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PROJECT NAME: AUSTRALIAN ANGLO AMERICAN - TRIAKO

RINGAROOMA JOINT VENTURE

TITLE: E.L. 2/77

Annual Report

to

83-1945

the Department of Mines, Tasmania,

for 11 months from 8/3/82 to 7/2/83

Volume 1

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

South Mt. Cameron
SK55-4 Launceston
E570 000 N54 50 000

COMMODITY/IES: Tin

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PLAN NOS:

Location plan
TAS-10-43, 44, 46, 48, 49)

TABLE NOS:

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44C)

Volume 1

Transparencies held in vertiplan.

Volume 2

(Duplicate copies)

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DATE:

February, 1983.

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

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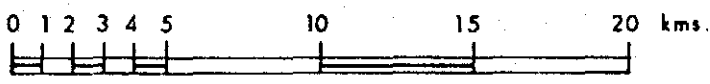
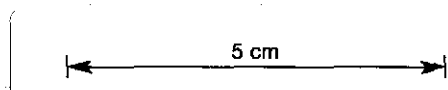
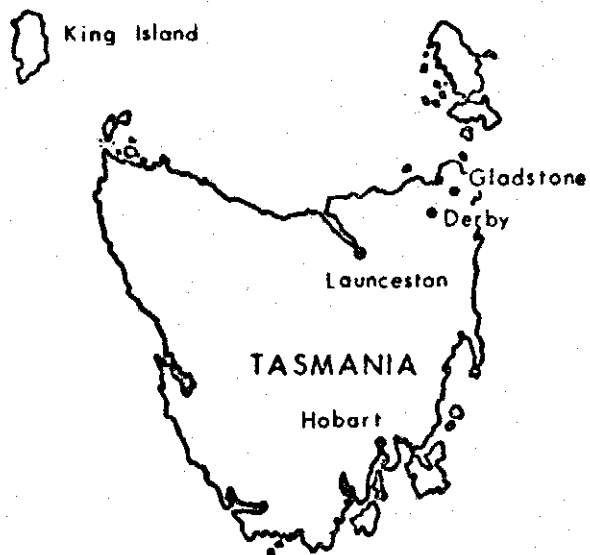
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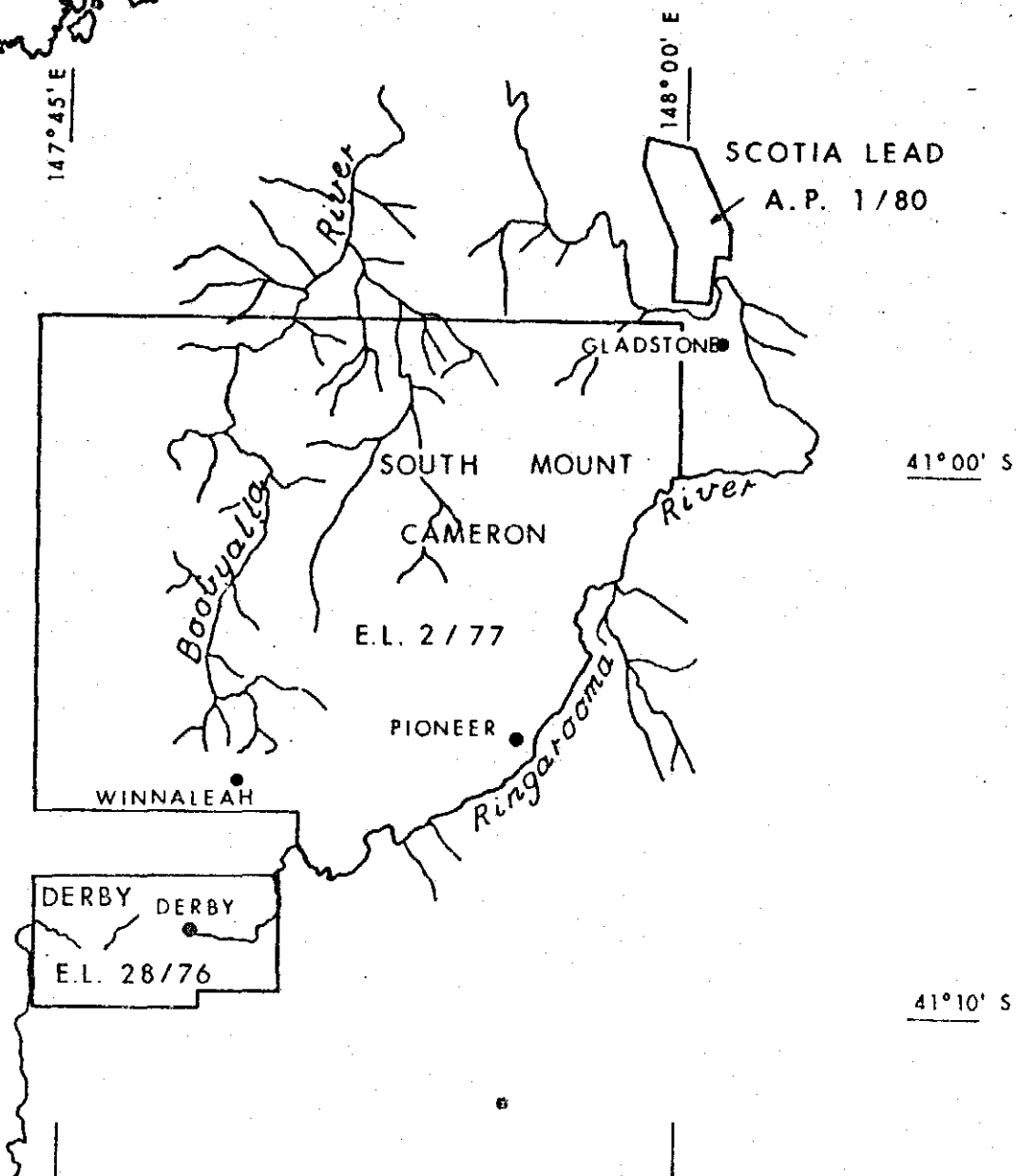
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Scale 1 : 250000



Amdex Mining Limited

NORTH - EASTERN TASMANIA LOCATION MAP

Author:	Date:	Dwg. No.:	Figure 1.
Drafting:	Report No.:	Base Plan:	

SOUTH MT. CAMERONE.L. 2/77ANNUAL REPORT TO THE DEPARTMENT OF MINESFOR ELEVEN MONTHS FROM 8/3/82 TO 7/2/831. INTRODUCTION

Australian Anglo American Prospecting Pty. Ltd., and the Triako group of companies are exploring the Great Northern Plain and the Ringarooma Valley for alluvial tin deposits under a Joint Venture Agreement. Moruka Tin Pty. Ltd. and Kibuka Mines Pty. Ltd. are members of the Triako group. The principal exploration tenements involved in the joint venture are:-

<u>Tenement</u>	<u>Company</u>
E.L. 28/76	Moruka Tin Pty. Ltd.
A.P. 1/80	Kibuka Mines Pty. Ltd.
E.L. 2/77	" " "

The location of these tenements is shown on the attached plan. It is intended to investigate these tenements as much as possible as one prospecting entity.

2. SUMMARY

Work during the year has been concentrated in the Ringarooma Basin of Tertiary sediments between the Endurance Lead in the north and the Pioneer Lead in the south. Percussion drilling by churn drill in the north east of the basin tested the Eastern Leads System but did not locate ore grade mineralisation. Reverse circulation (R.C.) drilling at Endurance showed that there is not much extension to the mineralisation in the Endurance Lead beyond the reserves already proved by previous drilling. This drilling also helped define the basement structure in the north of the Ringarooma Basin.

R.C. drilling at Pioneer defined the basement structure and located an extension to the alluvial mineralisation of the Pioneer Lead.

In the Ringarooma Basin, widely spaced R.C. drilling gave an indication of the broad scale basement structure of the basin.

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3. DRILLING (Plan TAS-10-44)

There were three phases of drilling. Initially, two churn drills tested the Eastern Leads system. In the second phase, a Davis Schramm KT2-42, operating as a Reverse Circulation Air Blast rig, (R.C.), drilled at Endurance, Pioneer and in the Ringarooma Basin between Endurance and Pioneer. In the third phase, a sledge mounted churn rig drilled in swampy areas at Pioneer.

<u>Location</u>	<u>Type of Drilling</u>	<u>Hole Numbers</u>	<u>No. of Holes</u>	<u>Metres Drilled</u>
Eastern Leads	Churn	ELP1 to 29	29	1076.6
Ringarooma Basin	R.C.	RRC1 to 21	21	1295.5
Endurance	R.C.	ERC3 to 41	40	2201.4
Pioneer	R.C.	K111RC2	65	3095.0
	Churn	K170RC to K232RC K233	1	49.0
TOTAL			156	7717.5

4. SOUTHERN ENDURANCE AND EASTERN LEADS SYSTEM (Plans TAS-10-43,44)4.1 Introduction

The South Endurance and Eastern Leads System comprises a series of Tertiary alluvials occurring as sheets and gutters in the north-eastern sector of the Ringarooma Basin. The South Endurance Lead (E578 000 N5 458 500), located approximately 1km. south east from the Endurance Lead, had been located by auger drilling (BMI Gemco, 1970). The Eastern Leads (E580 000, N5 456 500) are located 3.5km. south east from the Endurance Lead and west of the Gladstone Road. Prior to the drilling of the 1982 ELP series of holes, auger and percussion holes had been drilled in the area, but this drilling did not completely define the course of the leads nor indicate mineralisation, as there were insufficient holes, the auger holes do not allow sampling below the water table and a significant number of percussion holes did not extend to basement. However, the drilling

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did indicate three leads. The most southerly lead was generally referred to as the Eastern Lead, and it headed in a north westerly direction from E580 000 N54 54600. The "middle" lead, called the Corduroy Creek Lead headed westerly from E580 000 N54 56600. The northernmost lead headed westerly through E579 500 N54 57500. Hitherto un-named, this lead will be referred to as Harmon's Lead after the working close to where it surfaces.

The three leads comprising the Eastern Leads System are similar to other Tertiary leads in the Ringarooma Valley in their direction of drainage, general basement morphology and sediment type. They contrast strongly with respect to cassiterite grade, distribution and source characteristics. The Eastern leads do not appear to have well developed proximal watersheds in the margin of the Blue Tier massif to the east. There also appears to be a general paucity in hard rock mineralisation present in this province.

If it originally extended from Swain Creek, the Corduroy Creek Lead has most certainly suffered severe truncation of up to 2.5km. by Quaternary erosion and re-working in the present Ringarooma River valley. The most heavily mineralised portion of the lead has thus been removed. This in turn has masked the position of the remaining lead making its investigation more difficult.

It is now fairly certain that Harmon's Lead and the related depression to the north, hitherto referred to as the South Endurance Lead, both stem from low monadnocks of granite in the proximity of Gladstone Road. The absence of a source area of any size precludes the presence of adequate mineralisation levels.

In the 1982 ELP drilling programme, holes were drilled on lines oriented north-south and spaced 400m. apart. On the lines, holes were spaced 160m. apart, with closer spacing in areas of interest. Locations of holes are shown on Plans TAS-10-43 and TAS-10-44. Summaries of drill results and Drill Logs are appended.

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4.2 Results

4.2.1 Quaternary Sediments

It should be noted that the Tertiary sediments east of approximately E580 000 (i.e. east of the area drilled) have been re-worked during the Quaternary by the present Ringarooma River. These Quaternary sediments were intersected in holes in Line 1 (ELP1 to 5) and Line 2 (ELP6 to 9), depths of the Quaternary being 8 metres on Line 1 and up to 1 metre on Line 2. On Line 1, virtually all the tin was located in the Quaternary sediments, the deeper Tertiary sediments being virtually barren.

A generalised section of the Line 1 is as follows:-

<u>From</u> (m)	<u>To</u> (m)	<u>Description</u>	<u>Grade</u>
0	1	Soil)	Generally about 30g SnO ₂ /m ³
1	2	Silcrete)	
2	8	Quaternary alluvials)	
8		Discontinuous pebble wash)	
8	Bottom of hole	Quartz granules, sand) white clay bands, organic) bands, rare gravel, very) rare wash)	About 4g SnO ₂ /m ³
Basement		Granite	

4.2.2 Basement Structure (Plan TAS-10-44)

The basement structure, based on data available from the 1982 ELP holes plus previous drilling, is shown as basement contours on Plan TAS-10-44. The drilling defined a basement of low relief, characterised by three westerly trending channels (the Eastern, Corduroy Creek and Harmon's Leads). The Eastern Lead was not drilled as the surface over the lead is swamp, but drilling to test the lead is scheduled for 1983-84. The Corduroy Creek Lead was intersected by holes ELP1,8 and 10. Harmon's Lead was intersected by holes ELP13 and 16, and there is a ridge like basement high north of the lead, as shown by ELP14 and 15, and possibly ELP19, which appeared to be close to basement when abandoned. Holes ELP22 to 29 were drilled to test a broad depression, the South Endurance Lead, which had been indicated by previous auger drilling. The ELP holes showed that the profile of the basement along the line of holes is very smooth at a R.L. of 37 to 39 metres up to ELP29, the most northerly hole, where

5.

the R.L. rises by 10 metres to R.L. 48.5m. This drilling showed the South Endurance Lead does not exist along the line of the ELP holes. It may exist further to the west, but this is by no means certain.

4.2.3 Mineralisation

No ore grade mineralisation was intersected.

The Corduroy Creek Lead was tested by holes on Line 1 (ELP1 to 5) Line 2 (ELP6 to 9) and Line 3 (ELP10 and 11 plus B203 and B204 (Utah Development 1964-66 holes)). The grade in all these holes was low.

Harmon's Lead was tested by holes on Line 3 (ELP12 to 15 plus Texin Development 1968-71 holes) Line 4 (ELP16 to 19) and Line 5 (ELP20 and 21). The rest of the holes on Line 5 (ELP22 to 29) show characteristics of mineralisation similar to those in Harmon's Lead as do the holes further west RRC16,19,20 and 21. Most of these holes are weakly mineralised. In each hole, usually three or four wispy stringers of mineralisation (40-100g SnO₂/m³ per 2m interval) occur. The higher valued sample intervals relate to the intersection of bands of coarser material, usually sub-rounded coarse quartz granules or occasionally "birds eye wash". These thin placers may occur from 3m below the surface to within 4m of basement. This observed spread of low grade placers of fine cassiterite throughout much of the Tertiary sequence is unusual in N.E. Tasmania. It corresponds with a decrease in both the frequency and thickness of clay bands. Basal mineralisation is generally conspicuously absent, although the best intersection, in ELP13 (42m to 44m, 634.7g SnO₂/m³), occurs in a basal wash. Generally, the lower, and indeed many other horizons of pebble wash in clay and silts are notably poor in tin content. The provenance of this cassiterite is uncertain as it cannot be related to basement structure.

5. RINGAROOMA BASIN (Plan TAS-10-44,44A B & C)5.1 Introduction

The Ringarooma Basin can be defined as the basin of Tertiary sediments bounded as follows:-

- North - granite cropping out in Mt. Cameron
- West - Granite or Basalt near the Old Port Road
- South - Granite, generally near the Gladstone Road, and north of the Ringarooma River
- East - Granite, generally west of the Ringarooma River.

Within this basin, three major alluvial cassiterite deposits have been worked, these being the Endurance Mine in the north, the Pioneer Mine in the south east and the Dorset Flats area in the east. The Endurance and Pioneer Mines were occurrences typical of the Ringarooma Tin Field, being basal alluvial deposits, in leads in Eocene river channels. The Dorset Flats deposit was different. Here, the Eocene sediments had been reworked by the action of the Ringarooma River in the Quaternary and these cassiterite-gold enriched Quaternary sediments were mined by dredging.

Most of the eastern margin of the basin had been either mined or tested by drilling. In addition to drilling directed specifically towards following known leads, the Mines Department has conducted research aimed at defining the structure of the basin. This work included seismic surveys and drilling of deep holes in the west of the Basin.

Because of the presence of the Pioneer and Endurance Leads, both with unmined reserves of tin mineralisation, the discovery of additional reserves within the Ringarooma Basin would be economically advantageous. Consequently, exploration within the Ringarooma Basin received high priority.

The objectives of the drilling were to determine the broad overall structure of the basin, to determine the nature and history of sedimentation within the basin and to test for tin mineralisation in either deep leads, or in dredgeable deposits in sumps in basement lows. It was appreciated that the broad scale drilling would not test exhaustively for mineralisation, but that assessment of the results would lead to identification of areas warranting detailed testing, specifically for mineralisation.

Twenty one holes were drilled on a 1km. square pattern, with holes located, where terrain permitted, at the intersections of major AMG grid lines. The holes were sited using a combination of air photo, 1:25 000 topo plan 5645 (Pioneer) and 1:31 680 topo plan 8415-1-N (Winnaleah). The surface R.L. of the holes was estimated from these two plans.

5.2 Basement Structure

Points of interest are:-

(a) At RRC16 (E77 N58), the basement RL is low (27m) suggesting that the possible extension south of the Endurance Lead passes near by.

(b) At RRC18 (E77 N57), the basement RL is high (78m). This contrasts with an RL, based on seismic evidence, of 18 to 21m at a near by site (E77 200 N57 300). It is possible that the southern extension of the Endurance Lead passes by the structural low at the latter site. The basement high at RRC18, near the middle of the basin, was unexpected.

(c) The RLs of basement in the north east and east is low, suggesting a sump in this area. Holes indicating low basement RLs are:-

<u>Hole No.</u>	<u>Location</u>		<u>Basement RL</u>
	<u>E</u>	<u>N</u>	
RRC8	78 000	55 800	30.0
RRC20	78 000	56 410	28.1
RRC19	77 750	57 120	35.0
RRC21	77 975	57 975	20.9
RRC16	76 000	57 000	27.0
ELP13	79 212	57 325	30.7
ELP16	78 800	57 320	30.2

(d) The basement appears to consist of a platform at a RL of approximately 45m over most of the centre and south of the basin with a low in the north, north-east and east, and another low in the west around the Mines Department hole 8 (E75 100 N56 000).

(e) Generalising, the logs show a basal section of active sediments overlain by clays, carbonaceous clays etc, indicative of lacustrine or quiet water deposition.

(f) RRC5 (E77 100 N53 900) and RRC3 (E76 N52) did not bottom, both holes being abandoned in basalt.

(g) RRC2 (E75 000 N51 200) intersected gravel of metamorphosed Mathinna Beds very similar to the gravels intersected in holes in Davids Creek. This hole stopped in dolerite, presumably a boulder close to basement. As at David's Creek, there was some weak tin mineralisation perched well above basement.

(h) ERC39 (E75 290 N59 370, see Section 6-2, Endurance) was not a satisfactory hole in that there is doubt regarding the location of basement in the hole. Basement may have been intersected at RL 31.4m or the hole may not have reached basement, in which case the basement RL is below 15.4m. If the basement RL in the hole is 31.4m, then the basement probably slopes towards the Endurance Lead. If the basement RL is below 15.4m, then there is probably an escape route from the basin through a deep ravine to the west of the Mt. Cameron granite massif.

(i) The wide spacing of the holes precludes positive definition of stream routes and the patterns shown on Plans TAS-10-44 A, B & C, are only three of the possibilities, and various combinations of the different components are also possible. The possibility that there may be an escape route from the basin does have economic interest, as such a route, or its extension, may be mineralised. The presence of the basement low in the Mines Department hole 8 suggests that there may be an escape route through the granite to the west into the Boobyalla Basin, as shown on Plans TAS-10-44 A & B. The hole ERC39 indicates there may be an escape route in a north westerly direction to the west of Mt. Cameron, as shown on Plan TAS-10-44 B & C.

The entry of the Proto-Ringarooma River from the south-west, as shown on TAS-10-44 A & C, is pure speculation, based on the indication of a lead by hole K222RC (See Section 7-2, Pioneer).

