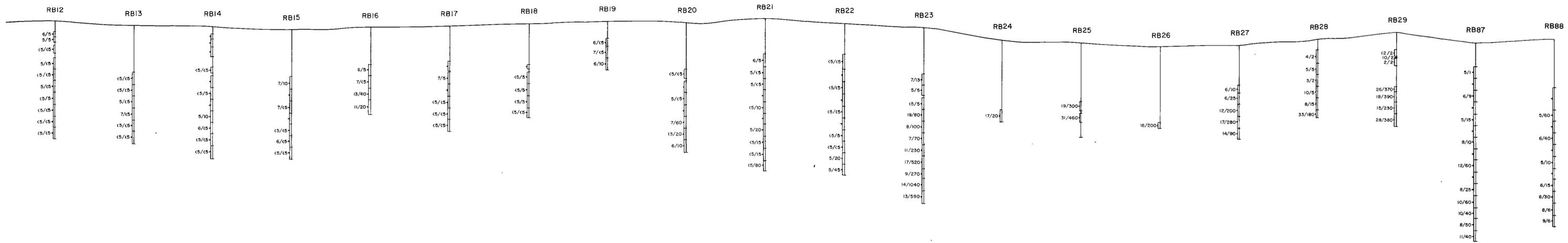




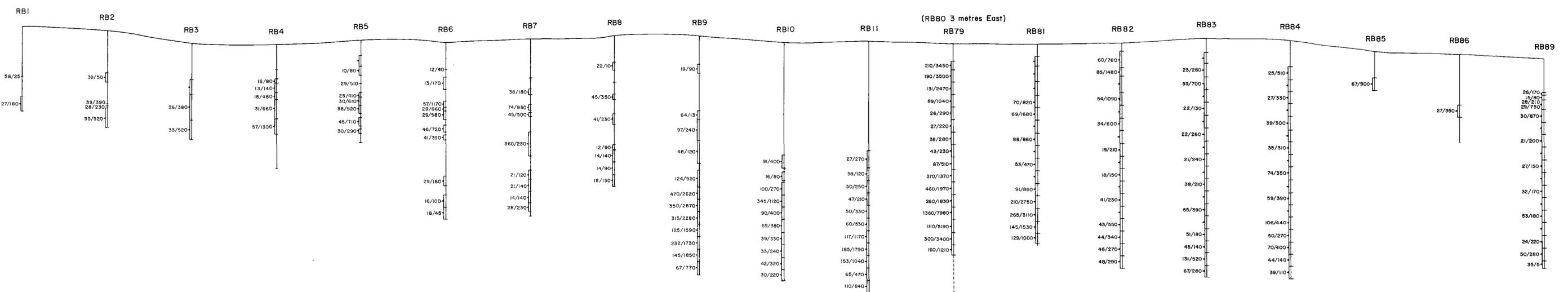
ALLSTATE EXPLORATIONS N.L.  
 E.L. 17/73 BEACONSFIELD TASMANIA  
 LINES 1&2  
**GEOCHEMICAL RESULTS**  
 COPPER AND ARSENIC