5.3 Mineralisation

Only one hole, RRC13, intersected mineralisation. This hole, located near Pioneer, together with the hole K190RC, indicated a possible extension of the Pioneer Lead. The results for these holes are incorporated in the Section 7-3 on Pioneer mineralisation.

The grades for the rest of the holes were low. As was mentioned in Section 4.2.3, (Eastern Leads mineralisation), the holes in the deep sump in the north-east sector of the basin are weakly mineralised in a manner different from the usual basal mineralisation in the Ringarooma Valley, in that the mineralisation occurs spread through the middle portion of the holes. Provenance for this cassiterite is uncertain as it cannot be related to basement structures. It is possible that the basal sediments in these holes represent late Cretaceous-early Tertiary sedimentation, as is suggested at the western

end of the Endurance Lead. See Section 6.2, (Endurance basement structure). The grade of this mineralisation as indicated by the holes intersecting it, ranges from 15 to 40g SnO₂/m³, which is too low to allow consideration of a dredging possibility.

6. ENDURANCE

6.1 Introduction

Prior to the drilling of the 1982 RC holes, the reserves of the Endurance Lead had been determined from percussion drill holes from the western limit of mining (the western end of Blue Lake) to a line of percussion drill holes, P125 to P130, located approximately 1300m west of Blue Lake. Further west, only auger holes had been drilled, and these gave an indication of the presence of the lead, but did not establish the grade. The 1982 RC drilling was designed to determine the reserves of the Endurance Lead west of the P125-130 line of percussion holes, and to define the basement structure between the Endurance, Clarence and Hasties Leads. In the western extension of the Endurance Lead, holes were drilled on lines 320m apart and oriented at 334 M. On the lines, holes were spaced at 40, 80 or 160m apart, and where mineralisation was encountered, the spacing was closed up to 40m.

In addition, two lines of holes were drilled to the north west of the Endurance to elucidate the basement structure, and test for mineralisation. On one line, six holes, ERC33 to 38, were drilled on a line bearing 20 M from ERC19. Holes ERC19 to 37 are 80m apart, and holes ERC37 to 38 are 40m apart. These holes test the alluvials between ERC19 and the granite cropping out to the north east in Mt. Cameron. On the second line, three holes, ERC39 to 41, were drilled approximately 700m to the north west of the first line. Blue Metal Industries (BMI) had drilled a line of holes from outcropping granite eastward across the Little Boobyalla River. This second line of holes extended from the easternmost of the BMI holes on a bearing of 45 M to the granite cropping out in Mt. Cameron, with holes 80m. apart.

6.2 Basement Structure (Plan TAS-10-44)

West of the fault (E77600), the Endurance Lead continues WSW as a narrow lead, approximately 80m. wide and about 8 to 14m. deep, to the third line of holes (ERC12-15) at approximately E76400. West of this line there is a marked change in the drill holes in that the basal sediments have a much higher clay content. It is possible that this thin basal horizon may be late Cretaceous - early Tertiary in age. The results obtained in ERC39 (E75290 N59370) were not definite, and the hole either intersected basement at RL31.4 or it did not intersect basement at all, indicating the basement RL is below 15.4m. In this hole, the basal sediments appeared to be composed of boulders of mainly Mathinna Beds sediments and dolerite in a clay matrix. This hole may well have intersected a boulder filled ravine indicating an escape route from the Ringarooma Basin through this hole towards the north and to the west of Mt. Cameron. The actual basement RL of ERC39 has a bearing on the basement structure of the western extension of the Endurance Lead. If the basement RL in ERC39 is 31.4m., then the basement probably slopes towards the south-east, and the Hasties and Clarence Leads combine, flow south-east to join the Endurance Lead at about E76250 and the combined leads flow into the Ringarooma Basin as indicated in TAS-10-44A. If the basement RL in ERC39 is below 15.4m., then the Endurance Lead joins with a lead from the Ringarooma Basin to the south-east, and the combined lead flows north-westerly through the ravine indicated by ERC39 and hence to the west of Mt. Cameron, as depicted in TAS-10-44 B & C.

The drill holes ERC35 to 38 show that there is a gutter to the north of the Endurance Lead, at the base of the Mt. Cameron granite massif. This gutter may flow either east as on TAS-10-44 A & B, or west as on TAS-10-44C. Grade of tin in the sediments is low.

6.3 Mineralisation

Only three holes had grades in excess of 90g SnO₂/m³.

<u>Hole No.</u>	<u>Coordinates</u>		<u>Depth to Basement</u>	<u>Grade (g SnO₂/m³)</u>
	E	N		
ERC8	76954	58993	47.5	214.0
ERC8 Repeat	76954	58996	48.0	493.0
ERC6	76978	58918	52.5	90.6
ERC9	76636	58901	58.5	90.3

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This indicates that the mineralisation in the Endurance Lead does not extend beyond the second line of drill holes, and, if the conventional cut-off of 100g SnO₂/m³ is accepted, the mineralisation cuts out between the first two lines, say 160 metres west of ERC8.

On the first line of holes, the range in grade for the 80m. section between ERC6 and ERC8, depending on whether the grade for ERC8 or ERC8 Repeat is used in the calculation is:-

	<u>g SnO₂/m³</u>
Grade for ERC6, 7 & 8	123
Grade for ERC6, 7 & 8 Repeat	210
<u>MEAN</u>	<u>167</u>

Evaluation drilling at close interval will be needed to determine the actual volume and grade, but the indications are that the mineralisation in the Endurance Lead may extend to about E76850, and the grade of this extension west (i.e. between E76850 and E77000) will be about 167g SnO₂/m³.

West of the second line of holes (ERC9-11), there is no clear pattern to the overall grade. The variable low grades are solely related to the intersection of poorly mineralised stringers in gravel sequences in the middle of alluvial sequences. Coarse cassiterite occurs in ERC21 and 23, but this cassiterite does not have Endurance Lead characteristics and provenance is probably near-by granite.

7. PIONEER (Plans TAS-10-44,44A B & C, 46,48)

7.1 Introduction

The Tertiary alluvial pile at Pioneer is both thick and extensive due to the "fanning" out of the Wyniford Lead from a confined gutter in its upper reaches to a broad "U" shaped basin with an undulating floor. Exploration drilling by Amdex Mining covered several square kilometres with holes spaced on a 100m. square grid, and the objective of the 1982 drilling was to test several areas peripheral to the grid network drilled by Amdex. These peripheral areas were in the south west (Povery Point Lead), the west (margin on the Football Ground deposit) and north west (extension of the main Wyniford Lead) and the proposed drilling extended the established drill pattern at 100m. or 200m. spacing to cover the peripheral areas. The programme was extended when Pioneer type cassiterite mineralisation (i.e. Wyniford Lead extension) was recognised in holes RR13 and K190RC.

7.2 Basement Structure

Plans TAS-10-44A B & C and TAS-10-46 show the basement structure as indicated by the drilling. In the south, the Poverty Point Lead was outlined, together with the basement high to the south west. A new channel appears to join the Pioneer Lead from the south-west through K222RC (E76100 N52500). The Pioneer Lead appears to continue towards the north west as a broad flat bottomed valley with an undulating surface.

7.3 Mineralisation

7.3.1 Poverly Point Lead (Plan TAS010-48)

Two holes, K173RC and K182RC intersected mineralisation in the Poverty Point Lead. Mineralised holes in the vicinity are:-

<u>Hole No.</u>	<u>Coordinates</u>		<u>Grade</u> (g SnO ₂ /m ³)
	<u>E</u> (m)	<u>N</u> (m)	
K96	77142	51272	103
K173RC	77100	51400	185
K160	76900	51600	80
K182RC	76900	51700	104

The grades for other holes in the vicinity are low, and this fact, plus the probable basement structure, suggests the potential volume of mineralised lead of economic grade is not large. Further drilling is required to establish the volume and grade.

7.3.2 Pioneer Lead

Previous drilling by Amdex Mining Ltd. had outlined two reserves of mineralisation. The Football Ground reserve was located to the south of the Pioneer reserve, which was being mined in the Pioneer pit. Amdex's evaluation drilling showed the Pioneer reserve extended to Line E77000 between N52450 and N52750, and that to the west of this line, the basement appeared to rise slightly and there was a marked drop in grade. The 1982 RC drilling located a new reserve, the Dam reserve, of mineralised alluvials approximately 300 metres west of the Pioneer reserve. A diversion dam and its surrounding swamps prevented the drilling of a regular 100m. square pattern of holes. Some sites were inaccessible to the RC rig, and these will be drilled with a churn drill mounted on a sledge.

The Dam reserve was intersected in 8 holes.

<u>Hole No.</u>	<u>Depth to Basement (m)</u>	<u>Grade (g SnO₂/m³)</u>
202	44	161.9
190	48.5	182.4
204	52	126.9
197	52.5	56.6
214	46.5	118.5
207	50.0	256.5
211	50.7	263.9
212	53.5	138.8

Hole K197RC has been included although the indicated grade in the hole is only 56.6g SnO₂/m³.

Estimated grade, including K197RC = 164g SnO₂/m³
 Estimated grade, excluding K197RC = 180g SnO₂/m³

Closer spaced drilling will be required before a reliable estimate of the volume and grade can be made.

The diversion dam has been drained and holes will be drilled in previously inaccessible sites on the dam floor and in surrounding swamps.

The mineralisation continues in the holes to the north west of the Dam reserve, but the overall grade is low, for three reasons. First, the topography rises, resulting in increased overburned; secondly, the grade of the basal wash is low, and thirdly, the basal wash lenses out. Nevertheless, the basal wash and mineralisation continues, and it is possible that ore grade material may exist down lead in favourable depositional locations. At Gillham Creek, 300m. northerly from K198, holes should reach basement at a depth of 50 to 60m., which may be within economic limits.

The grade of some of the basal and perched wash in holes north west of the Dam reserve is as follows:-

<u>Hole No.</u>	<u>From m.</u>	<u>To m.</u>	<u>Thickness m.</u>	<u>Grade g SnO₂/m³</u>
191	33	41	8	82 (perched)
	63	67	4	80
192	55	61	6	115
193	51	58	7	171
198	71	79	8	106
200	43	50	7	201
205	43	50	7	104
215	43	47	4	96
217	45	53	8	377
232	17	33	16	50 (perched)
	49	51	2	125

8. FUTURE PROGRAMME

Work planned for the 12 months to 7/3/84 includes

8.1 In-depth assessment of the results of the 1982 RC drilling, as the assessments made to date have been relatively superficial.

8.2 The determination of the prospectivity of the area west of the Boobyalla River by geological and geochemical surveys.

8.3. Evaluation including drilling where warranted, of the Monarch, White Rocks, Gellibrand Plains and Boobyalla Basin areas.

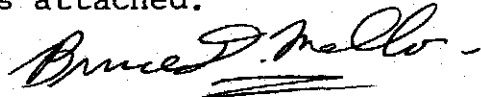
8.4 Drilling of the Dorset Dredge tailings to determine whether the tailings can be re-worked.

8.5 Exploration drilling at East Banca, Eastern Lead and at extensions to the Pioneer and Echo Leads to locate cassiterite mineralisation.

8.6 Evaluation drilling at Pioneer and Endurance to define the reserves of cassiterite at these deposits.

9. EXPENDITURE


A Statutory Declaration of the expenditure incurred for the 11 months is attached.



Bruce D. Mellor
Divisional Geologist,
TASMANIA

Compiled by B.D. Mellor
from reports and data
provided by B.D. Mellor,
R.A.A. Munro and
S. Douglas.

Approved by



for R.J. Kernick,
Exploration Manager

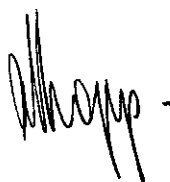
I, ANKA URSULA MARTHA HOPP of 17 BUSANA WAY NUNAWADING in the State of Victoria, Accounts Supervisor, DO SOLEMNLY AND SINCERELY DECLARE as follows:

That in the ten months ended 31 January 1983 we have expended \$326 360 on Exploration Licence 2/77, analysed as follows-

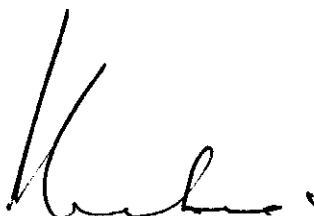
	\$
(a) Operational staff costs	77 656
(b) General operational expenses	7 820
(c) Transport and travel	11 266
(d) Assays	1 164
(e) Tenement costs	4 080
(f) Contractors	3 796
(g) Specialist services	14 796
(h) Drilling and treatment	180 588
(i) Capital expenditure	1 540
(j) Administration costs	23 654
	<hr/>
	326 360
	<hr/>

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

DECLARED AT MELBOURNE)
)
 in the State of Victoria)
)
 this 22nd day of)
)
 FEBRUARY 1983)



Before me:



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

TABLE 1

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: EASTERN LEADS

YEAR: 1982

DRILLING METHOD: 6" Percussion

Hole No.	Collar Coordinates mN mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (m ³)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Date Begun	Date Finished	Drill er
ELP1	56560 79993	72.7	34.5	42	38.2			726.7	6.9			10.7		24/5	1/6	T. King
ELP2	56475 79993	69.9	41.9	31	28			476.5	6.8			13.0		2/6	7/6	"
ELP3	56400 79995	61.5	46.3	19	15.3			249.4	5.9			23.0		8/6	10/6	"
ELP4	56640 79993	74.1	42.1	38	32			425.0	8.7			13.8		9/6	21/6	G. Selby
ELP5	56725 79993	74.3	42.6	35	31.7			351.2	1.9			3.7		10/6	24/6	T. King
ELP6	56980 79623	75.9	39.4	39	36.5			514.0	1.5			2.4		22/6	2/7	G. Selby
ELP7	56820 79613	74.4	34.1	44	40.3			561.8	4.0			5.2		24/6	7/7	T. King
ELP8	56680 79600	73.7	33.2	44	40.5			580.3	3.4			4.1		5/7	16/7	G. Selby
ELP9	56520 79600	71.5	44.0	33	27.5			349.3	1.1			2.4		7/7	16/7	T. King
ELP10	56840 79200	74.4	35.9	42	38.5			444	2.9			4.0		16/7	26/7	T. King
ELP11	56680 79200	73.6	41.1	37	33.5			391	1.0			1.7		16/7	23/7	G. Selby
ELP12	57160 79209	74.5	35.3	42	39.2			547	4.8			5.9		23/7	30/7	G. Selby
ELP13	57325 79212	73.6	30.7	46	42.9			441	32.3			46.2		26/7	4/8	T. King
ELP14	57643 79222	75.0	51.0	27	24.0			302.5	14.6			37.3		2/8	9/8	G. Selby
ELP15	57565 79215	74.8	51.5	27	23.3			234.2	3.5			11.5		4/8	10/8	T. King
ELP16	57320 78800	75.0	30.2	48	44.8			541.6	11.1			15.2		9/8	20/8	G. Selby
ELP17	57160 78800	75.4	35.6	44	39.8			436.0	8.1			12.4		10/8	23/8	T. King
ELP18	57480 78800	75.9	38.9	40	37.0			409.5	7.4			12.2		20/8		G. Selby
TOTALS																

*Grade calculated by relating recorded volume to recovered tin

+Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Author: R.A.A. Munro

Date:

20.9.82

604020

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA:

YEAR:

DRILLING METHOD:

Hole No.	Collar Coordinates m _N m _E	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement(L)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Date begun	Date finished	Driller
ELP19	57640 77800	74.5	-	21	Abandoned Hit boulder	-	3.58					10.5		24/8	30/8	T. King
ELP20	57320 78400	76.7	34.7	45	42		471.0	14.34				21.9		30/8	9/9	T. King
ELP21	57480 78400	75.0	33.8	42.1	41.2		540.8	20.50				31.1		31/8	10/9	G. Selby
ELP22	57800 78400	73.8	38.1	39	35.7		487.5	32.31				54.5		10/9	17/9	T. King
ELP23	57960 78400	73.7	37.5	39	36.2		481.7	18.70				31.0		13/9	20/9	G. Selby
ELP24	58120 78400	72.4	37.4	38	34.8		424.2	12.20				20.2		17/9	23/9	A. Groves
ELP25	58280 78400	70.3	38.9	35	31.4		440.7	8.80				16.4		21/9	3/10	G. Selby
ELP26	58200 78400	71.4	36.9	38	34.5		413.1	11.12				19.7		24/9	30/9	A. Groves
ELP27	58360 78400	73.6	37.8	37.5	35.8		486.9	6.54				10.4		1/10	11/10	A. Groves
ELP28	58440 78400	69.6	38.4	35	31.2		423.5	9.47				18.5		4/10	13/10	G. Selby
ELP29	58520 78400	74.5	48.5	29.0	26.0		375.0	13.32				23.5		11/10	21/10	A. Groves
TOTALS																

*Grade calculated by relating recorded volume to recovered tin

Author:

+Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604021

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PIONEER

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

Hole No.	Collar Coordinates m N 54 m E 5	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement ^{1/2}	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)		GEO- LOGIST	DATE
K111RC2	52000 77 300	98.2	48.2	52.0	50.0				89.36			280.6			SD	21/10
K170RC	51400 76 900	98.8	64.3	38.0	34.5				1.71			7.8			RM	21/10
K171RC	51500 76 900	99.0	61.6	41.0	37.4				6.55			34.6			RM	21/10
K172RC	51400 76 500	104.0	98.5	11.0	5.5				0.14			1.7			SD	22/10
K173RC	51400 77 100	100.8	62.8	45.0	38.0				47.11			184.6			RM	8/11
K174RC	51300 76 900	101.4	69.1	35.0	32.3				1.54			7.5			RM	8/11
K175RC	51200 76 700	114.3	98.8	19.0	15.5				0.17			1.7			RM	8/11
K176RC	51200 76 500	111.8	110.8	5.0	1.0				0.04			3.5			RM	8/11
K177RC	51300 76 700	107.7	93.0	17.0	14.7				0.10			1.1			RM	8/11
K178RC	51400 76 700	105.0	82.0	27.0	23.0				0.46			3.2			RM	8/11
K179RC	51495 76 700	100.8	86.0	19.0	14.8				0.21			2.2			RM	8/11
K180RC	51660 76 700	98.3	72.3	29.0	26.0				1.15			6.9			RM	8/11
K181RC	51800 76 700	102.7	70.2	37.0	32.5				1.40			6.5			SD	9/11
K182RC	51700 76 900	94.1	55.2	43.0	38.9				26.52			103.9			SD	9/11
K183RC	51800 76 900	99.5	58.6	45.0	40.9				10.66			38.5			SD	9/11
K184RC	51900 76 900	99.5	56.6	47.0	42.9				4.19			13.0			RM	11/11
K185RC	51800 76 500	108.7	NB	23.0	19.4				0.32			2.6			RM	11/11
L186RC	52000 76 500	109.1	57.1	55.0	52.0				0.79			2.1			RM/SD	11-12 11
TOTALS																

* Grade calculated by relating recorded volume to recovered tin

Author:

+ Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PIONEER

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P 2

Hole No.	Collar Coordinates mN54 mE 5	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (t)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)			GEO- LOGIST	DATE
K187RC	52200 76 500	98.6	52.6	49.0	46.0				7.9			25.0				SD	12/11
K188RC	52400 76 500	102.4	52.4	53.0	50.0				1.1			6.2				SD	12/11
K189RC	52600 76 500	94.9	47.9	50.0	47.0				3.2			9.8				SD	12/11
K190RC	52800 76 500	94.0	45.5	53.0	48.5				66.39			182.4				SD	12/11
K191RC	53100 76 100	109.8	43.1	69.0	66.7				9.8			22.3				SD	15/11
K192RC	53000 76 100	102.5	44.0	63.0	58.5				13.9			33.2				SD	15/11
K193RC	53000 76 000	101.6	47.6	59.0	54.0				14.2			38.3				SD	15/11
K194RC	53100 76 000	112.8	44.8	71.0	68.0				10.26			21.4				RM	16/11
K185R/RC	51800 76 500	108.7	89.2	29.0	19.5				0.62			4.9				RM	16/11
K195RC	51663 76 500	104.7	102.2	5	2.5				0.16			2.2				RM	16/11
K196RC	53000 76 700	99.3	48.1	54	51.2				6.32			18.1				SD	19/11
K197RC	52795 76 322	92.9	40.4	56	52.5				36.83			56.6				SD	19/11
K198RC	53200 76 700	117.5	39.0	81	78.5				11.81			22.0				SD	19/11
K199RC	53200 76 200	119.8	45.0	81	74.8				9.6			20.0				RM	22/11
K200RC	52350 76 100	96.5	48.5	51	48.0				13.2			42.7				RM	22/11
K201RC	52900 76500	97.7	43.9	57	53.8				27.3			47.1				RM	22/11
K202RC	52832 76622	89.6	45.6	51	44.0				45.9			161.9				SD	23/11
K203RC	52900 76400	98.0	42.5	59	54.5				11.86			34.0				SD	23/11
TOTALS																	

*Grade calculated by relating recorded volume to recovered tin

Author:

+Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604023

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PIONEER

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P3

Hole No.	Collar Coordinates mN mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement ^(*)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)					
K204RC	52800 76406	94.3	42.5	57	52.0				58.1			126.9					SD	23/11
K205RC	52900 76300	96.9	50.1	51	46.8				9.89			32.0					SD	24/11
K206RC	52900 76600	95.2	39.7	59	55.5				9.88			28.3					SD	24/11
K207RC	52674 76270	91.6	41.6	55	50.0				106.76			256.5					SD	30/11
K208RC	52600 76600	93.3	52.3	47	41.0				3.9			12.2					SD	30/11
K209RC	52700 76600	89.6	49.1	45	40.5				3.8			13.4					SD	30/11
K210RC	52673 76500	89.7	49.2	45	40.5				8.5			29.1					SD	1/12
K211RC	52700 76200	93.4	42.7	55	50.7				135.92			263.9					SD	1/12
K212RC	52600 76200	95.4	41.9	59	53.5				66.2			138.8					SD	1/12
K213RC	52600 76100	96.2	46.7	53	49.5				7.16			21.7					RM	1/12
K214RC	52829 76200	91.8	45.3	51	46.5				35.10			118.5					RM	6/12
K215RC	52800 76100	93.2	46.6	50	46.6				7.96			25.4					RM	6/12
K216RC	52800 76000	93.2	48.7	47	44.5				7.17			22.9					RM	6/12
K217RC	52800 75900	95.0	45.4	55	49.6				29.9			88.3					RM	6/12
K218RC	52700 76100	93.8	46.8	51	47.0				9.89			31.5					SD	7/12
K219RC	52600 76000	98.4	49.4	53	49.0				9.64			26.6					SD	7/12
K220RC	52700 76000	95.1	50.6	49	44.5				6.70			20.5					SD	7/12
K221RC	52600 75900	104.4	60.4	47	44.0				4.70			14.7					SD	7/12
TOTALS																		

*Grade calculated by relating recorded volume to recovered tin

Author:

+Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604024

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PIONEER

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P4

Hole No.	Collar Coordinates mN	Coordinates mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement(l)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Geol.	Date
K222RC	52500	76100	99.9	43.9	59.0	56.0				7.4			15.6		SD	9/12
K223RC	52500	76200	98.0	48.0	53.0	50.0				2.2			6.4		SD	9/12
K224RC	52500	76300	96.8	49.8	51.0	47.0				3.7			10.0		SD	9/12
K225RC	52500	76000	100.5	55.5	51.0	45.0				4.7			14.5		SD	10/12
K226RC	52700	75900	95.7	47.2	53.0	48.5				6.4			18.4		SD	10/12
K227RC	52700	75800	97.4	50.4	51.0	47.0				7.5			24.4		SD	10/12
K228RC	52775	75800	92.1	47.6	47.0	44.5				6.3			20.7		SD	11/12
K229RC	52900	75900	102.4	47.4	59.0	55.0				6.0			14.7		SD	10/12
K230RC	52900	75800	108.4	49.6	63.0	58.8				6.9			18.2		SD	11/12
K231RC	52816	75700	95.4	51.6	47.0	43.8				4.4			13.0		RM	11/12
K232RC	52900	76200	97.2	46.8	53.0	50.4				10.6			28.9		RM	13/12
TOTALS																

*Grade calculated by relating recorded volume to recovered tin

+Grade calculated by relating Rodford factored volume to recovered tin (Rod. Fac. = 80%)

Author:

Date:

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: ENDURANCE

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P 1

Hole No.	Collar Coordinates mN 54 mE 5	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec volume to basement (l)	Total rec SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)		Geo- logist	Survey No.	Date
ERC 3	58801 77005	82.7	38.2	47	44.5				4.1			12.5			R.M.	A 1	1/11
ERC 4	58840 76999	81.4	33.2	51	49.2				3.7			10.2			R.M.	A 2	1/11
ERC 5	58879 76988	80.6	28.4	56	52.2				17.7			45.8			R.M.	A 3	1/11
ERC 6	58918 76978	79.2	26.7	56	52.5				41.1			90.6			RM/SD	A 4	2/11
ERC 7	58957 76966	78.4	25.9	56	52.5				28.6			73.0			S.D.	A 5	2/11
ERC 8	58993 76954	77.2	Below 29.7	47.5	NB				85.1			214.0			S.D.	A 6	2/11
ERC 8R	58996 76954	77.2	30.2	48	47				191.9			493.0			R.M.	A 6	7/11
ERC 9	58901 76636	83.5	25.0	61	58.5				36.6			90.3			S.D.	C 6	2/11
ERC 10	58862 76660	85.1	23.3	65	61.8				11.3			24.1			SD/RM	C 5	3/11
ERC 11	58824 76671	85.3	29.1	59	56.2				6.6			18.5			R.M.	C 4	3/11
ERC 12	58883 76318	86.1	38.6	48.8	47.5				12.2			28.1			S.D.	E 8	4/11
ERC 13	58806 76342	87.0	28.5	61	58.5				18.4			49.3			S.D.	E 6	4/11
ERC 14	58729 76365	89.0	32.5	59	56.5				12.6			30.9			S.D.	E 4	4/11
ERC 15	58652 76388	86.0	33.0	57	53.0				16.3			43.7			R.M.	E 2	4/11
ERC 16	58750 76025	90.5	36.0	63	54.5				6.4			16.0			R.M.	G 7	5/11
ERC 17	58676 76047	92.1	23.3	73	68.8				12.7			22.4			R.M.	G 5	5/11
ERC 18	58600 76072	90.5	24.7	71	65.8				9.1			17.4			R.M.	G 3	5/11
ERC 19	58772 75681	84.8	33.8	55	51.0				5.2			13.6			R.M.	I 10	6/11
TOTALS																	

* Grade calculated by relating recorded volume to recovered tin

Author:

+ Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604026

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: ENDURANCE

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P 2

Hole No.	Collar Coordinates mN mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (l)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Geo- logist	Survey No.	Date
ERC/20	58618 75730	97.2	36.2	65	61				10.55			26.5		R.M.	I 6	6/11
ERC 21	58465 75778	93.9	38.1	59	55.8				24.10			66.8		R.M.	I 2	6/11
ERC 22	59032 76942	78.0	43.0	36	35.0				9.47			35.5		R.M.	A 7	6/11
ERC 23	58507 75762	94.8	38.8	59	56				7.66			21.4		R.M.	I 3	16/11
ERC 24	58390 75800	93.4	38.9	59	54.5				3.71			10.2		R.M.	I 2	16/11
ERC 25	58478 75951	89.9	37.4	57	52.5				4.6			13.8		S.D.	H 0	17/11
ERC 26	58521 76096	88.4	33.9	59	54.5				7.0			20.0		S.D.	G 0	17/11
ERC 27	58768 76353	88.0	23.2	69	64.8				19.7			47.6		S.D.	E 5	17/11
ERC 28	58839 76330	86.5	31.5	57	55				14.2			34.9		S.D.	E 7	17/11
ERC 29	58939 76636	81.0	32.5	49.5	48.5				31.2			68.4		S.D.	C 7	18/11
ERC 30	58568 76248	83.8	23.8	63	60				9.09			23.4		R.M.	F 0	18/11
ERC 31	58545 76170	86.0	24.5	65	61.5				4.08			10.0		R.M.	EE 0	18/11
ERC 32	58592 76324	86.9	28.8	63	58.1				10.0			26.3		R.M.	EE 0	18/11
ERC1	58786 76630	85.9	31.9	57	54							35				
ERC2	58729 76642	86.3	32.3	54	54							18				
ERC33	58832 75731	85.1	33.1	57	52				7.7			22.1		S.D.		3/12
ERC34	58901 75778	83.8	44.3	41	39.5				1.5			5.7		S.D.		3/12
ERC35	58964 75824	81.2	56.9	25.5	24.3				1.0			6.6		R.M.		4/12
TOTALS																

* Grade calculated by relating recorded volume to recovered tin

Author:

+ Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604027

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: ENDURANCE

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P3

Hole No.	Collar Coordinates mN mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (l)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)		Geol.	Date
ERC36	59025 75870	83.7	38.7	47.3	45				5.1			17.4			R.M.	4/12
ERC37	59095 75915	89.2	33.2	61.3	56				10.5			29.4			R.M.	4/12
ERC38	59126 75934	83.2	41.2	44.5	42				8.9			33.2			R.M.	4/12
ERC39	59370 75290	75.4	Below 15.47	60	44.2				4.0			9.8			S.D.	15/12
ERC40	59411 75363	74.0	31.4?	41	39.5				5.8			22.7			S.D.	15/12
ERC41	59445 75432	71.4	34.5	29	15.7				0.8			7.9			S.D.	15/12
TOTALS																

* Grade calculated by relating recorded volume to recovered tin
 † Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Author: _____
 Date: _____

604028

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: RINGAROOMA BASIN

YEAR: 1982

DRILLING METHOD: REVERSE CIRCULATION

P1

Hole No.	Collar Coordinates 54 mN mE 5	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (l)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)		GEO- LIST	DATE
RRC1	51000 76000	147	144	29.0	3.0				0.06			2.9			SD	22/10
RRC2	51200 75000	148	55?	95.0	93.0				6.5			9.8			SD	22/10
RRC3	52000 76000	129	BELOW 106	23.0	N.B.				0.1			0.8			SD	23/10
RRC4	53000 75000	114	62	55.0	52.0				2.5			7.12			SD	23/10
RRC5	53900 77100	109	BELOW 68	41.0	N.B.				0.6			2.3			SD	23,24 /10
RRC5R	53900 77100	109	BELOW 67	42.0	N.B.										SD	13/11
RRC6	55000 77000	129	37.2	94.5	91.8				5.71			7.2			SD/RM	24,25 /10
RRC7	54950 78000	82	45.5	42.0	36.5				1.46			6.0			RM	25/10
RRC8	55800 78000	83	30.0	57.0	53.0				1.57			4.6			RM	25/10
RRC9	55100 75000	146	50.0	99.0	96.0				2.31			3.7			RM	27/10
RRC10	55100 75900	121	47.6	72.0	73.4				6.06			9.6			RM	27,28 /10
RRC11	56000 77000	104	45.0	63.0	59.0				4.8			12.0			SD	28/10
RRC12	54000 76000	110	46.5	65.0	63.5				7.9			15.1			SD	28/10
RRC13	53056 76040	109.9	BELOW 44.9	65.0	N.B.				19.7			42.6			SD	29/10
RRC13R	53056.2 76039.7	109.9	43.4	71.0	66.5				15.49			32.89			SD	13/11
RRC14	56000 76000	128	42	88.0	86.0				5.7			8.6			SD	29/10
RRC15	57080 76060	120	78	47.0	44.0				1.6			5.9			SD	30/10
RRC16	57000 76000	81	27.0	56.0	54.0				6.4			18.2			SD	30/10
TOTALS																

* Grade calculated by relating recorded volume to recovered tin

Author:

+ Grade calculated by relating Radford factored volume to recovered tin (Rad. Fac. = 80%)

Date:

604029

AUSTRALIAN ANGLO AMERICAN - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: RINGAROOMA BASIN

YEAR: 1982

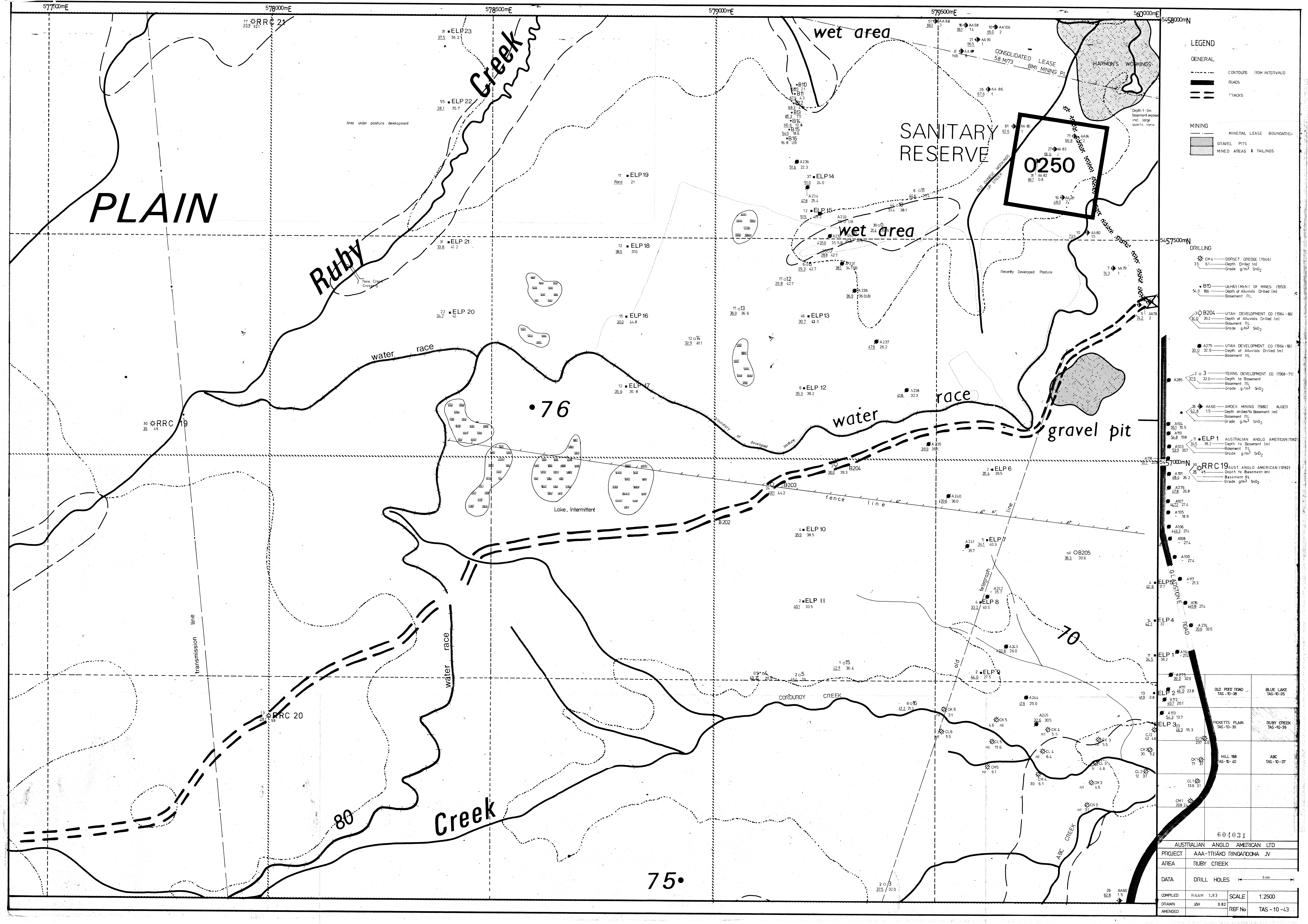
DRILLING METHOD: REVERSE CIRCULATION

P2

Well No.	Collar Coordinates mN mE	Surface R.L.	Basement R.L.	Depth Drilled (m)	Depth to Basement (m)	Area of influence (m ²)	Volume (m ³)	Total rec. volume to basement (l)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)			GEO LIST	DATE
RRC17	57000 75000	119	116.0	13.0	3.0				0.13			2.3				RM	1/11
RRC18	57000 77000	87	78.0	15.0	9.0				0.79			12.7				RM	7/11
RRC19	57120 77750	80	35.0	49.0	45.0				8.32			28.9				RM	7/11
RRC20	56410 78000	85	28.1	59	56.9				5.5			13.4				RM	13/12
RRC21	57975 77975	73	20.9	55	52.1				5.66			17.06				RM	13/12
TOTALS																	

* Grade calculated by relating recorded volume to recovered tin. Author: _____
 + Grade calculated by relating Radford factored volume to recovered tin (Rad. fac. = 80%) Date: _____

604030



PLAIN

Ruby Creek

Creek

wet area

SANITARY RESERVE

0250

wet area

water race

76

water race

gravel pit

fence line

70

Creek

80

75

LEGEND

GENERAL

- CONTOURS (10M INTERVALS)
- ROADS
- == TRACKS

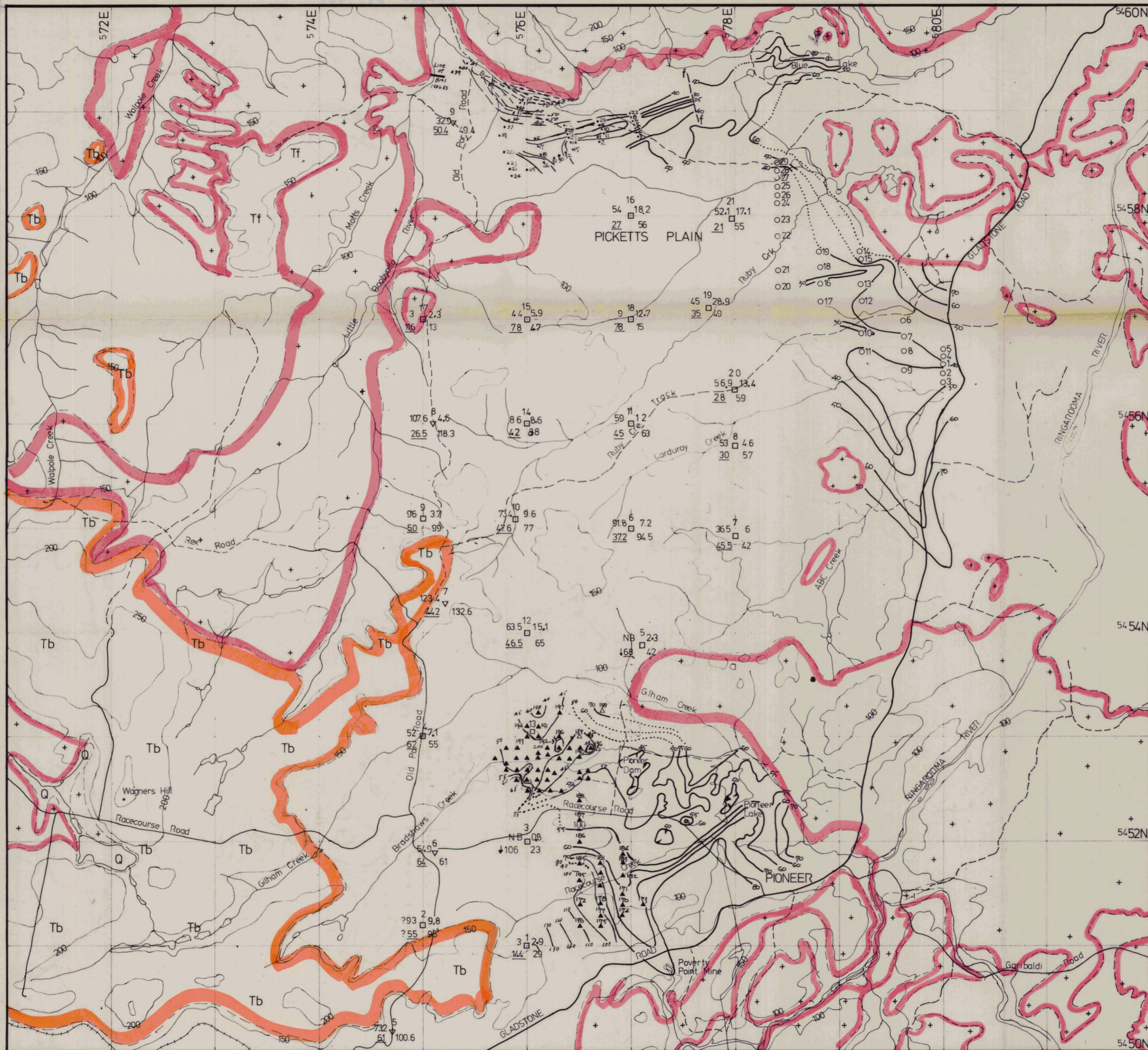
MINING

- MINERAL LEASE BOUNDARIES
- GRAVEL PITS
- MINED AREAS & TAILINGS

DRILLING

- CM4 --- CORSET OREDEE (1946)
- 35 6.1 --- Depth Drilled (m)
- Grade g/m³ SnO₂
- B15 --- URMHILMEN I OF MINES (1953)
- 54.9 186 --- Depth of Alluvials Drilled (m)
- Basement RL
- 3 B204 --- UTAH DEVELOPMENT CO (1964-66)
- 35.0 39.2 --- Depth of Alluvials Drilled (m)
- Basement RL
- Grade g/m³ SnO₂
- A275 --- UTAH DEVELOPMENT CO (1964-66)
- 30.0 32.9 --- Depth of Alluvials Drilled (m)
- Basement RL
- 2 0 3 --- TEXINS DEVELOPMENT CO (1968-71)
- A285 37.5 32.0 --- Depth to Basement
- Basement RL
- Grade g/m³ SnO₂
- 26 AA60 --- AMDEX MINING (1980) AUGER
- 62.9 15 --- Depth drilled to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A101 --- AUSTRALIAN ANGLO AMERICAN (1982)
- 35.5 38.2 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A103 53.9 20.7 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A104 52.3 19.5 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A105 56.8 19.8 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A106 42.2 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A107 42.2 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A108 18.9 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A109 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A110 42.6 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A111 35.7 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A112 42.6 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A113 51.3 13.7 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A114 56.2 15.3 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A115 42.7 14.8 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A116 45.8 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A117 21.3 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A118 42.6 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A119 41.6 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A120 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A121 35.7 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A122 42.6 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A123 51.3 13.7 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A124 56.2 15.3 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A125 42.7 14.8 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A126 45.8 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A127 21.3 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A128 42.6 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A129 41.6 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂
- A130 27.4 --- Depth to Basement (m)
- Basement RL
- Grade g/m³ SnO₂