FIG. 6

**LINE 2**



**LINE 1**



13/20  
 All results in ppm  
 Cu/As

5 cm

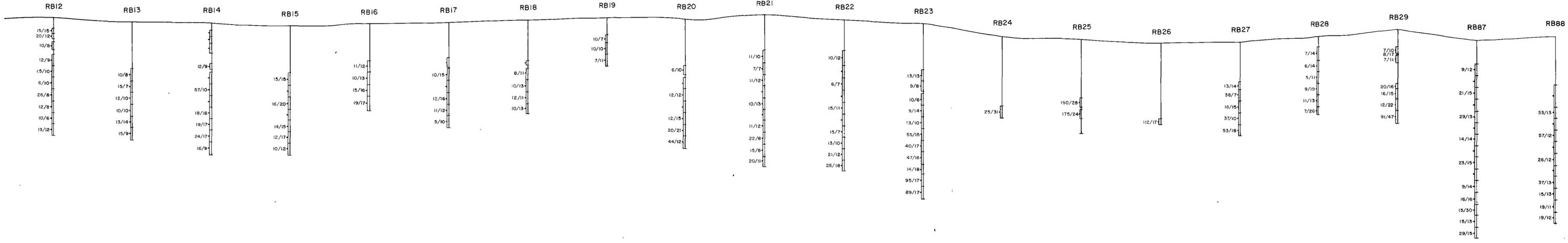
SCALE - 1 250



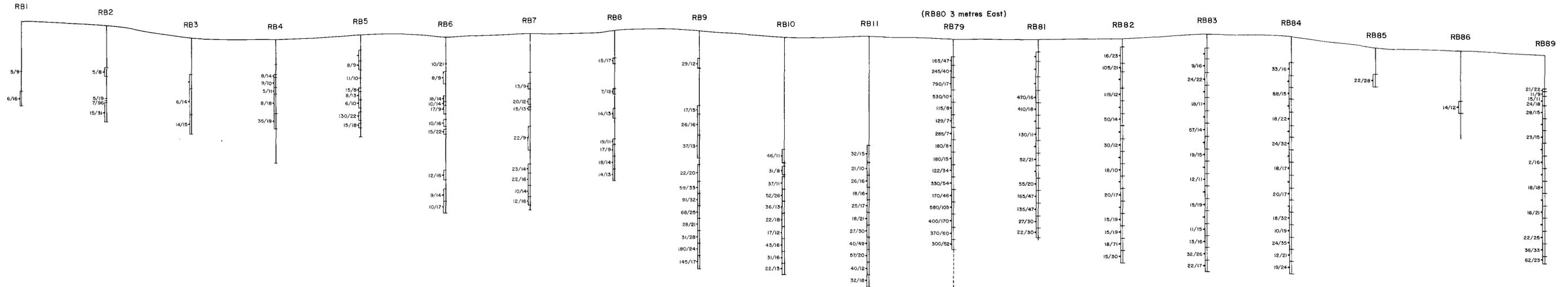
ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA  
LINES 1&2  
**GEOCHEMICAL RESULTS**  
LEAD AND ZINC

FIG. 7

**LINE 2**



**LINE 1**



5/14  
All results in ppm

Pb/Zn

5 cm

SCALE - 1 250

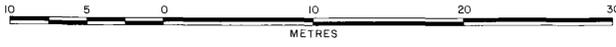
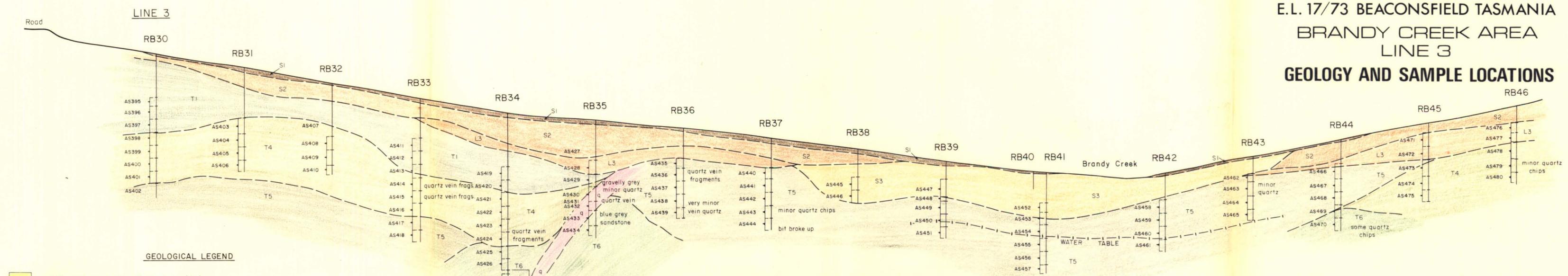
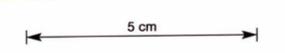