604031		
AUSTRALIAN ANGLo AMERICAN LTD		
PROJECT	AAA-TRIAGO RINGAROOMA JV	
AREA	RUBY CREEK	
DATA	DRILL HOLES	
COMPILED	RAAM 1.8.3	SCALE 1:2500
DRAWN	JWH 8.82	REF No TAS-10-43
AMENDED		



LEGEND

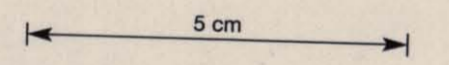
- Tb Tertiary Basalt
- Tf Ferricrete
- Ts Tertiary Sediments, with in places, cover of Quaternary Sediments
- Blue Tier Batholith

Basement Contours
R.L. in metres ASL.

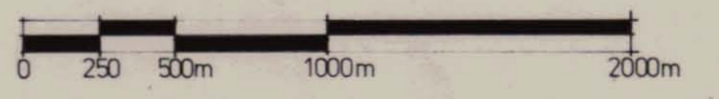
- ELP Holes (Eastern Lead Percussion Holes)
- ERC Holes (Endurance Lead RC Holes)
- KRC Holes (Pioneer RC Holes)
- K Series Holes (Pioneer Percussion Holes)
- RRC Holes (Ringarooma Basin Regional RC Holes)
- Mines Department Holes

depth to basement (m)
 hole number
 grade (gSnO₂/m³)
 depth of hole (m)
 r.l. basement (a.s.l.)

604032



- roads
- tracks
- rivers, streams
- contours (50m intervals)



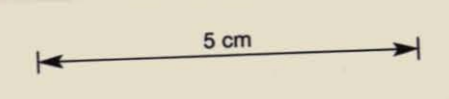
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	AAA TRIAKO RINGAROOMA J.V.		
AREA	RINGAROOMA BASIN		
DATA	DRILL HOLES RINGAROOMA BASIN		
COMPILED		SCALE	1:25000
DRAWN	JWH 11.82	REF No	TAS · 10 · 44
AMENDED			



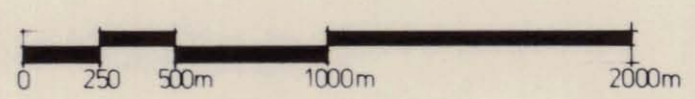
LEGEND

- Tb Tertiary Basalt
- Tf Ferricrete
- Ts Tertiary Sediments, with in places, cover of Quaternary Sediments
- +++ Blue Tier Batholith
- Basement Contours
RL. in metres ASL.
- o29 ELP Holes (Eastern Lead Percussion Holes)
- .19 ERC Holes (Endurance Lead RC Holes)
- 190 KRC Holes (Pioneer RC Holes)
- 87 K Series Holes (Pioneer Percussion Holes)
- 10 RRC Holes (Ringarooma Basin Regional RC Holes)
- 7 Mines Department Holes
- depth to basement (m)
- ↓ 10 ← hole number
- 734 □ 96 ← grade (gSnO₂/m³)
- 476 77 ← depth of hole (m)
- ↑ r.i. basement (a.s.l.)

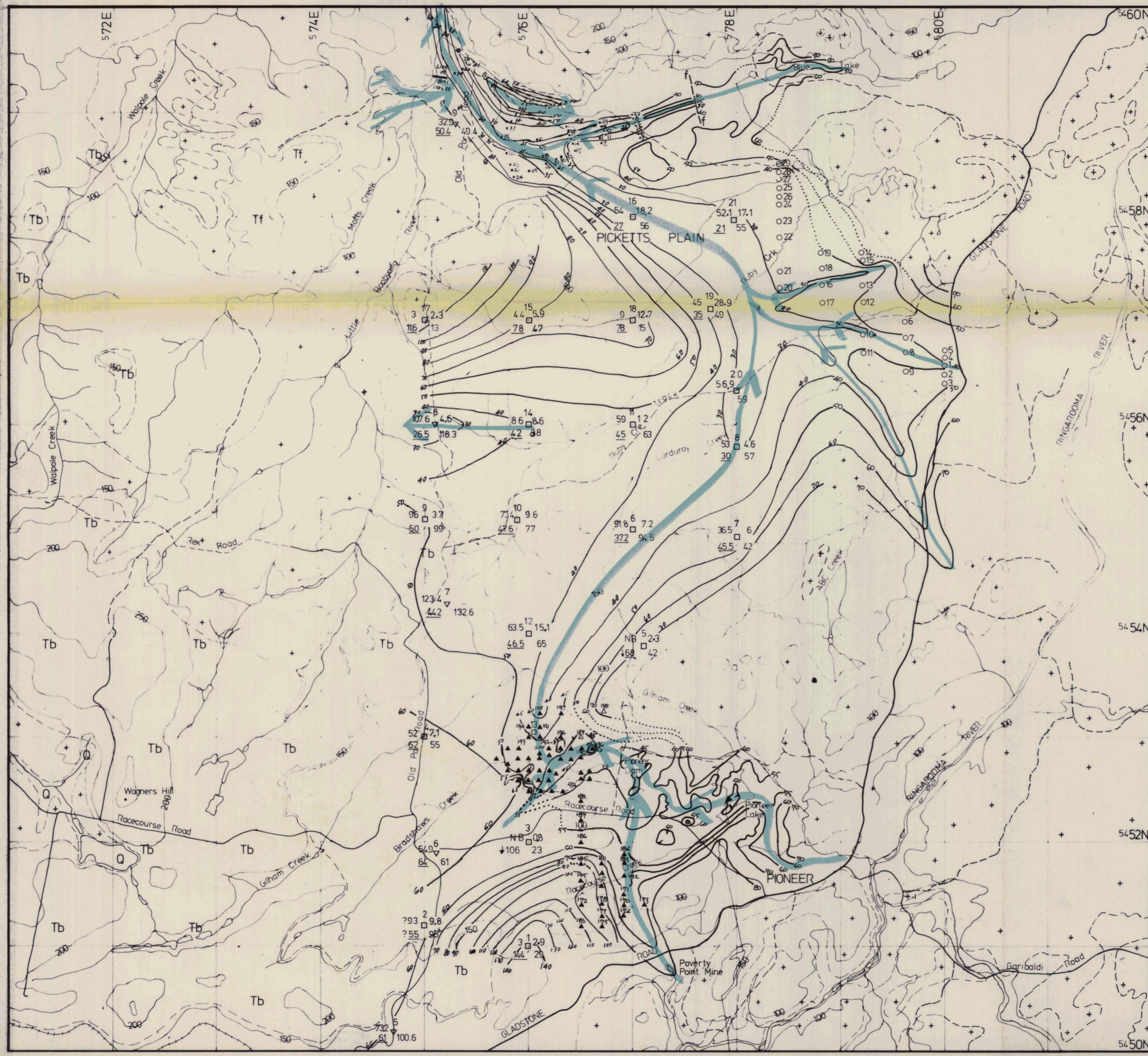
604033



- roads
- - - tracks
- ~ rivers, streams
- 100— contours (50m intervals)

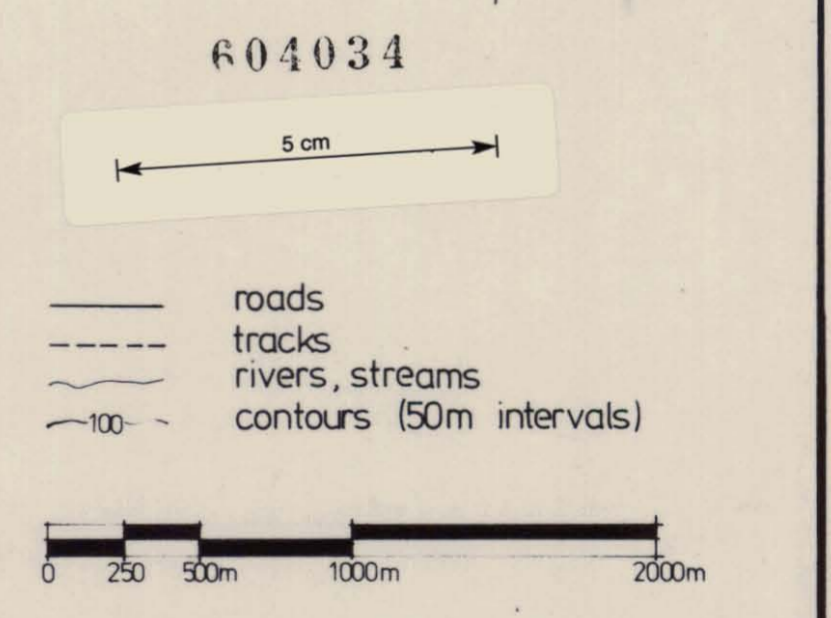


AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	AAA TRIAKO RINGAROOMA J.V.		
AREA	RINGAROOMA BASIN		
DATA	DRILL HOLES RINGAROOMA BASIN		
COMPILED	B.J.M 2/83	SCALE	1:25000
DRAWN	W.H 11 82	REF No	TAS 10 44 A
AMENDED			

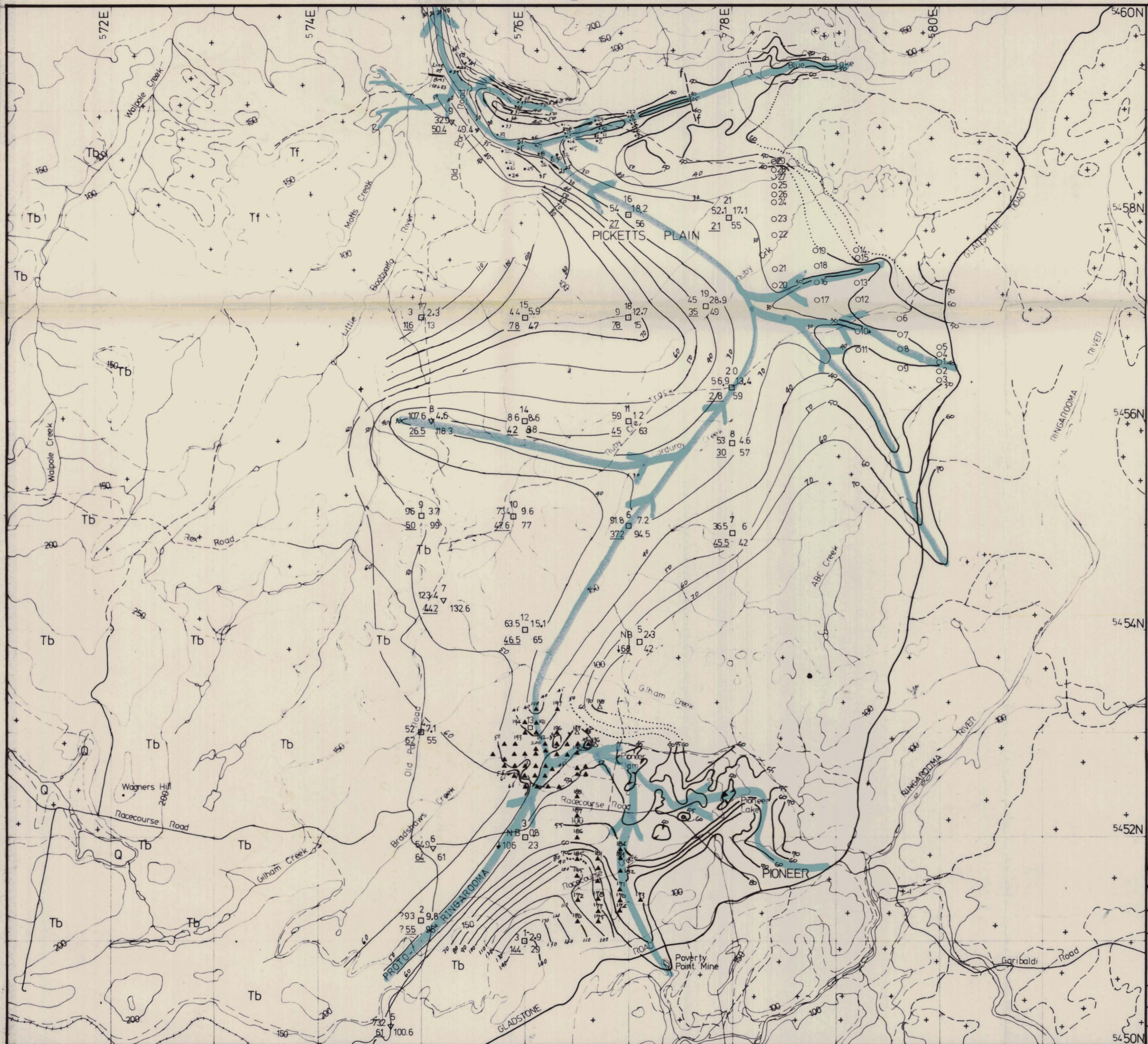


- ### LEGEND
- Tb Tertiary Basalt
 - Tf Ferricrete
 - Ts Tertiary Sediments, with in places, cover of Quaternary Sediments
 - + + + Blue Tier Batholith
 - Basement Contours
RL. in metres ASL.

- o20 ELP Holes (Eastern Lead Percussion Holes)
 - .19 ERC Holes (Endurance Lead RC Holes)
 - 180 KRC Holes (Pioneer RC Holes)
 - 27 K Series Holes (Pioneer Percussion Holes)
 - 10 RRC Holes (Ringarooma Basin Regional RC Holes)
 - 7 Mines Department Holes
- depth to basement (m)
 ↓ 10 ← hole number
 734 □ 9.6 ← grade (gSnO₂/m³)
 47.6 77 ← depth of hole (m)
 ↑ r.t. basement (a.s.l.)

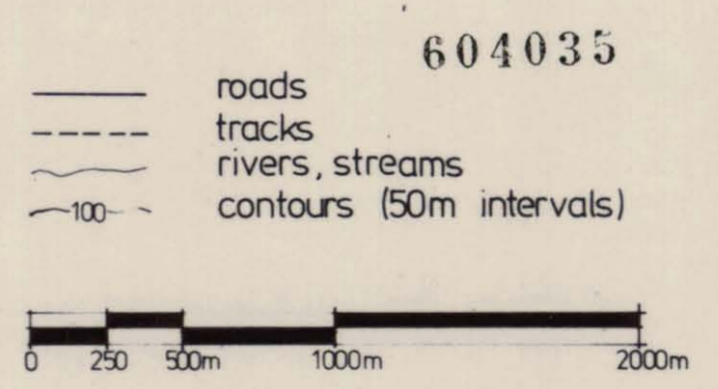
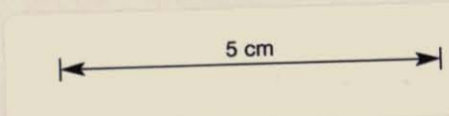


AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	AAA TRIAKO RINGAROOMA J.V.		
AREA	RINGAROOMA BASIN		
DATA	DRILL HOLES RINGAROOMA BASIN		
COMPILED	B.D.M 2/83	SCALE	1:25000
DRAWN	J.H 11.82	REF No	TAS · 10 · 44 B
AMENDED			



LEGEND

- Tb Tertiary Basalt
- Tf Ferricrete
- Ts Tertiary Sediments, with in places, cover of Quaternary Sediments
- +++ Blue Tier Batholith
- Basement Contours
RL. in metres ASL.
- o29 ELP Holes (Eastern Lead Percussion Holes)
- .9 ERC Holes (Endurance Lead RC Holes)
- 180 KRC Holes (Pioneer RC Holes)
- 27 K Series Holes (Pioneer Percussion Holes)
- 10 RRC Holes (Ringarooma Basin Regional RC Holes)
- 7 Mines Department Holes
- depth to basement (m)
- ↓ 10 hole number
- 734 grade (gSnO₂/m³)
- 47.6 depth of hole (m)
- ↑ r.l. basement (a.s.l.)



AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	AAA TRIAKO RINGAROOMA J.V.		
AREA	RINGAROOMA BASIN		
DATA	DRILL HOLES RINGAROOMA BASIN		
COMPILED	B.D.M 2/83	SCALE	1:25000
DRAWN	W.H 11 82	REF No	TAS · 10 · 44 C
AMENDED			

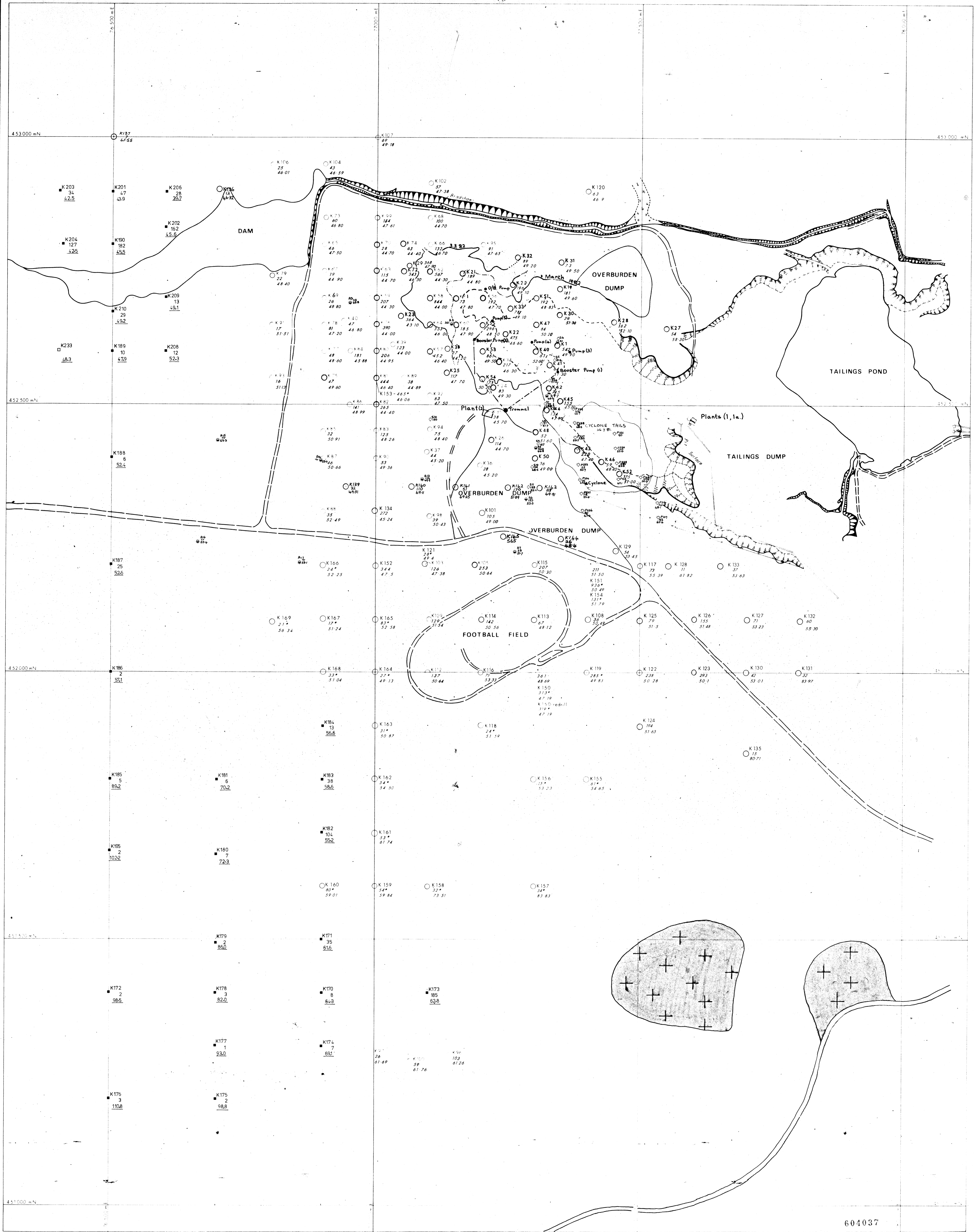


- Percussion drill hole
- Reverse circulation (RC) drill hole
- depth to basement (m)
hole number-prefix "K"
grade (g Sn O₂/m³)
depth of hole (m)
RL basement (m.a.s.l.)
- Pioneer pit limit April 1982
- - - - - Prestripping limit
- x-x-x- Mined to basement
- ▭ Reserve outline
- Baseline contours, RL in metres ASL.



604036

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	AAA TRIAKO RINGAROOMA J.V.		
AREA	PIONEER		
DATA	DRILL HOLES		
COMPILED		SCALE	1: 2500
DRAWN	L.P.M. 12-82	REF No	TAS-10-46
AMENDED			



604037

Amdex Mining Limited
N.E. TASMANIA
PIONEER TIN MINE
PIONEER DRILLING,

LEGEND

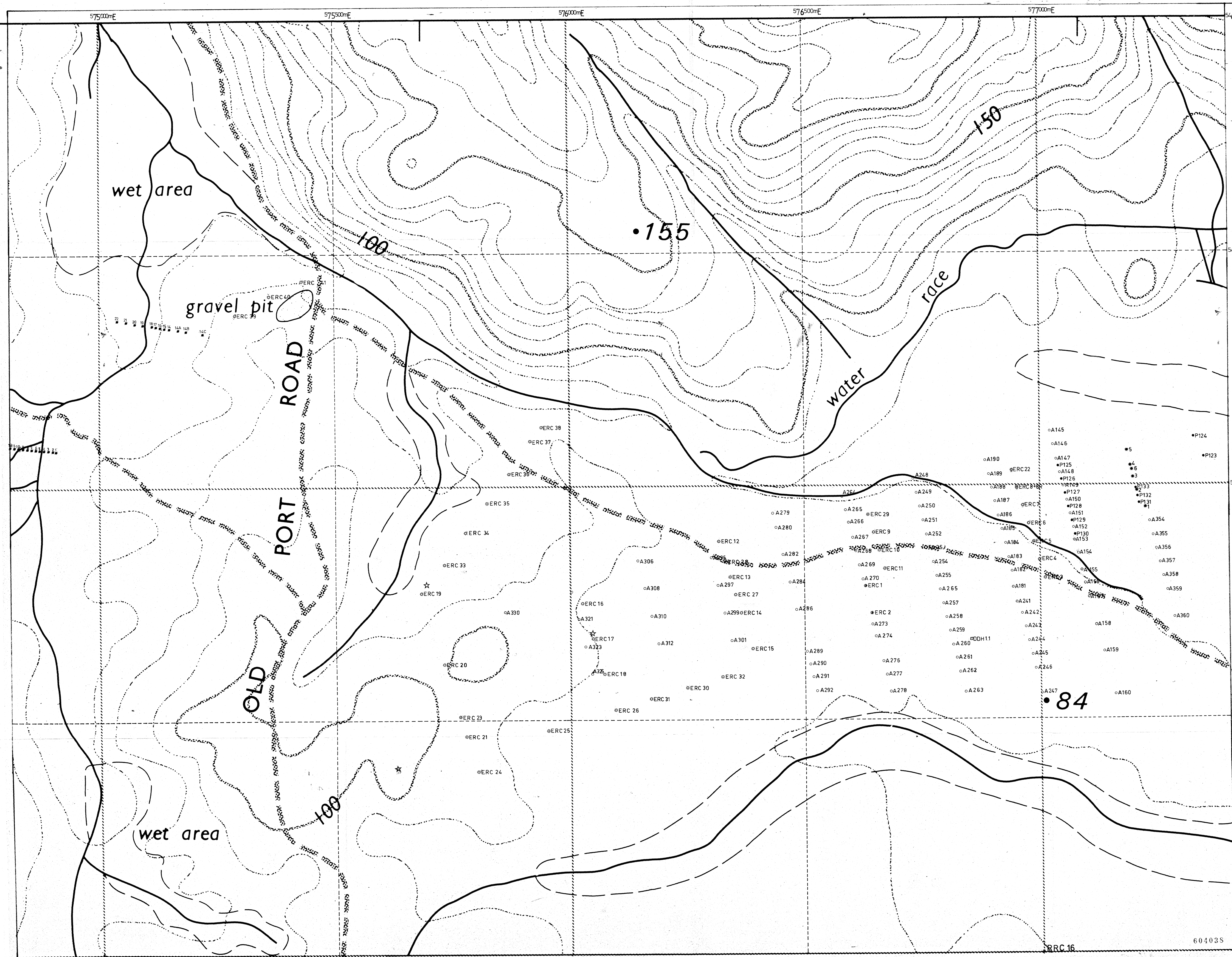
- Road
- Track
- Power line
- Swamp
- Outline of Pit - Surface
- Base
- Overburden / Mine Boundary
- Pipe line

- RD Drilling - A.A.A. 1982
- Percussion drilling - A.A.A. 1983
- Drilling - Pioneer Tin Mining Co.
- Drilling - Austral Malay
- Drilling - Storeys Creek Tin Mining Co.
- K100 Kibuka percussion drill hole overall grade g SnO₂ / m³ Basement R.L.
- * Grade calculated by relating Radford factored volume to recovered tin (Rad fact = 80%)

SCALE 1 : 2500

0 50 100 150 200 250 m

5cm



- 1 Dept of Mines-Percussion 909
- A145 BMI Mining - Auger 1971-72
- P124 BMI Mining-Percussion 1971-72
- 14C BMI Mining-Percussion 1973-74
- ERC1 Amdex Mining-Reverse Circulation 1982
- DDH11 Dept of Mines - Diamond 1982
- ERC3 Aust Anglo American-Reverse Circulation 1982

OLD PORT ROAD TAS-10-38	BLUE LAKE TAS-10-35
PICKETS PLAN TAS-10-39	RUBY CREEK TAS-10-36
HILL 168 TAS-10-40	ABC TAS-10-37

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

ERC 16

60403S

MICROFILMED

992

604039

U of M	A.O.	C.G.	E.O.	D.S.M.E
Received				28 FEB 1983
Answered				E & IL
DEPT. OF MINES				
REF. No. 549/83				

PROJECT NAME: AUSTRALIAN ANGLO AMERICAN - TRIAKO

RINGAROOMA JOINT VENTURE

TITLE: E.L. 2/77

Annual Report

to

the Department of Mines, Tasmania,
for 11 months from 8/3/82 to 7/2/83

Volume 2

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

South Mt. Cameron
SK55-4 Launceston
E570 000 N54 50 000

COMMODITY/IES: Tin

TEXT PAGES NO: 14

PLAN NOS:

Location plan
TAS-10-43, 44, 46, 48, 49

TABLE NOS:

1

APPENDICES:

1

Volume 1

transparencies held in vertiplan
(Duplicate)

Volume 2

AUTHOR/S: Bruce D. Mellor

DATE:

February, 1983.

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA.. Endurance..Leads COLLAR CO-ORDINATES...577005.....mE...5458801.....mN DRILLING METHOD...Reverse..... HOLE No...ERC...3.....
 SURFACE R.L...82.7.....m BASEMENT R.L...38.2.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE...1.....of...2.....
 DRILLER R..Miller..... SAMPLE WASHER..S..Moore.. ASSAY METHOD..XRF..... GEOLOGIST...R..Munro..... DATE...4/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
0	3	12	92.5	0.67	0.89	73.8	46.4	0-2 Coarse drift and sand with brown to brown-yellow clay.
3	5	11	144.7	0.04	0.08	7.5	6.5	
5	7	13	96.8	0.07	0.10	7.5	7.6	2-2.5 Tenaceous mottled brown-orange gritty clay.
7	9	13	90.9	0.10	0.13	10.0	10.2	
9	11	13	115.2	0.09	0.15	11.4	11.6	2.5-3.5 Yellow-brown silts, drift, white silty clay.
11	13	14.5	89.0	0.06	0.08	5.3	6.0	
13	15	16	98.8	0.10	0.14	8.8	8.8	3.5-6 Drift and brown silt, large amount of coarse sand.
15	17	13.5	98.0	0.07	0.10	7.3	7.7	
17	19	10	93.6	0.07	0.09	9.4	7.4	6-12 Drift, coarse sand, yellow-brown silt grading to medium brown silt below 6.5 m.
19	21	12.5	100.6	0.07	0.10	8.1	7.9	Occassional large drift.
21	23	13	90.9	0.10	0.13	10.0	10.2	
23	25	14	115.7	0.25	0.41	29.5	32.4	12-12.2 Sandy silt.
25	27	14	98.8	0.06	0.08	6.1	6.7	12.2-15 Drift, coarse sand, brown silt, large drift.
27	29	14.5	118.7	0.01	0.02	1.2	1.3	
29	31	15.5	118.0	0.02	0.03	2.2	2.7	15-18.5 Soft light grey, slightly sandy clay, becoming more tenaceous, wood from 16.5.
31	33	20	121.6	0.02	0.03	1.7	1.7	
33	35	11.5	99.5	0.02	0.03	2.5	2.2	18.5-20 As above but gritty.
35	37	12	111.9	0.03	0.05	4.0	3.8	20-25.5 Drift, white silt, minor sandy white clay. Silty and drifts in layers. Clay at 22.5 (grey white).
37	39	15	102.4	0.14	0.20	13.7	16.1	
39	41	23	112.3	0.09	0.14	6.3	6.3	
41	43	21.5	93.7	0.68	0.91	42.3	42.3	25.5-29.1 Light grey tenaceous gritty clay to pure clay.
43	45	9	93.7	0.05	0.07	7.4	5.2	
45	46	6	104.9	0.02	0.03	5.0	4.7	29.1-29.4 Silty coarse sand and drift.
46	47	3.5	174.7	0.01	0.02	7.1	3.9	29.4-30.6 Tenaceous light grey clay.
								30.6-31.3 Drift, sand, white silt.
								31.3-37.5 Gritty, tenaceous dark brown clay, wood, becoming lighter grey in colour from 34m thin layers of drift from 36 m.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...44.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g Sn02/m³

Total recovered tin...4.05.....g Sn02

Grade 2 at...44.5.....m...12.51.....g Sn02/m³

604040

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 577005 mE 5458801 mN DRILLING METHOD Reverse HOLE No. ERC-3
 SURFACE R.L. 82.7 m BASEMENT R.L. 38.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								37.5-43.0 Drift and coarse sand, coarse drift, minor white silt, rare small wash.
								Layer of brown gritty clay at 42.3 m.
								43.0-44.5 Clayey drift (light brown), wash.
								44.5-47.0 Granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Small amount tin, ilmenite.
								3-7 Fine trace tin, ilmenite, monazite.
								7-15 Ilmenite, monazite.
								15-21 Ilmenite, pyrite.
								21-23 Ilmenite.
								23-25 Fine trace tin, ilmenite.
								25-29 Ilmenite.
								29-31 Ilmenite, monazite.
								31-35 Ilmenite, pyrite.
								35-41 Ilmenite.
								41-43 Fine trace tin, ilmenite.
								43-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 44.5 m

Total recovered volume, surface to basement litres

Total recovered tin 4.05 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at m g SnO2/m³

Grade 2 at 44.5 m 12.51 g SnO2/m³

604041

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576999 mE 5458840 mN DRILLING METHOD Reverse HOLE No. ERC 4
 SURFACE R.L. 81.4 m BASEMENT R.L. 33.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	121.7	0.02	0.03	3.9	1.8	0-2.5 White to medium yellow silty sandy, topsoil, drift.
3	5	7	82.4	0.05	0.06	8.4	4.7	
5	7	12	128.5	0.07	0.13	10.7	10.1	2.5-3 Drift.
7	9	12	91.2	0.08	0.10	8.7	8.2	3-4.5 Coarse sand and drift, abundant yellow silt.
9	11	9.5	126.9	0.03	0.05	0.6	4.3	
11	13	11	129.7	0.02	0.04	3.4	2.9	4.5-10 Coarse sand and drift, brown silt.
13	15	6	96.1	0.04	0.05	9.2	4.3	10-12.2 Fine sand, light grey silt.
15	17	8	130.6	0.06	0.11	14.0	8.8	12.2-14 Sand, light grey silt, drift, coarse drift.
17	19	10	114.9	0.01	0.02	1.6	1.3	
19	21	10	148.4	0.05	0.11	10.6	8.3	14-16 Grey clayey, silt changing to light grey to dark brown clay with wood.
21	23	11	109.9	0.20	0.31	28.6	24.7	
23	25	11.5	120.0	0.07	0.12	10.4	9.4	16-20.8 White silt, sand, drift.
25	27	8	133.2	0.03	0.06	7.14	4.5	20.8-22 Light grey clay.
27	29	15	80.2	0.03	0.06	7.14	4.5	22-26 White-grey silts, sand drift.
29	31	16	100.7	0.01	0.01	0.90	0.90	26-28 Grey gritty soft clay, drift layers.
31	33	11	130.8	0.03	0.06	5.1	4.4	28-28.5 Grey Very silty sands.
33	35	11	153.2	B.L.D.	-	-	-	28.5-32.5 Tenaceous dark brown pure clay, some grit layers.
35	37	10	139.5	0.09	0.14	14.1	11.1	
37	39	12	104.9	0.08	0.12	10.0	9.4	32.5-33 Drift, grey silt.
39	41	16.5*	121.7	0.04	0.07	4.2	4.2	33-36 Grey clay and brown clay, some wood including log particles.
41	43	9.5	116.6	0.04	0.07	7.0	5.2	
43	45	10	118.4	0.28	0.47	47.4	37.1	36-37 Drift, sand, light grey to brown silt.
45	47	19*	531.8	0.13	0.99	52.0	52.0	37-42 Drift sand, light grey to white silt.
47	49	9*	143.0	0.10	0.20	22.7	16.0	42-42.8 Gritty and pure woody brown clay.
49	50	3*	131.7	0.02	0.04	12.5	5.9	42.8-47 Drift, sand, small wash, white silt, minor birdseye.
50	51	4*	127.2	0.02	0.04	9.1	5.7	
								47-49.2 Grey-brown silty clay and drift.
								49.2-51 Decomposed granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 48.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement - litres

Grade 1 at - m g SnO2/m³

Total recovered tin 3.67 g SnO2

Grade 2 at 48.2 m 10.15 g SnO2/m³

604042

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576999 mE 5458840 mN DRILLING METHOD Reverse HOLE No. ERC. 4
 SURFACE R.L. 81.4 m BASEMENT R.L. 33.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								<u>0-23 Ilmenite, monazite.</u>
								<u>23-25 Very fine trace tin, ilmenite, monazite.</u>
								<u>25-31 Ilmenite, monazite.</u>
								<u>31-35 Pyrite.</u>
								<u>35-37 Fine trace tin, ilmenite, pyrite.</u>
								<u>37-41 Ilmenite, pyrite.</u>
								<u>41-43 Pyrite.</u>
								<u>43-45 Trace tin, pyrite.</u>
								<u>45-51 Pyrite.</u>

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 48.2 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 3.67 litres Grade 1 at 48.2 m 10.15 g SnO2/m³
 Total recovered tin 3.67 g SnO2 Grade 2 at 48.2 m 10.15 g SnO2/m³

604043

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576988 mE 5458879 mN DRILLING METHOD Reverse HOLE No. ERC...5
 SURFACE R.L. 80.6 m BASEMENT R.L. 28.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	10	116.1	0.09	0.15	14.9	7.8	0-0.5	Fill.
3	5	10	81.8	1.61	1.88	188.1	147.7	0.5-3	Brown silt and coarse drift.
5	7	8	91.5	0.08	0.10	13.1	8.2	3-5	Brown silt, sand, drift.
7	9	10	126.6	0.06	0.11	10.9	8.5	5-8.8	Drift, white silt.
9	11	11	127.5	0.03	0.05	5.0	4.3	8.8-10	Dark brown silt.
11	13	11.5	101.0	0.02	0.03	2.5	2.3	10-11	White silt, coarse sand.
13	15	7	90.0	0.06	0.08	11.0	6.1	11-13	Drift, minor dark brown silt.
15	17	12	88.3	0.08	0.10	8.4	7.9	13-14.5	Coarse drift, light grey and brown silt.
17	19	10	113.5	0.06	0.10	9.7	7.6	14.5-16	White silt, fine sand, rare light grey clay.
19	21	8	112.0	0.04	0.06	8.0	5.0		
21	23	11	90.6	0.02	0.03	2.4	2.0	16-17	As above with drift horizons.
23	25	9	112.6	0.02	0.03	3.6	2.5	17-18	Brown silt, drift.
25	27	10.5	128.6	0.11	0.20	19.3	15.9	18-19	Soft light grey clays, brown gritty wood and clays.
27	29	11.5	125.7	0.13	0.23	20.3	18.3		
29	31	14	150.0	0.11	0.24	16.84	18.5	19-23	Drifts, white silt, coarse sands, layers of soft grey clays 21.8.
31	33	9	157.3	B.L.D.	-	-	-		
33	35	8	115.9	0.75	1.24	155.2	97.5	23-23.5	Pure grey clay.
35	37	13	111.6	1.03	1.64	126.3	128.9	23.5-28.2	Drift, white silts. Layers of soft grey silty clay at 25.8.
37	39	13.5	101.4	0.17	0.25	18.2	19.3		
39	41	12	112.9	0.18	0.29	24.2	22.8	28.2-28.9	Grey tenaceous slightly silty clay.
41	43	10	180.0	0.93	1.06	106.3	83.4	28.9-31	White silty drift,
43	45	10	108.0	0.75	1.16	115.7	90.1	31-35	Layer of soft grey pure and gritty clays
45	47	14	116.0	0.23	0.38	27.2	29.9		change to brown clays at 32 m, also
47	49	24	89.8	1.15	1.48	61.5	61.5		wood observed.
49	51	26	81.7	2.97	3.47	133.3	133.3	35-40.6	Drift, coarse sand, white to grey silts
51	53	13	151.6	1.32	2.86	219.9	224.4		occasional layers of grey clay,
53	54	5	85.9	0.17	0.21	41.7	32.8		especially between 38.6 and 38.9.
54	55	3.5	101.9	0.13	0.19	54.1	29.1	40.6-41.9	Brown clays, both gritty, woody and pure.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 17.62 litres

Grade 1 at 52.2 m 45.78 g SnO2/m³

Total recovered tin 17.62 g SnO2

Grade 2 at 52.2 m 45.78 g SnO2/m³

60404

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Endurance..Leads COLLAR CO-ORDINATES...576988...mE...5458879...mN DRILLING METHOD...Reverse... HOLE No...ERC...5...
 SURFACE R.L...80.6...m BASEMENT R.L...28.4...m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL VOLUME...15.92...litres Circulation... PAGE...2...of...2...
 DRILLER R..Miller... SAMPLE WASHER...S...Moore... ASSAY METHOD...XRF... GEOLOGIST...R...Munro... DATE...1/11/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
55	56	3	233.5	0.02	0.07	22.2	10.5	41.9-45.5 Coarse drift, light brown silt, sand, broken wash, minor birdseye wash.
								45.5-46.7 Grey clay layer, generally gritty.
								46.7-50 Drift, coarse sand and drift, light grey to brown silts.
								50-52.2 Grey silty clay.
								52.2-56 Decomposed granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Trace tin, ilmenite monazite.
								3-5 Small amount tin, ilmenite, monazite.
								5-17 Ilmenite, monazite.
								17-25 Ilmenite, monazite, pyrite.
								25-29 Fine trace tin, ilmenite, monazite.
								29-31 Ilmenite, monazite.
								31-33 Ilmenite, pyrite.
								33-35 Small amount tin, ilmenite, pyrite.
								35-37 Small amount tin, ilmenite, monazite.
								37-41 Trace tin, ilmenite, monazite.
								41-45 Trace tin, ilmenite, pyrite.
								45-47 Trace tin, pyrite.
								47-49 Ilmenite, pyrite.
								49-51 Trace tin, ilmenite, monazite.
								51-54 Pyrite, ilmenite.
								54-56 Pyrite.