FIG. 8  
 ALLSTATE EXPLORATIONS N.L.  
 E.L. 17/73 BEACONSFIELD TASMANIA  
 BRANDY CREEK AREA  
 LINE 3  
**GEOLOGY AND SAMPLE LOCATIONS**



**GEOLOGICAL LEGEND**

- a Fill, sand, gravel, clay, old mine dumps (etc.)
- UPPER TERTIARY SOIL AND ALLUVIAL SEQUENCE**
- S1 Dark grey brown, brown, chocolate brown and black silty soils, often with fluffy texture, variable clay and grit.
- S2 Firm to crumbly mostly yellow brown to yellow grey silty clays. Some pale grey brown and grey sticky clay. Some mottling.
- S3 Coarse gravel, sand and silts in stream channels. Soft grey silts with gravel bands and some clay.
- LATERITE SEQUENCE**
- L1 Brick red to dark red brown, some orange red brown hard crumbly to soft sticky clay. Frequent yellow brown and pale grey streaks and mottles.
- L2 Hard ferruginous laterite cap. Many angular fragments vein quartz, also some weathered sandstone.
- L3 Orange brown, grey brown, some red brown silty clays—often soft with common gravel horizons. Gravel consists of subrounded quartz, weathered sandstone and some ferruginous sandstone.
- L4 Bright orange to yellowish orange and orange soft silts and silty sand with fluffy texture.
- OLDER SEDIMENTS**
- O1 Dark yellow brown soft sticky plastic clays. Partly ferruginous, may be laterized.
- O2 Multicoloured banded silts and silty clays, yellow, yellow brown orange pinkish brown, purplish grey, with thin sandy beds and thin horizons of fine quartz gravel.
- O3 Dark grey, grey brown, chocolate brown and black, soft organic rich silts some thin sandy and gravel layers. Old swamp deposits?
- O4 Grey brown silts and fine sand with some organic matter. Layer of pale cream to very pale sandy clay to West.
- PALEOZOIC SEQUENCE**
- q Quartz veins, coarse grained, some carbonate common pyrite.
- TRANSITION BEDS**
- T1 Yellow brown, yellow grey, brown and brown grey soft silty sticky clays and silty sand with sparse well weathered rock fragments (scree and residual weathering).
- T2 Very pale grey, cream and white bleached soft fluffy textured silt and silty sand with abundant white clay. Sparse weathered very soft sandstone chips. (residual weathering?).
- T3 Weathered and leached sandstone—grey brown, dark brown and chocolate brown, silty sand with abundant chips of weathered quartz sericite sandstone. (Dark colour due to mangrove compounds deposited in zone of fluctuating water table).
- T4 Pale yellow brown, yellow grey and brown grey, some blue grey. Very weathered, crumbly with some clay. Many fragment quartz sericite sandstone. Minor phyllite.
- T5 Relatively fresh to moderately weathered yellow brown, brown grey and grey fine to medium grained quartz and quartz sericite sandstones. Minor phyllite.
- T6 Dark bluish grey to grey and black fine grained phyllite.