* Denotes "Floater Sample."

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...52.2...m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...17.62...g SnO2

Grade 2 at ...52.2...m ...45.78...g SnO2/m³

604045

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576978 mE 5458918 mN DRILLING METHOD Reverse HOLE No. ERC 6
 SURFACE R.L. 79.2 m BASEMENT R.L. 26.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5.5	102.9	0.30	0.44	80.2	23.2	0-5.0 Sample description lost.
3	5	1	110.0	0.06	0.09	94.3	7.4	5.0-5.5 Fine-medium sands, brown silt.
5	7	3	128.2	0.05	0.09	30.5	7.2	5.5-10.8 Coarse sand and small drift.
7	9	2	103.5	0.04	0.06	29.6	4.6	10.8-11.0 Stiff white silty clay.
9	11	4	122.7	0.04	0.07	17.5	5.5	11.0-15.5 Brown and grey clayey silts and fine sand.
11	13	5.5	115.8	0.02	0.03	6.0	2.6	
13	15	6	134.0	0.07	0.13	22.3	10.5	15.5-17.0 Stiff dark brown and light brown clays.
15	17	14	129.6	0.02	0.04	2.6	2.9	17.0-18.5 Fine-medium sands.
17	19	9	109.6	0.03	0.05	5.2	3.7	18.5-23.0 Medium to coarse sands with minor stiff clays.
19	21	11	139.2	0.08	0.16	14.5	12.5	
21	23	12	80.0	0.12	0.14	11.4	10.8	23.0-28.5 Coarse sand and small wash, with some birdseye; minor fine sands.
23	25	12	131.9	0.03	0.06	4.7	4.4	
25	27	10	138.9	0.07	0.14	13.9	10.9	28.5-33.0 Stiff white and light grey silty clays.
27	29	12	127.6	0.22	0.40	33.4	31.4	33.0-34.0 Fine sands and silt.
29	31	13	121.8	0.17	0.30	22.8	23.2	34.0-48.5 Medium-coarse sands and small wash, including birdseye.
31	33	13	89.6	0.08	0.10	7.9	8.0	
33	35	19	94.0	0.18	0.24	12.7	12.7	48.5-50.0 Stiff white clays.
35	37	23	101.7	0.18	0.26	11.4	11.4	50.0-51.0 Coarse sands with some small wash.
37	39	17	86.0	0.21	0.26	15.2	15.2	51.0-52.5 Ochre and light grey sandy clays.
39	41	14*	98.0	0.30	0.42	30.0	33.0	52.5-53.0 Stiff grey clays.
41	43	16	120.5	3.41	5.87	366.9	366.9	53.0-56.0 Fine sands, quartz grains, weathered feldspar. (granite)
43	45	19	124.4	2.37	4.21	221.7	221.7	
45	47	20	see sizing results	"	14.36	717.8	717.8	Sample Washer's Heavy Mineral Descriptions:
47	49	20*	"	"	4.01	200.5	200.5	
49	51	19*	"	"	4.03	212.2	212.2	0-3 Trace tin, ilmenite, monazite.
51	53	9*	102.5	2.62	3.84	426.3	301.1	3-29 Ilmenite, monazite.
53	55	5*	94.6	0.86	1.16	232.5	91.2	29-41 Fine trace tin, ilmenite, monazite.
55	56	3.5*	97.5	0.07	0.10	27.9	15.3	41-43 Small amount tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 7 litres

Grade 1 at 52.5 m g SnO2/m³

Total recovered tin 41.06 g SnO2

Grade 2 at 52.5 m 20.6 g SnO2/m³

604046

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576978 mE 5458918 mN DRILLING METHOD Reverse HOLE No. ERC. 6
 SURFACE R.L. 79.2 m BASEMENT R.L. 26.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								43-45 Ilmenite, monazite.
								45-47 Tin, ilmenite,
								47-51 Tin, ilmenite, pyrite.
								51-53 Small amount coarse tin, pyrite.
								53-55 Fine trace tin, pyrite.
								55-56 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 52.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 7 litres Grade 1 at m g SnO2/m³
 Total recovered tin 41.06 g SnO2 Grade 2 at 52.5 m 90.6 g SnO2/m³

604047

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ^{ERC 6.}

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.373	2.6	2.6
SAMPLE VOLUME <u>20.1</u>	plus 30	.5	1.637	11.4	14.0
GRADE <u>717.8 glm³</u>	plus 60	.25	3.726	25.95	39.9
TOTAL GRAMS OF SnO₂ <u>14.356</u>	plus 120	.125	7.41	51.62	91.6
	minus 120		1.21	8.43	100.0
Sample Interval <u>47 - 49</u>					
	plus 22	.71	-	-	-
SAMPLE VOLUME <u>20.1</u>	plus 30	.5	0.120	2.99	2.99
GRADE <u>200.5 glm³</u>	plus 60	.25	0.301	7.51	10.50
TOTAL GRAMS OF SnO₂ <u>4.009</u>	plus 120	.125	2.766	69.00	79.50
	minus 120		0.823	20.53	100.00
Sample Interval <u>49 - 51</u>					
	plus 22	.71	0.069	1.71	1.71
SAMPLE VOLUME <u>19.1</u>	plus 30	.5	0.3	7.44	9.15
GRADE <u>212.2 glm³</u>	plus 60	.25	1.748	43.35	52.50
TOTAL GRAMS OF SnO₂ <u>4.032</u>	plus 120	.125	1.594	39.53	92.04
	minus 120		0.321	7.96	100.0

604048

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576966 mE 5458957 mN DRILLING METHOD Reverse HOLE No. ERC. 7
 SURFACE R.L. 78.4 m BASEMENT R.L. 25.9 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	7	96.7	0.11	0.15	21.7	8.0	0-1.0 Fine-medium sands, brown silts.
3	5	10	123.6	0.26	0.46	45.9	36.0	1.0-2.75 Medium to coarse sands with minor ochre and grey silty clays.
5	7	4.5	115.3	0.03	0.05	11.0	3.9	2.75-7.0 Medium to coarse sands.
7	9	9	99.3	0.07	0.10	11.0	7.8	7.0-12.0 Fine sands with minor silts and grey clay.
9	11	8	94.4	0.07	0.09	11.8	7.4	12.0-16.5 Medium-coarse sand with small wash, minor clays.
11	13	9	117.6	0.71	1.19	132.5	93.6	16.5-20.8 Silty grey clays.
13	15	13	94.4	0.77	1.04	79.9	81.5	20.8-26.0 Medium-coarse sands with minor clays.
15	17	8	173.5	0.08	0.20	24.8	15.6	26.0-28.5 Medium to coarse sands with small wash.
17	19	9	97.9	0.10	0.14	17.5	11.0	28.5-32.0 Stiff white and grey silty clays.
19	21	13	96.7	0.07	0.10	7.4	7.6	32.0-36.5 Coarse sands and birdseye wash; minor silts.
21	23	12	110.8	0.04	0.06	5.3	5.0	36.5-37.0 Medium to fine sands.
23	25	17	104.3	0.23	0.34	20.2	20.2	37.0-38.5 Stiff silty grey clays.
25	27	11	90.9	1.30	1.69	153.5	132.5	38.5-47.5 Coarse sands and small wash, some birds-eye.
27	29	11	102.3	0.05	0.07	6.6	5.7	47.5-48.8 Ochre clays and coarse sands granite fragments.
29	31	10	140.3	0.04	0.08	8.0	6.3	48.8-49.0 Dark brown clays and weathered granite fragments.
31	33	18	106.1	0.13	0.20	10.9	10.9	49.0-51.0 Coarse sands with minor clays.
33	35	19	103.7	0.03	0.04	2.3	2.3	51.0-52.5 Coarse sands and large wash, some birds-eye; minor clays.
35	37	16	92.7	0.23	0.30	19.0	19.0	52.5-56.0 Grey clays, quartz grains, pink felspar, biotite granite.
37	39	15	95.1	1.54	2.09	139.5	164.2	Basement at 52.5
39	41	18	121.5	0.83	1.44	80.0	80.0	
41	43	18	103.2	0.30	0.44	24.6	24.6	
43	45	12	99.0	1.34	1.90	158.1	148.9	
45	47	16.5	see sizing results		11.59	702.4	702.4	
47	49	8.5	80.9	0.89	1.03	121.0	80.7	
49	51	18	90.0	2.19	2.82	156.4	156.4	
51	53	12	151.0	0.34	0.73	61.1	57.6	
53	55	7	227.9	0.03	0.10	13.9	7.7	
55	57	7	80.0	0.16	0.18	26.1	14.4	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 15.92 litres

Grade 1 at 52.5 m 73 g SnO2/m³

Total recovered tin 28.65 g SnO2

Grade 2 at 52.5 m 73 g SnO2/m³

604049

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576966 mE. 5458957 mN DRILLING METHOD Reverse HOLE No. ERC. 7
 SURFACE R.L. 78.4 m BASEMENT R.L. 25.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82 PAGE 2 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-5 Trace tin, ilmenite, monazite.
								5-11 ilmenite, monazite.
								11-13 Fine trace tin, ilmenite, monazite.
								13-15 Trace tin, ilmenite, monazite.
								15-17 Ilmenite, monazite.
								17-21 Ilmenite, pyrite.
								21-31 ilmenite, monazite.
								31-33 Fine trace tin, ilmenite, monazite.
								33-37 Ilmenite, monazite.
								37-39 Small amount tin, ilmenite.
								39-41 Fine trace tin, ilmenite, monazite.
								41-43 Trace tin, ilmenite.
								43-45 Small amount tin, ilmenite.
								45-47 Tin, ilmenite, pyrite.
								47-49 Trace tin, pyrite.
								49-51 Small amount tin, ilmenite, monazite.
								51-53 Fine trace tin, pyrite.
								53-57 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 28.65 litres

Grade 1 at 52.5 m 73 g SnO2/m³

Total recovered tin 28.65 g SnO2

Grade 2 at 52.5 m 73 g SnO2/m³

604050

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC 7.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.287	2.48	2.48
SAMPLE VOLUME <u>16.51</u>	plus 30	.5	1.319	11.39	13.87
GRADE _____	plus 60	.25	5.492	47.41	61.28
TOTAL GRAMS OF SnO ₂ <u>11.585</u>	plus 120	.125	4.034	34.82	96.10
	minus 120		0.453	3.91	100.01
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604051

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....576954.....mE.....5458993.....mN DRILLING METHOD Reverse..... HOLE No. ERC 8.....
 SURFACE R.L. 77.2.....m BASEMENT R.L. 29.7.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.....1.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE 2/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	12	88.9	0.17	0.22	18.0	11.3	0-1 Medium-coarse sand and brown silt.
3	5	11.5	187.7	0.03	0.08	7.0	6.3	1-2.5 Stiff ochre clays and clayey silts.
5	7	10	109.5	0.02	0.03	3.1	2.5	2.5-6.0 Medium-coarse sand with minor grey clays and silts.
7	9	12	96.5	0.08	0.11	9.2	8.7	
9	11	11	88.0	0.20	0.25	22.9	19.7	6.0-9.5 Coarse sands and white silts.
11	13	12	134.5	0.09	0.17	14.4	13.6	9.5-11.0 Stiff white clays, grey silt.
13	15	9	83.8	0.73	0.87	97.1	68.6	11.0-12.8 Fine-medium sands with minor silty white clay.
15	17	12	121.0	0.09	0.16	13.0	12.2	
17	19	11	120.2	0.03	0.05	4.7	4.0	12.8-17.0 Coarse sands, small wash with some birds-eye.
19	21	11.5	123.1	0.02	0.04	3.1	2.8	
21	23	11*	127.3	0.03	0.05	5.0	4.3	17.0-17.5 Stiff light brown and grey clays.
23	25	9*	130.0	0.01	-	-	-	17.5-22.0 Medium-coarse sands, minor fine sands and silts.
25	27	13	189.6	0.03	0.08	6.3	6.4	
27	29	15	93.4	0.03	0.04	2.7	3.1	22.0-22.5 Stiff white clay.
29	31	15	85.3	0.04	0.05	3.3	3.8	22.5-25.5 Dark brown clays with wood fragments, minor coarse sands.
31	33	14.5	80.6	0.19	0.22	15.1	17.2	
33	35	16	102.7	0.23	0.34	21.1	21.1	25.5-29.5 Medium-coarse sands, some birdseye.
35	37	12	105.1	0.11	0.17	13.8	13.0	29.5-32.5 Stiff white clays, clayey silts, with minor coarse sands.
37	39	11	112.4	0.10	0.16	14.6	12.6	
39	41	8	see sizing results		41.00	5125.0	3218.2	33.5-36.8 Coarse sand and small wash.
41	43	29	" "	" "	10.69	368.5	368.5	36.8-39.0 Stiff light grey clays, minor ochre and dark brown clays, some coarse sand.
43	45	12	164.3	2.33	5.46	455.7	429.3	
45	47	32	147.8	11.77	24.85	776.6	776.6	39.0-44.0 Medium to coarse sands and small wash; minor fine sands.
								44.0-47.5 Medium to coarse sands, small wash with birdseye; minor grey clays.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 47.0.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....85.09.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at 47.0.....m2.14.....g SnO2/m³

604052

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576954 mE 5458993 mN DRILLING METHOD Reverse HOLE No. ERC. 8
 SURFACE R.L. 77.2 m BASEMENT R.L. 29.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								<u>0-3 Trace tin, ilmenite, monazite.</u>
								<u>3-5 Trace of ilmenite, monazite.</u>
								<u>5-9 Ilmenite, monazite.</u>
								<u>9-11 Fine trace tin, ilmenite, monazite.</u>
								<u>11-13 Ilmenite, monazite.</u>
								<u>13-15 Trace tin, ilmenite, monazite.</u>
								<u>15-21 Ilmenite, monazite.</u>
								<u>21-27 Ilmenite, pyrite.</u>
								<u>27-29 Trace ilmenite.</u>
								<u>29-31 Ilmenite, monazite.</u>
								<u>31-37 Fine trace tin, ilmenite, monazite.</u>
								<u>37-39 Ilmenite, pyrite.</u>
								<u>39-41 Tin, ilmenite, pyrite.</u>
								<u>41-43 Large amount tin, ilmenite, pyrite.</u>
								<u>43-45 Small trace tin, pyrite.</u>
								<u>45-47 Tin, pyrite, ilmenite.</u>

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 47.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 7 litres Grade 1 at m g SnO2/m³
 Total recovered tin 85.00 g SnO2 Grade 2 at 47.0 m 214 g SnO2/m³

604053

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC. 8

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ FRACTION	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>39 - 41</u>					
	plus 22	.71	0.034	0.08	0.08
SAMPLE VOLUME <u>8.1</u>	plus 30	.5	0.116	0.28	0.37
GRADE _____	plus 60	.25	7.705	18.79	19.16
TOTAL GRAMS OF SnO₂ <u>41.003</u>	plus 120	.125	29.40	71.70	90.86
	minus 120		3.748	9.14	100.00
Sample Interval <u>41 - 43</u>					
	plus 22	.71	0.206	1.93	1.93
SAMPLE VOLUME <u>29.1</u>	plus 30	.5	1.566	14.65	16.58
GRADE <u>368.5 glm³</u>	plus 60	.25	2.72	25.45	42.04
TOTAL GRAMS OF SnO₂ <u>10.686</u>	plus 120	.125	3.143	29.41	71.45
	minus 120		3.051	28.55	100.00
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO₂ _____	plus 120	.125			
	minus 120				

604054

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....576954.....mE. 5458996.....mN DRILLING METHOD.....Reverse..... HOLE No...ERC...8.R.
 SURFACE R.L.....77.2.....m BASEMENT R.L.....30.2.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm..... THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE...1.....of.....1.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...7/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	39	-	-	-	3.08	-	12.1	See ERC. 8. - To 39 m.
39	41	12.5	141.7	31.45	63.89	5110.9	5014.6	
41	43	17	148.5	23.82	50.53	2972.5	2972.5	Commence sampling and descriptions at 39 m.
43	45	12	see sizing results		10.02	835.0	786.5	
45	47	8	" "	" "	9.75	1218.9	765.3	39.0-40.8 Drift, large drift, small wash, yellow silt, minor ferrigenous cement.
47	48	15	" "	" "	54.88	3658.7	3658.7	
								40.8-40.9 White silty clay layer.
								40.9-43.8 Drift, light brown silt.
								43.8-44.8 Grey silts, grey clays (impure), sand and drift.
								44.8-48.0 Decomposed granite basement-rapidly becomes hard rock. Sample very susceptible to run in of sediments.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								39-43 Large amount tin, ilmenite.
								43-47 Small amount tin, ilmenite, pyrite.
								47-48 Large amount tin, ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....47.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at.....m..... g SnO2/m³

Total recovered tin.....191.9.....g SnO2

Grade 2 at.....47.0.....m.....493.....g SnO2/m³

604053

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC. 8. R.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>43 - 45</u>					
	plus 22	.71	0.059	0.59	0.59
SAMPLE VOLUME <u>12.0 l</u>	plus 30	.5	0.189	1.89	2.48
GRADE <u>786.5 glm³</u>	plus 60	.25	1.189	11.86	14.34
TOTAL GRAMS OF SnO₂ <u>10.023</u>	plus 120	.125	7.36	73.43	87.77
	minus 120		1.225	12.22	100.00
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.094	0.96	0.96
SAMPLE VOLUME <u>8.0 l</u>	plus 30	.5	0.382	3.92	4.88
GRADE <u>765.3 glm³</u>	plus 60	.25	7.235	74.21	79.99
TOTAL GRAMS OF SnO₂ <u>9.75</u>	plus 120	.125	1.876	19.24	98.33
	minus 120		0.164	1.68	100.00
Sample Interval <u>47 - 48</u>					
	plus 22	.71	0.185	0.34	0.34
SAMPLE VOLUME <u>15.0 l</u>	plus 30	.5	2.021	3.68	4.02
GRADE <u>3658.7 glm³</u>	plus 60	.25	33.493	61.03	65.05
TOTAL GRAMS OF SnO₂ <u>54.878</u>	plus 120	.125	17.213	31.37	96.42
	minus 120		1.966	3.58	100.00

604056

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576636 mE 5458901 mN DRILLING METHOD Reverse HOLE No. ERC. 9
 SURFACE R.L. 83.5 m BASEMENT R.L. 25.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	143.6	0.06	0.12	13.7	6.4	0-1.0 Coarse sands and brown silt.
3	5	8	85.2	0.22	0.27	33.5	21.0	1.0-3.0 Ochre and brown silts.
5	7	5	106.9	0.04	0.06	12.2	4.8	3.0-4.5 Coarse sands and silts.
7	9	3	129.8	0.02	0.04	12.4	2.9	4.5-9.0 Dark brown silts with pyrite.
9	11	4.5	101.2	0.02	0.03	6.4	2.3	9.0-13.5 Coarse sands with black and dark brown silts.
11	13	4	111.7	0.05	0.08	20.0	6.3	
13	15	4	115.1	0.04	0.07	16.4	5.2	13.5-15.5 Light brown and white silty clay.
15	17	9	114.0	0.03	0.05	5.4	3.8	15.5-18.8 Medium to coarse sands.
17	19	7	135.4	0.11	0.21	30.4	16.7	18.8-25.0 Stiff white clays with minor fine and coarse sands.
19	21	10	130.7	0.09	0.17	16.8	13.2	
21	23	10	111.2	0.09	0.14	14.3	11.2	25.0-33.0 Medium-coarse sand, some birdseye, small wash.
23	25	10	142.8	0.07	0.14	14.3	11.2	
25	27	12	104.8	0.31	0.46	38.7	36.4	33.0-34.0 Stiff white clays and silts.
27	29	11	120.3	0.06	0.10	9.4	8.1	34.0-44.3 Coarse sand and wash, with birdseye; minor lenses of fine sand.
29	31	9	88.9	0.24	0.30	33.9	23.9	
31	33	11	92.2	1.69	2.23	202.4	174.7	44.5-47.0 Stiff white clays with minor coarse sand and small wash.
33	35	14	85.1	0.67	0.81	58.2	63.9	
35	37	13	88.8	0.18	0.23	17.6	17.9	47.0-53.0 Coarse sands and small wash.
37	39	14	101.3	0.18	0.26	18.6	20.5	53.0-58.5 Medium-coarse sands, some silts; minor small wash, and stiff white clays.
39	41	15.5	102.8	1.11	1.63	105.2	128.0	
41	43	11.5	86.9	0.86	1.07	92.8	83.8	58.5-61.0 Weathered granite (quartz grains, weathered feldspar).
43	45	16	123.0	0.17	0.30	18.7	18.7	
45	47	13.5	124.5	1.25	2.22	164.7	174.5	Sample Washer's Heavy Mineral Descriptions:
47	49	12.5	99.5	1.81	2.57	205.8	202.0	
49	51	22	76.0	1.30	1.41	64.2	64.2	0-19 Ilmenite, monazite.
51	53	10	see sizing results		6.25	625.0	490.6	19-27 Fine trace tin, ilmenite, monazite.
53	55	13	" "	"	4.71	362.3	369.7	27-29 Ilmenite, monazite.
55	57	17	125.9	1.86	3.35	196.8	196.8	29-31 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at 58.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 58.5 litres

Grade 1 at 58.5 m 90.34 g SnO2/m³

Total recovered tin 36.61 g SnO2

Grade 2 at 58.5 m 90.34 g SnO2/m³

604057

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576636 mE 5458901 mN DRILLING METHOD Reverse HOLE No. ERC...9
 SURFACE R.L. 83.5 m BASEMENT R.L. 25.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 2/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
57	59	4	120.0	0.12	0.21	51.4	16.2	31-33	Small amount tin, ilmenite, monazite.
59	61	16	see sizing	results	7.11	444.4	444.4	33-37	Fine trace tin, ilmenite, monazite.
								37-39	Ilmenite, monazite.
								39-47	Trace tin, ilmenite, monazite.
								47-49	Fine trace tin, ilmenite, pyrite.
								49-51	Small amount tin, ilmenite, pyrite.
								51-55	Tin, ilmenite, monazite.
								55-57	Small amount tin, ilmenite.
								57-59	Fine trace tin, pyrite.
								59-61	Small amount tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 58.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 16 litres Grade 1 at 58.5 m 90.34 g SnO2/m³
 Total recovered tin 36.61 g SnO2 Grade 2 at 58.5 m 90.34 g SnO2/m³

604058

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC 9

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>51 - 53</u>					
	plus 22	.71	2.109	33.76	33.76
SAMPLE VOLUME <u>10 l</u>	plus 30	.5	2.051	32.83	66.59
GRADE <u>490.6 glm³</u>	plus 60	.25	0.766	12.26	78.86
TOTAL GRAMS OF SnO₂ <u>6.246</u>	plus 120	.125	1.122	17.96	96.83
	minus 120		0.200	3.20	100.00
Sample Interval <u>53 - 55</u>					
	plus 22	.71	0.138	2.93	2.93
SAMPLE VOLUME <u>13 l</u>	plus 30	.5	0.318	6.74	9.67
GRADE <u>369.7 glm³</u>	plus 60	.25	0.777	16.48	26.16
TOTAL GRAMS OF SnO₂ <u>4.714</u>	plus 120	.125	2.535	53.78	79.93
	minus 120		0.946	20.07	100.00
Sample Interval <u>59 - 61</u>					
	plus 22	.71	1.384	19.47	19.47
SAMPLE VOLUME <u>16 l</u>	plus 30	.5	3.072	43.22	62.69
GRADE <u>444.4 glm³</u>	plus 60	.25	1.272	17.90	80.59
TOTAL GRAMS OF SnO₂ <u>7.107</u>	plus 120	.125	1.183	16.64	97.24
	minus 120		0.194	2.73	100.00

604059

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576660 mE 5458862 mN DRILLING METHOD Reverse HOLE No. ERC. 10
 SURFACE R.L. 85.1 m BASEMENT R.L. 23.3 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 3/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	131.6	0.10	0.19	31.3	9.8	0-1.5 Coarse sand and dark brown silt.
3	5	5	108.2	0.05	0.08	15.5	6.1	1.5-3.5 Coarse sands, ochre silts and silty clays.
5	7	11	84.2	0.68	0.82	74.4	64.2	3.5-6.5 Brown silts and silty clays with minor lenses of fine-medium sands.
7	9	9	151.9	0.04	0.09	9.6	6.8	6.5-11.5 Medium-coarse sands with black and brown silts.
9	11	7	111.6	0.03	0.05	6.8	3.8	11.5-16.5 White and grey silty clays with minor small wash.
11	13	3	115.8	0.03	0.05	16.5	3.9	16.5-24.8 Coarse sands and small wash, with birds-eye.
13	15	7	143.2	0.05	0.10	14.6	8.0	24.8-25.0 Stiff white clay.
15	17	7	91.2	0.06	0.08	11.2	6.1	25.0-35.0 Medium-coarse sands with small wash; minor clays.
17	19	6	124.6	0.02	0.04	5.9	2.8	35.0-37.0 Drift, large drift, coarse sand, minor white silt and small wash.
19	21	7	167.3	0.14	0.33	47.8	26.3	37.0-40.0 White silt, minor sand and grit.
21	23	9	92.7	0.22	0.29	32.4	22.9	40.0-41.0 No sample.
23	25	12	164.4	0.04	0.09	7.8	7.4	41.0-44.0 White coarse to medium silty sand; minor drift.
25	27	17.5	113.4	0.26	0.42	24.1	24.1	44.0-44.2 White coarse to medium silty sand, minor drift, small wash.
27	29	17	90.3	0.16	0.21	12.1	12.1	44.2-46.6 Drift, white silty, wash including birds-eye. Occasional layers of grey silty clay.
29	31	13	121.1	0.06	0.10	8.0	8.2	46.6-47.0 Grey, soft, silty clay.
31	33	17	104.6	0.23	0.34	20.2	20.2	47.0-49.0 Small to large wash with interstitial white clay and silt.
33	35	13	156.0	0.34	0.76	58.3	59.5	49.0-51.0 Coarse sand, drift, white silt.
35	37	23.5	109.0	0.15	0.23	9.9	9.9	
37	39	16	118.0	0.10	0.17	10.5	10.5	
39	41	4.5	97.4	0.05	0.07	15.5	5.5	
41	43	6	91.8	0.25	0.33	54.6	25.7	
43	45	6.5	138.7	0.74	1.47	225.6	115.1	
45	47	3.5	88.3	0.13	0.16	46.9	12.9	
47	49	20	97.2	0.05	0.07	3.5	3.5	
49	51	8	177.7	0.04	0.10	12.7	8.0	
51	53	10	96.5	0.05	0.07	6.9	5.4	
53	55	7	92.3	0.08	0.11	15.1	8.3	
55	57	14	101.3	0.32	0.46	33.1	36.4	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 61.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 11.30 litres

Grade 1 at 61.8 m 24.13 g SnO2/m³

Total recovered tin 11.30 g SnO2

Grade 2 at 61.8 m 24.13 g SnO2/m³

604060

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576660 mE 5458862 mN DRILLING METHOD Reverse HOLE No. ERC. 10
 SURFACE R.L. 85.1 m BASEMENT R.L. 23.3 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 3/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	17.5	122.0	0.25	0.44	24.9	24.9	51.0-52.0 Bright yellow silt, sand, minor drift.
59	61	34	113.5	1.23	1.99	58.7	58.7	52.0-54.5 White silt, sand, minor drift, wash including birdseye wash.
61	63	10	344.0	0.27	1.33	132.7	104.2	54.5-56.0 Yellow silt, sand, minor drift, wash.
63	64	5	98.8	0.12	0.17	33.9	26.6	56.0-58.7 Yellow clay, usually impure grading to silty drift from 56.5. Ironstone layers present.
64	65	8	90.1	0.08	0.10	12.9	12.9	58.7-58.9 Yellow-white clay.
								58.9-61.8 Yellow silty sands, drifts, wash, white silts.
								61.8-65.0 Decomposed granite basement.
								<u>Sample washer's Heavy Mineral Descriptions:</u>
								0-5 Ilmenite, monazite.
								5-7 Trace tin, ilmenite, monazite.
								7-21 Ilmenite, monazite.
								21-23 Fine trace tin, ilmenite, monazite.
								23-25 Ilmenite, monazite.
								25-29 Fine trace tin, ilmenite, monazite.
								29-31 Ilmenite, monazite.
								31-39 Fine trace tin, ilmenite, monazite.
								39-41 Ilmenite, monazite.
								41-47 Fine trace tin, ilmenite, monazite.
								47-55 Ilmenite, monazite.
								55-61 Trace tin, ilmenite, pyrite.
								61-63 Fine trace tin, pyrite.
								63-65 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 61.8 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 11.30 litres Grade 1 at 61.8 m 24.13 g SnO2/m³
 Total recovered tin 11.30 g SnO2 Grade 2 at 61.8 m 24.13 g SnO2/m³

604061

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576671 mE 5458824 mN DRILLING METHOD Reverse HOLE No. ERG 11
 SURFACE R.L. 85.3 m BASEMENT R.L. 29.1 m CUTTING SHOE/ THEORETICAL BIT DIAMETER 100 mm VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 3/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	12	168.1	0.03	0.07	6.0	3.8	0-3.0 Brown-yellow clayey grit.
3	5	9	103.4	0.04	0.06	6.6	4.6	3.0-5.0 Coarse sand, yellow silt, minor yellow clay.
5	7	1.5	108.1	0.04	0.06	4.2	4.9	5.0-6.0 Dark brown silt, coarse sand, drift.
7	9	1.5	186.5	0.01	-	-	-	6.0-6.2 Light brown silt, coarse sand, drift.
9	11	2.5	118.4	0.02	0.03	13.5	2.7	6.2-10.0 Light and dark brown silt, coarse sand, drift.
11	13	5.5	120.0	0.02	0.03	6.2	2.7	10.0-12.0 Dark brown silts and coarse sands.
13	15	10	194.5	0.05	0.14	13.9	10.9	12.0-12.8 Yellow-brown silts and drift.
15	17	9	110.1	0.05	0.08	8.7	6.2	12.8-13.2 White silty clay.
17	19	10.5	145.2	0.06	0.12	11.9	9.8	13.2-15.0 Dark brown silt, sand and drift.
19	21	9	93.8	0.23	0.31	34.2	24.2	15.0-16.8 Light brown silt, sand and drift.
21	23	9	134.2	0.03	0.06	6.4	4.5	16.8-17.5 Layers of brown sandy clay, white silt, brown gritty silts, white gritty clays.
23	25	10	158.2	0.04	0.09	9.0	7.1	17.5-18.5 Soft grey clay.
25	27	9	105.9	0.02	0.03	3.4	2.4	18.5-19.0 Sand, small wash, drift, minor yellow silts.
27	29	10	147.6	0.09	0.19	19.0	14.9	19.0-22.6 Brown silts, coarse sand.
29	31	10	90.0	0.11	0.14	14.1	11.1	22.6-23.6 Grey clay.
31	33	9.5	115.3	0.07	0.12	12.1	9.1	23.6-25.0 Drift, white silt, coarse sand.
33	35	8	138.4	0.24	0.47	59.3	37.3	25.0-25.2 Light grey clays, drift.
35	37	9	105.6	0.11	0.17	18.4	13.0	25.2-29.8 Light grey to light brown silty drift, and coarse sand, medium to small wash.
37	39	12	122.8	0.21	0.37	30.7	28.9	Grey clay seams.
39	41	10	143.6	0.10	0.21	20.5	16.1	29.8-33.7 Clean drift, coarse sand and small wash.
41	43	10	102.7	0.91	1.34	133.5	104.8	33.7-33.9 Grey-white silty clay with drift and grits.
43	45	7.5	139.8	0.74	1.48	197.1	116.0	33.9-45.0 Drift, wash, coarse sand, occasional
45	47	8	193.9	0.14	0.19	23.5	14.7	
47	49	4.5	107.0	0.07	0.11	23.8	8.4	
49	51	6	137.2	0.06	0.12	19.6	9.2	
51	53	6	97.0	0.10	0.14	23.1	10.9	
53	55	11	133.6	0.18	0.34	31.2	27.0	
55	57	5	153.7	0.03	0.07	13.2	5.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 56.2 m

Total recovered volume, surface to basement 6.6 litres

Total recovered tin 6.6 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 56.2 m 18.5 g SnO2/m³

Grade 2 at 56.2 m 18.5 g SnO2/m³

604062

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576671 mE 5458824 mN DRILLING METHOD Reverse HOLE No. ERC-11
 SURFACE R.L. 85.3 m BASEMENT R.L. 29.1 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 3/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	58	3	105.0	0.04	0.06	20.0	9.4	white silt. Rare white silty clays- generally impure.
58	59	6	101.6	0.03	0.04	7.3	6.8	
								45.0-47.0 Drift, wash, coarse sand, grey silt.
								47.0-48.0 Light brown clay, coarse sand, wash.
								48.0-50.7 Light brown silt, coarse sand, wash, drift. Soft grey clay seam - 49.8.
								50.7-52.0 Yellow silt, coarse sand, wash, drift.
								52.0-52.9 Grey silt, coarse sand, wash, drift.
								52.9-53.8 Yellow tenaceous gritty clays.
								53.8-54.2 Yellow silts, drift, white silt, coarse sand.
								54.2-55.7 Yellow silts, drift, white silt, coarse sand, wash.
								55.7-56.2 Brown silts, drift, coarse sand, wash.
								56.2-59.0 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-37 Ilmenite, monazite.
								37-43 Fine trace tin, ilmenite, monazite.
								43-45 Trace tin, ilmenite.
								45-51 Fine trace tin, pyrite.
								51-59 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 56.2 m

Total recovered volume, surface to basement litres

Total recovered tin 6.6 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at m g SnO2/m³

Grade 2 at 56.2 m 18.5 g SnO2/m³

604063

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576318 mE 5458883 mN DRILLING METHOD Reverse HOLE No. ERC-12
 SURFACE R.L. 86.1 m BASEMENT R.L. 38.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	5	114.7	0.03	0.05	9.8	2.6	0-2.0 Medium-coarse sand, black silts.
3	5	7	97.5	0.74	1.03	147.2	80.9	2.0-3.75 Ochre clays and coarse sands.
5	7	5	109.9	0.07	0.11	22.0	8.6	3.75-8.5 Medium to coarse sands and brown silts.
7	9	7	154.7	0.03	0.07	9.5	5.2	8.5-11.25 Stiff grey, brown, and white clays with
9	11	6	111.0	0.03	0.05	7.9	3.7	minor coarse sands.
11	13	8.5	130.0	0.02	0.04	4.4	2.9	11.25-15.0 Fine-medium sands and silt with minor
13	15	8.5	113.9	0.31	0.50	59.3	39.6	coarse sands.
15	17	12.5	121.5	0.15	0.26	20.8	20.4	15.0-15.5 Stiff white clays.
17	19	11.5	107.2	0.17	0.26	22.6	20.4	15.5-26.0 Medium-coarse sands with small wash and
19	21	12	153.4	0.16	0.35	29.2	27.5	birdseye; minor fine sands.
21	23	12	93.4	0.15	0.20	16.7	15.7	26.0-27.5 Stiff grey clay and clay silts.
23	25	10	130.5	0.19	0.35	35.4	27.8	27.5-31.5 Medium-coarse sands with small wash,
25	27	11	118.8	0.07	0.12	10.8	9.3	some birdseye.
27	29	14	113.0	0.09	0.15	10.4	11.4	31.5-33.5 Silty ochre and grey clays clayey silts.
29	31	14	130.4	0.12	0.22	16.0	17.6	33.5-38.0 Medium to coarse sands, some small wash,
31	33	12	133.6	0.05	0.10	8.0	7.5	minor clays.
33	35	18	106.5	0.08	0.12	6.8	6.8	38.0-38.5 Stiff white clays.
35	37	18	108.4	0.27	0.42	23.2	23.2	38.5-43.5 Wash, medium to coarse sands, minor silt.
37	39	16	96.8	0.15	0.21	13.0	13.0	43.5-45.5 Silty clays with minor lenses of wash.
39	41	19.5	90.0	0.06	0.08	4.0	4.0	45.5-47.5 Medium-coarse sands, small wash, some
41	43	22	96.7	1.72	2.38	108.0	108.0	birdseye.
43	45	15	97.5	0.92	1.28	85.4	100.6	47.5-48.5 Grey-green silts, with coarse sands and
45	47	16.5	94.2	0.66	0.89	53.8	53.8	small wash.
47	48.5	30	76.0	1.14	1.24	41.3	41.3	48.5-48.8 Weathered granite (quartz grains,
48.5	48.8	30	113.8	1.08	1.76	58.5	58.5	weathered feldspar).