SCALE :- 1:250

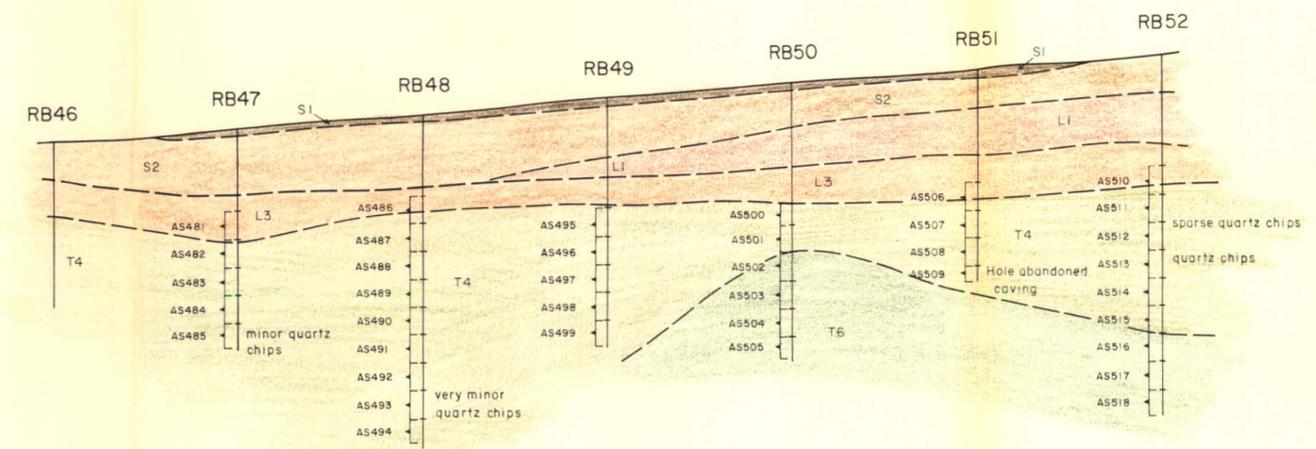
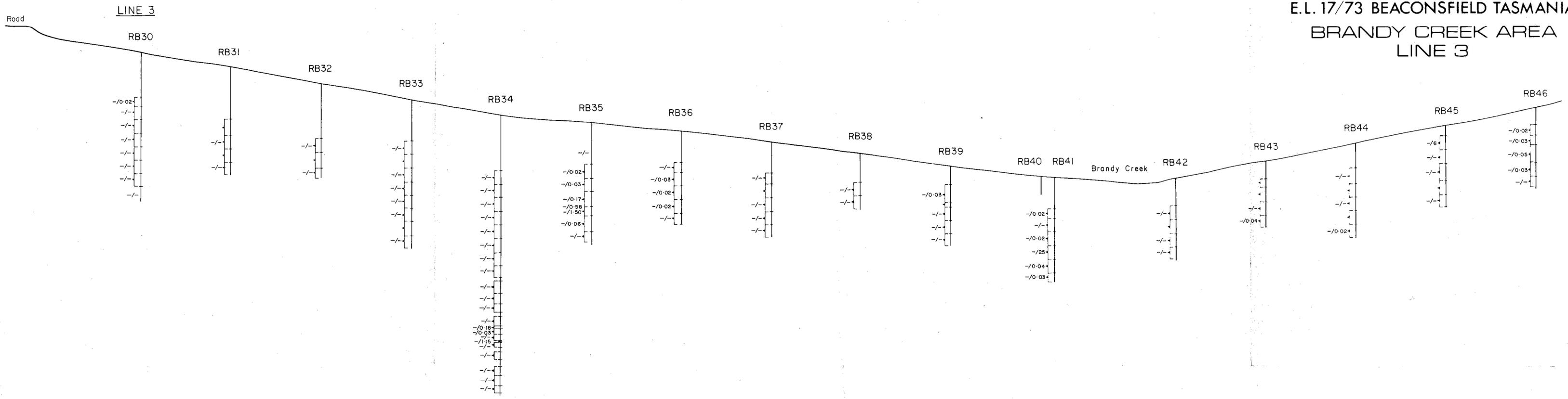


FIG. 9  
ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA  
BRANDY CREEK AREA  
LINE 3



**GEOCHEMICAL RESULTS**  
SILVER AND GOLD

-/0.02 ..... Ag/Au  
-/- (1/100.02)  
All results in ppm

5 cm

SCALE: 1:250

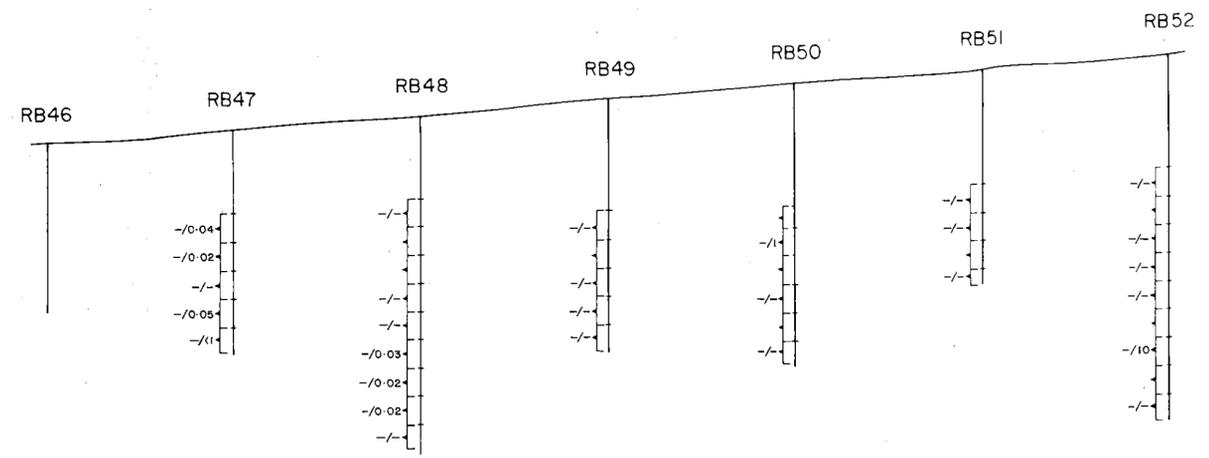
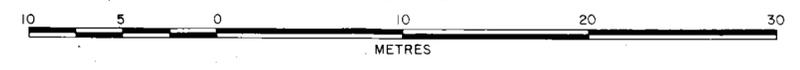
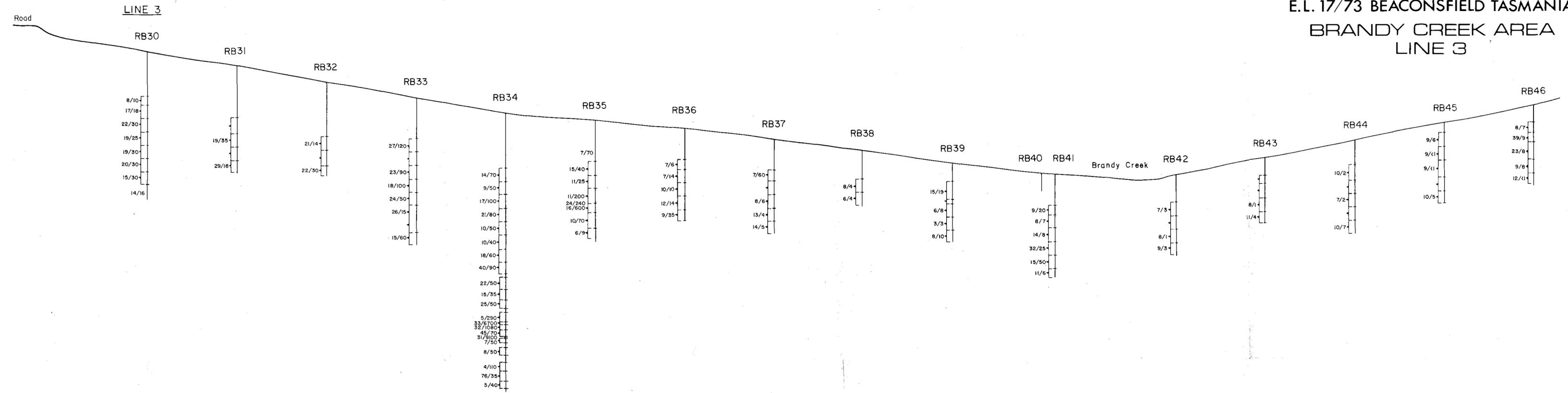


FIG. 10  
 ALLSTATE EXPLORATIONS N.L.  
 E.L. 17/73 BEACONSFIELD TASMANIA  
 BRANDY CREEK AREA  
 LINE 3



**GEOCHEMICAL RESULTS**  
 COPPER AND ARSENIC

9/20 ..... Cu/As  
 All results in ppm

5 cm

SCALE - 1:250

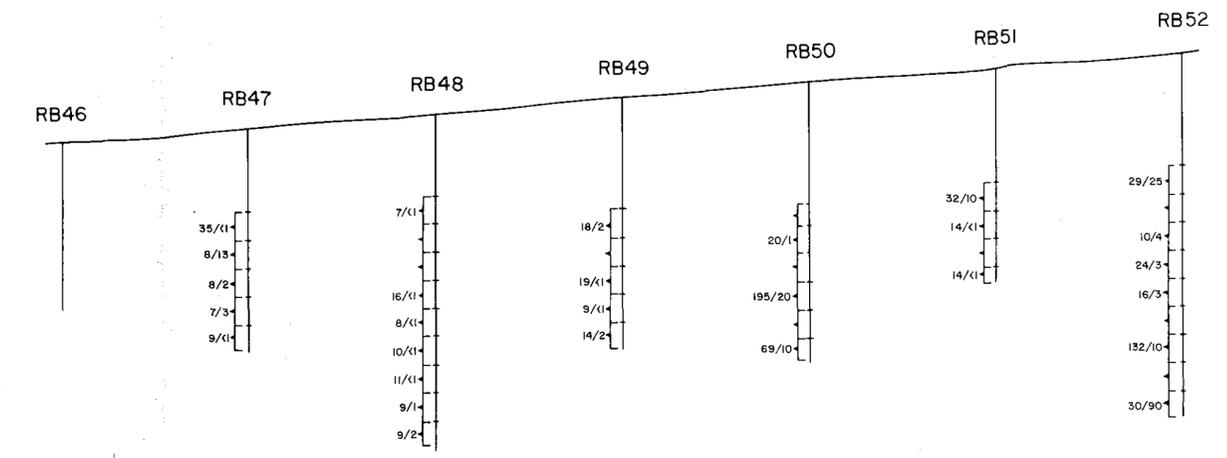
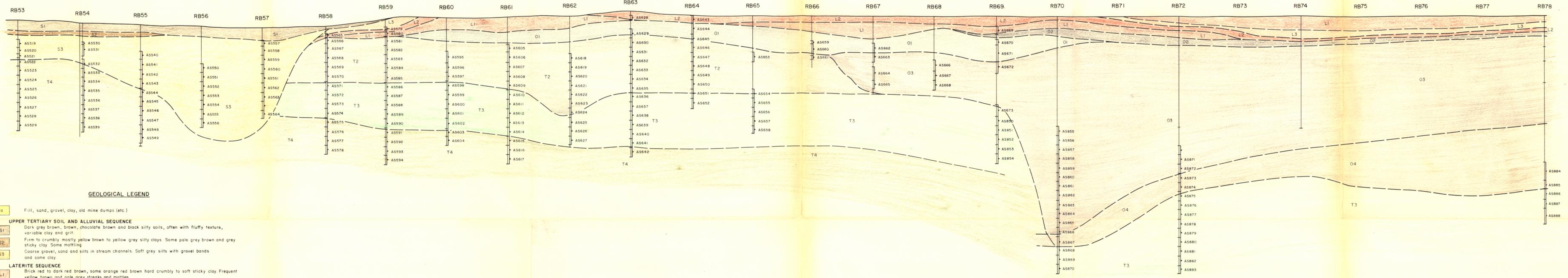




FIG. 12  
ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA  
NORTH TASMANIA AREA  
LINE 4



GEOLOGICAL LEGEND

- a Fill, sand, gravel, clay, old mine dumps (etc.)
- UPPER TERTIARY SOIL AND ALLUVIAL SEQUENCE**
- S1 Dark grey brown, brown, chocolate brown and black silty soils, often with fluffy texture, variable clay and grit.
- S2 Firm to crumbly mostly yellow brown to yellow grey silty clays. Some pale grey brown and grey sticky clay. Some mottling.
- S3 Coarse gravel, sand and silts in stream channels. Soft grey silts with gravel bands and some clay.
- LATERITE SEQUENCE**
- L1 Brick red to dark red brown, some orange red brown hard crumbly to soft sticky clay. Frequent yellow brown and pale grey streaks and mottles.
- L2 Hard ferruginous laterite cap. Many angular fragments vein quartz, also some weathered sandstone.
- L3 Orange brown, grey brown, some red brown silty clays—often soft with common gravel horizons. Gravel consists of subrounded quartz, weathered sandstone and some ferruginous sandstone.
- L4 Bright orange to yellowish orange and orange soft silts and silty sand with fluffy texture.
- OLDER SEDIMENTS**
- O1 Dark yellow brown soft sticky plastic clays. Partly ferruginous, may be laterized.
- O2 Multicoloured banded silts and silty clays, yellow, yellow brown orange pinkish brown, purplish grey, with thin sandy beds and thin horizons of fine quartz gravel.
- O3 Dark grey, grey brown, chocolate brown and black, soft organic rich silts some thin sandy and gravel layers. Old swamp deposits?
- O4 Grey brown silts and fine sand with some organic matter. Layer of pale cream to very pale sandy clay to West.
- PALEOZOIC SEQUENCE**
- q Quartz veins, coarse grained, some carbonate common pyrite.
- TRANSITION BEDS**
- T1 Yellow brown, yellow grey, brown and brown grey soft silty sticky clays and silty sand with sparse well weathered rock fragments (scree and residual weathering).
- T2 Very pale grey, cream and white bleached soft fluffy textured silt and silty sand with abundant white clay. Sparse weathered very soft sandstone chips. (residual weathering?)
- T3 Weathered and leached sandstone—grey brown, dark brown and chocolate brown, silty sand with abundant chips of weathered quartz sericite sandstone. (Dark colour due to mangrove compounds deposited in zone of fluctuating water table).
- T4 Pale yellow brown, yellow grey and brown grey, some blue grey. Very weathered, crumbly with some clay. Many fragment quartz sericite sandstone. Minor phyllite.
- T5 Relatively fresh to moderately weathered yellow brown, brown grey and grey fine to medium grained quartz and quartz sericite sandstones. Minor phyllite.
- T6 Dark bluish grey to grey and black fine grained phyllite.

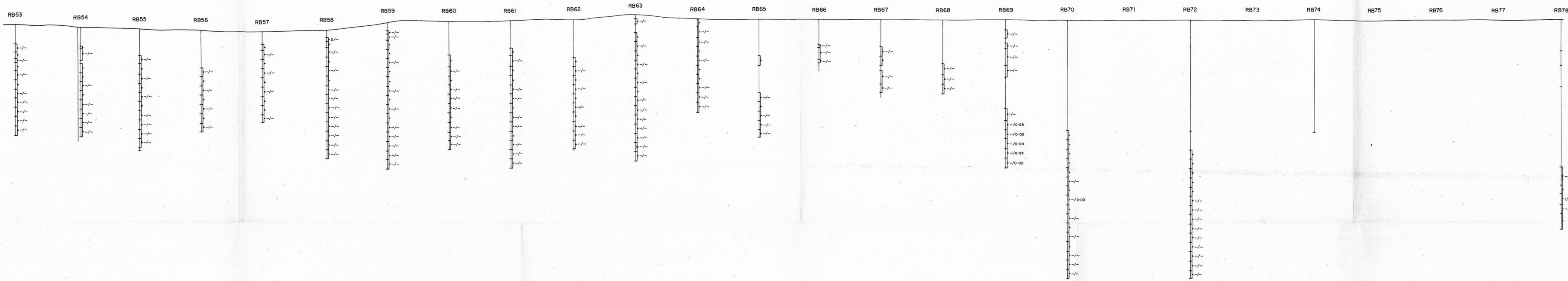
GEOLOGY AND SAMPLE LOCATIONS



SCALE: 1:250



FIG. 13  
ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA  
NORTH TASMANIA AREA  
LINE 4



**GEOCHEMICAL RESULTS**  
SILVER AND GOLD

1/0.03 ..... Ag/Au  
-/ ..... Cl/10.02  
All results in ppm

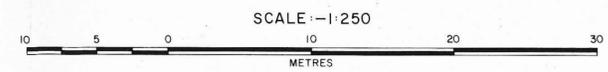
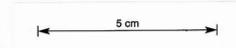
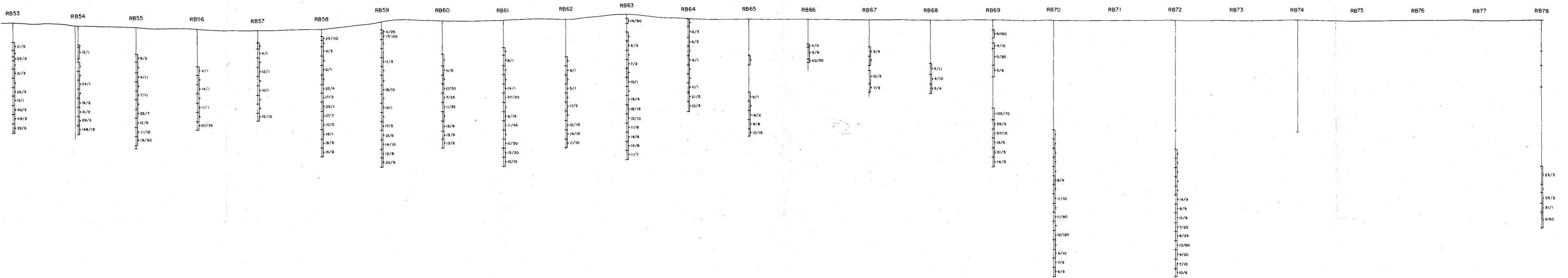


FIG. 14  
ALLSTATE EXPLORATIONS N.L.  
E.L. 17/73 BEACONSFIELD TASMANIA  
NORTH TASMANIA AREA  
LINE 4



**GEOCHEMICAL RESULTS**  
COPPER AND ARSENIC

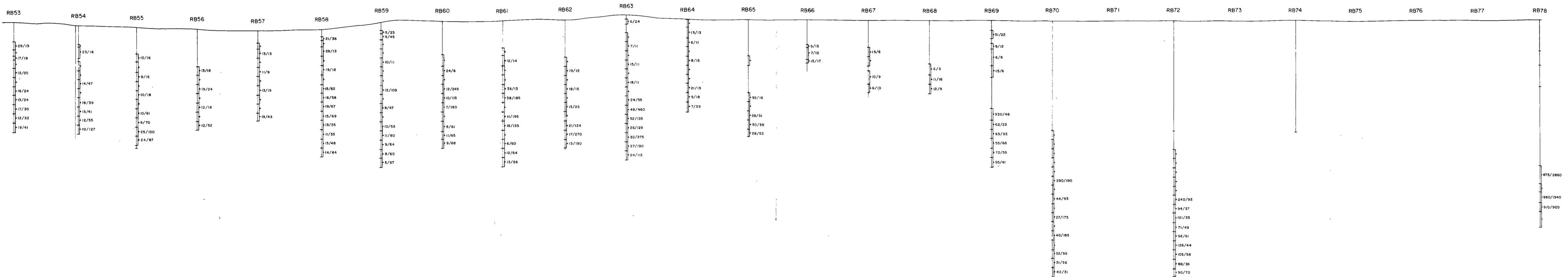
10/15 ..... Cu/As  
All results in ppm



SCALE 1:250



FIG. 15  
 ALLSTATE EXPLORATIONS N.L.  
 E.L. 17/73 BEACONSFIELD TASMANIA  
 NORTH TASMANIA AREA  
 LINE 4



**GEOCHEMICAL RESULTS**

LEAD AND ZINC

31/22 Pb/Zn  
 All results in ppm

5 cm

SCALE - 1 250