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 47.5 m

Total recovered volume, surface to basement — litres

Total recovered tin 12.2 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at — m — g SnO2/m³

Grade 2 at 47.5 m 38 g SnO2/m³

604064

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576318 mE 5458883 mN DRILLING METHOD Reverse HOLE No. ERC. 12
 SURFACE R.L. 86.1 m BASEMENT R.L. 38.6 m CUTTING SHOE/ BIT DIAMETER. 100 mm THEORETICAL VOLUME 15.92 litres
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								0-3 Ilmenite, monazite.
								3-5 Fine trace tin, ilmenite,
								5-11 Ilmenite, monazite.
								11-17 Fine trace tin, ilmenite,
								17-35 Ilmenite, monazite.
								35-39 Fine trace tin, ilmenite, monazite.
								39-41 Ilmenite, monazite.
								41-43 Small amount tin, ilmenite.
								43-47 Trace tin, ilmenite, monazite.
								47-48.80 Trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 47.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 12.2 g SnO2 Grade 2 at 47.5 m 28 g SnO2/m³

604065

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576342 ME 5458806 MN DRILLING METHOD Reverse HOLE No. ERC-13
 SURFACE R.L. 87.0 m BASEMENT R.L. 28.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10.5	107.7	0.08	0.12	11.7	6.4	0-0.75 coarse sand and brown silt.
3	5	9	93.5	0.05	0.07	7.4	5.2	0.75-4.0 Ochre clays, sandy clays and silts.
5	7	9	124.0	0.02	0.04	3.9	2.8	4.0-6.0 Light brown silts and fine sands.
7	9	13	106.7	0.16	0.24	18.8	19.1	6.0-6.5 Oily black silts and fine sands.
9	11	12	110.4	0.05	0.08	6.6	6.2	6.5-12.5 Medium-coarse sands, brown silts.
11	13	7	93.7	0.02	0.03	3.8	2.1	12.5-13.5 Stiff light brown clays.
13	15	10.5	132.5	0.06	0.11	10.8	8.9	13.5-14.0 White clays and clayey silts.
15	17	10	120.0	0.05	0.09	8.6	6.7	14.0-19.0 Fine-medium sands, some silts; minor coarse sands.
17	19	8.5	105.0	0.06	0.09	10.6	7.1	19.0-20.0 Silts and clayey silts.
19	21	11	78.7	0.18	0.20	18.4	15.9	20.0-29.0 Medium-coarse sand, small wash, some birdseye; minor fine sands and clays.
21	23	11	100.0	0.13	0.19	16.9	14.6	29.0-36.8 Coarse sands and wash, some birdseye.
23	25	11	100.1	0.03	0.04	3.9	3.4	36.8-39.0 Fine sands and silty clay.
25	27	11	126.4	0.16	0.29	26.3	22.7	39.0-40.0 Medium sands and small wash; minor coarse sands.
27	29	13.5	103.8	0.05	0.07	5.5	5.8	
29	31	13	106.0	0.67	1.01	78.0	79.6	
31	33	12	91.6	0.74	0.97	80.7	76.0	
33	35	13.5	83.7	3.81	4.56	337.5	357.6	40.0-42.0 Clayey silts.
35	37	10	93.6	0.28	0.37	37.4	29.4	42.0-44.0 Medium-coarse sands, small wash; minor fine sands.
37	39	14	86.0	0.67	0.82	58.8	64.6	
39	41	15	81.3	1.45	1.68	112.3	132.2	44.0-44.5 Stiff ochre and pale grey clays.
41	43	13	90.6	1.17	1.51	116.5	118.9	44.5-52.75 Wash and coarse sands; minor silts and clays.
43	45	14	85.5	2.54	3.10	221.6	243.5	
45	47	15	94.2	0.94	1.26	84.3	99.3	52.75-53.25 Blue grey clay and black rock chips.
47	49	11	90.3	0.73	0.94	85.6	73.9	53.25-58.5 Stiff blue-grey silty clay with some quartz and felspar grains.
49	51	12*	100.8	0.08	0.12	9.6	9.0	
51	53	12*	116.0	0.04	0.07	5.5	5.2	58.5-61.0 Weathered granite.
53	55	10*	139.7	0.05	0.10	10.0	7.8	
55	57	9.5*	102.6	0.02	0.03	3.1	2.3	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 58.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g SnO2/m³

Total recovered tin 18.35 g SnO2

Grade 2 at 58.5 m 49 g SnO2/m³

604066

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576342 mE 5458806 mN DRILLING METHOD Reverse HOLE No. ERC. 13
 SURFACE R.L. 87.0 m BASEMENT R.L. 28.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	10*	110.8	0.04	0.06	6.3	5.0	<u>Sample Washer's Heavy Mineral Descriptions:</u>
59	60	8*	106.0	0.03	0.05	5.7	3.6	
60	61	5.5*	110.0	0.02	0.03	5.7	2.5	
								0-29 Ilmenite, monazite.
								29-33 Fine trace tin, ilmenite, monazite.
								33-35 Small amount tin, ilmenite, monazite.
								35-43 Fine trace tin, ilmenite, monazite.
								43-45 Small amount tin, ilmenite, monazite.
								45-49 Trace tin, ilmenite.
								49-51 Very fine trace tin, ilmenite.
								51-55 Ilmenite, pyrite.
								55-61 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 58.5 m

Total recovered volume, surface to basement..... litres

Total recovered tin..... 18.35 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at m g SnO2/m³

Grade 2 at 58.5 m 49 g SnO2/m³

604067

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576365 mE 5458729 mN DRILLING METHOD Reverse HOLE No. ERC...14
 SURFACE R.L. 89.0 m BASEMENT R.L. 32.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	8	125.8	0.07	0.13	15.7	6.6	0-2.0 Medium-coarse sands, brown silts.
3	5	4	142.1	0.02	0.04	10.2	3.2	2.0-5.0 Coarse sands, ochre and brown clays and silts.
5	7	9	122.2	0.01	-	-	-	5.0-7.5 Stiff white clays.
7	9	12	92.3	0.27	0.36	29.7	27.9	
9	11	11	91.4	0.26	0.34	30.9	26.7	7.5-8.8 Medium sands and oily black silts.
11	13	10	108.3	0.04	0.06	6.2	4.9	8.8-9.5 Brown-ochre silts and coarse sands.
13	15	9	123.3	0.05	0.09	9.8	6.9	9.5-10.7 Oily black silts with coarse sands.
15	17	10	110.0	0.02	0.03	3.1	2.5	10.7-13.8 Medium-coarse sands; minor silts and fine sands.
17	19	5	80.4	0.03	0.03	6.9	2.7	
19	21	11	89.6	0.12	0.15	14.0	12.1	13.8-19.5 Stiff brown silty clays.
21	23	13.5	124.7	0.19	0.34	25.1	26.6	19.5-26.75 Medium-coarse sand, small wash; minor fine sands.
23	25	10	92.4	0.05	0.07	6.6	5.2	
25	27	10.5	87.5	1.37	1.71	163.1	134.4	26.75-28.8 Stiff white clays and minor silts.
27	29	13	113.7	0.17	0.28	21.2	21.7	28.8-37.0 Medium-coarse sands, small wash; minor fine sands.
29	31	12	104.4	0.19	0.28	23.6	22.2	
31	33	14	92.7	0.22	0.29	20.8	22.9	37.0-38.5 Stiff white clays.
33	35	11	112.0	0.22	0.35	32.0	27.6	38.5-44.5 Medium-coarse sands, minor clays and silts.
35	37	10	95.1	1.09	1.48	148.1	116.2	44.5-51.0 Small wash and medium-coarse sands.
37	39	16	116.8	0.31	0.52	32.3	32.3	51.0-52.0 Blue grey clays and silts.
39	41	11	104.0	0.18	0.27	24.3	21.0	52.0-53.0 Medium-coarse sand, small wash.
41	43	14	84.1	0.26	0.31	22.3	24.5	53.0-54.5 Grey silty clays, some coarse sands, and sandstone fragments.
43	45	17	139.8	0.89	1.78	104.6	104.6	
45	47	26	101.2	1.24	1.79	69.0	69.0	54.5-56.5 Grey clays with sandstone fragments.
47	49	15	84.1	0.97	1.17	77.7	91.5	56.5-59.0 Weathered granite.
49	51	15	130.0	0.24	0.45	29.7	35.0	Sample Washer's Heavy Mineral Descriptions:
51	53	13	133.1	0.05	0.10	7.3	7.5	
53	55	10	123.8	0.04	0.07	7.1	5.6	0-9 Ilmenite, monazite.
55	57	10	129.0	0.03	0.06	5.5	4.3	9-13 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 56.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 12.6 g SnO2

Grade 2 at 56.5 m 31 g SnO2/m³

604068

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA: Endurance Leads COLLAR CO-ORDINATES: 576365 mE 5458729 mN DRILLING METHOD: Reverse HOLE No: ERC. 14
 SURFACE R.L. 89.0 m BASEMENT R.L. 32.5 m CUTTING SHOE/ BIT DIAMETER: 100 mm THEORETICAL VOLUME: 15.92 litres Circulation PAGE 2 of 2
 DRILLER: R. Miller SAMPLE WASHER: S. Moore ASSAY METHOD: XRF GEOLOGIST: R. Munro DATE: 4/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	4	105.3	0.03	0.05	11.3	3.5	13-25 Ilmenite, monazite. 25-31 Trace tin, ilmenite, monazite.
								31-35 Fine trace tin, ilmenite, monazite.
								35-41 Trace tin, ilmenite,
								41-45 Fine trace tin, ilmenite.
								45-51 Trace tin, ilmenite, pyrite.
								51-59 Pyrite,

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 56.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 at m g SnO2/m³
 Total recovered tin..... 12.6 g SnO2 Grade 2 at 56.5 m 31 g SnO2/m³

604069

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576388 mE 5458652 mN DRILLING METHOD Reverse HOLE No. ERC-15
 SURFACE R.L. 86.0 m BASEMENT R.L. 33.0 m CUTTING SHOE/ THEORETICAL BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	10	103.9	0.02	0.03	2.9	1.5	0-3.0 Dark brown to bright yellow clayey and silty grits.
3	5	7	106.3	0.02	0.03	4.3	3.4	
5	7	4.5	81.1	0.70	0.81	180.2	63.7	3.0-11.0 Medium brown silty drift and coarse sand.
7	9	8	141.5	0.13	0.26	32.9	20.6	11.0-13.0 Light brown sand, white silt, minor wood.
9	11	4.5	103.4	0.03	0.04	9.9	3.5	13.0-17.0 Light brown to light grey coarse sand.
11	13	3.5	106.5	0.02	0.03	8.7	2.4	17.0-24.8 White silty drift and coarse sand.
13	15	3	150.0	0.01	-	-	-	24.8-25.0 Layer of tenaceous light brown clay.
15	17	5	92.0	0.02	0.03	5.3	2.1	25.0-29.9 White silty drift and coarse sand.
17	19	7	71.3	1.32	1.34	192.1	105.5	29.0-35.0 White silty drift and coarse sand, occasional small to medium wash.
19	21	8	93.3	0.30	0.40	49.9	31.4	
21	23	10	85.8	1.70	2.08	208.4	163.6	35.0-41.0 Brown to grey silty drift and coarse sand, occasional small to medium wash, several grey clay layers.
23	25	11	108.6	1.25	1.94	176.3	152.2	
25	27	11.5	97.7	0.08	0.11	9.7	17.5	41.0-42.3 Coarse sand, drift, white silt.
27	29	13	91.7	0.19	0.25	19.1	19.5	
29	31	14	81.4	0.66	0.77	54.8	60.2	42.3-47.0 Coarse sand, drift, wash, brown clayey silt.
31	33	8	86.5	0.35	0.43	54.1	33.9	
33	35	11.5	97.5	0.14	0.20	16.9	15.3	47.0-53.0 Very silty grey silty coarse sand, drift and wash, grey clay layers-often gritty or sandy. Wash-angular to sub-angular.
35	37	17	103.2	0.31	0.46	26.9	26.9	
37	39	15	113.1	0.10	0.16	10.8	12.7	53.0-57.0 Decomposed granite basement.
39	41	15	122.7	0.33	0.58	38.6	45.4	
41	43	20.5	100.4	0.70	1.00	48.9	48.9	Sample Washer's Heavy Mineral Descriptions:
43	45	19	89.3	2.36	3.01	158.5	158.5	
45	47	15	139.3	0.76	1.51	100.8	118.7	0-17 Ilmenite, monazite.
47	49	14	154.0	0.17	0.37	26.7	29.4	17-21 Fine trace tin, ilmenite, monazite.
49	51	10	151.3	0.05	0.11	10.8	8.5	21-25 Trace tin, ilmenite, monazite.
51	53	7	102.9	0.02	0.03	4.2	2.3	25-41 Fine trace tin, ilmenite, monazite.
53	55	8	138.9	0.04	0.08	9.9	6.2	41-43 Trace tin, ilmenite, monazite.
55	56	4	102.3	0.05	0.07	18.3	11.5	43-47 Small amount tin, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 53.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 16.3 litres

Grade 1 at 53.0 m 444 g SnO2/m³

Total recovered tin 16.3 g SnO2

Grade 2 at 53.0 m 444 g SnO2/m³

604070

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576388 mE 5458652 mN DRILLING METHOD Reverse HOLE No. ERC...15
 SURFACE R.L. 86.0 m BASEMENT R.L. 33.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 2 of 2
 DRILLER Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/11/82

Section From m	Section To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
56	57	6	123.0	0.06	0.11	17.6	16.6	47-57 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Drillers reported basement at <u>53.0</u> m Total recovered volume, surface to basement <u> </u> litres Total recovered tin <u>16.3</u> g SnO2	Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80% Grade from surface to inferred basement Grade 1 at <u> </u> m <u> </u> g SnO2/m ³ Grade 2 at <u>53.0</u> m <u>44</u> g SnO2/m ³
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604071

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576025 mE 5458750 mN DRILLING METHOD Reverse HOLE No. ERC-16
 SURFACE R.L. 90.5 m BASEMENT R.L. 36.0 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	4.5	112.3	0.16	0.26	57.0	13.4	0-2.5 Brown silty sand, topsoil.
3	5	11	88.5	0.05	0.06	5.8	5.0	2.5-3.0 Light yellow silty drift and clay.
5	7	10	105.0	0.02	0.03	3.0	2.4	3.0-3.8 Yellow clay.
7	9	12	104.0	0.02	0.03	2.5	2.3	3.8-4.4 Yellow sandy clay.
9	11	11	101.3	0.03	0.04	3.9	3.4	4.4-4.8 Yellow silty coarse sand,
11	13	10	90.0	0.06	0.08	7.7	6.1	4.8-9.0 Brown sandy silty and small drift.
13	15	11	112.2	0.90	1.44	131.1	113.2	9.0-10.5 Lightly grey sandy silt.
15	17	15	118.5	0.04	0.08	5.6	6.6	10.5-12.0 Brown-yellow silty sand.
17	19	10.5	108.0	0.04	0.06	5.9	4.8	12.0-27.0 White-grey silty sand and drift.
19	21	12.5	112.5	0.03	0.05	3.9	3.8	Occasional grey silty clay stringers.
21	23	16	109.9	0.08	0.05	2.9	2.9	27.0-28.0 White-grey silty sand and drift,
23	25	16	125.2	0.19	0.34	21.2	21.2	occasional grey silty clay stringers,
25	27	17	149.9	0.32	0.69	40.3	40.3	wash.
27	29	15	92.1	0.18	0.24	15.8	18.6	28.0-28.9 Grey impure clay.
29	31	11	112.6	0.03	0.05	4.4	3.8	28.9-38.0 Grey to white silty sand and drift,
31	33	18	87.4	0.05	0.06	3.5	3.5	Grey gritty clay layers. 20 cm thick.
33	35	19	102.7	0.07	0.10	5.4	5.4	38.0-39.0 Brown silty sand and drift, wash.
35	37	11	156.7	0.06	0.13	12.2	10.5	39.0-42.8 Light yellow to grey silty sand and
37	39	11.5	88.4	0.69	0.87	78.7	68.4	drift, wash-(discontinuous).
39	41	16*	113.8	0.24	0.39	24.4	24.4	42.8-46.0 White-yellow silty sand, drift, wash.
41	43	23*	104.5	0.11	0.16	7.1	7.1	Gritty yellow clay horizons eg 44.6 to
43	45	21*	96.3	0.07	0.10	4.6	4.6	44.9.
45	47	22*	86.4	0.21	0.26	11.8	11.8	46.0-48.0 Very silty grey sand, drift.
47	49	25	273.7	0.02	0.08	3.1	3.1	48.0-54.5 Very silty grey sand, drift, wash
49	51	34	345.1	0.06	0.30	8.7	8.7	(angular)-interstitial and layers of
51	53	8	118.4	0.10	0.17	21.1	13.4	impure grey clay.
53	55	10	121.5	0.06	0.10	10.4	8.2	54.5-63.0 Decomposed granite basement.
55	57	6	101.4	0.04	0.06	9.7	4.6	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at 54.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.4 g SnO2

Grade 2 at 54.5 m 16 g SnO2/m³

604072

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576025 mE. 5458750 mN DRILLING METHOD Reverse HOLE No. ERC. 16
 SURFACE R.L. 90.5 m BASEMENT R.L. 36.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	12	180.8	0.03	0.08	6.4	6.1	<u>Sample Washer's Heavy Mineral Descriptions:</u>
59	61	13	113.7	0.01	-	-	-	
61	63	15	130.9	0.02	0.04	2.5	2.9	
								0-5 Trace tin, ilmenite, monazite.
								5-21 Ilmenite, monazite.
								21-25 Fine trace tin, ilmenite, monazite.
								25-29 Trace tin, ilmenite, monazite.
								29-39 Ilmenite, monazite.
								39-45 Fine trace tin, ilmenite, monazite.
								45-47 Fine trace tin, pyrite.
								47-63 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Drillers reported basement at 54.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement — litres Grade 1 at m g SnO2/m³
 Total recovered tin 6.4 g SnO2 Grade 2 at 54.5 m 16 g SnO2/m³

604073

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576047 mE 5458676 mN DRILLING METHOD Reverse HOLE No. ERC. 17
 SURFACE R.L. 92.1 m BASEMENT R.L. 23.3 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	7	97.6	0.04	0.06	8.0	2.9	0-1.0 Dark brown sand, silt, topsoil.
3	5	8.5	88.0	0.04	0.05	5.9	4.0	1.0-3.8 Light yellow impure and pure clay.
5	7	13	109.9	0.08	0.13	9.7	9.9	(Pure from 2.4 and mottled with a pinkish hue).
7	9	14.5	92.7	0.04	0.05	3.7	4.2	
9	11	13	99.0	0.03	0.04	3.3	3.3	3.8-4.7 Brown silty sands and small drift.
11	13	10.5	106.8	0.02	0.03	2.9	2.4	4.7-5.8 Light brown silty sand and small drift.
13	15	12	141.2	0.04	0.08	6.7	6.3	5.8-11.6 Very dark brown silty drift, and coarse sand.
15	17	14.5	104.6	0.08	0.12	8.2	9.4	
17	19	11	146.7	0.02	0.04	3.8	3.3	11.6-12.8 Light brown pure clay.
19	21	15	87.0	0.11	0.14	9.1	10.7	12.8-15.0 Light brown sandy silt, some drift.
21	23	15	150.6	0.10	0.22	14.3	16.9	15.0-19.8 Light grey sands, drift, silt. Layer of grey silty clay at 16.4-16.8.
23	25	12	83.7	2.01	2.40	200.8	188.7	
25	27	18	136.6	0.64	1.25	69.4	69.4	19.8-20.7 Soft grey clay.
27	29	13.5	85.8	0.69	0.85	62.6	66.4	20.7-37.0 Light grey silty clays sand, drift. Grey clay layer-32.5-32.8, and again 34 when it becomes even more silty.
29	31	16.5	115.8	0.17	0.28	17.0	17.0	
31	33	19	139.2	0.08	0.16	8.4	8.4	
33	35	15	78.5	0.07	0.08	5.2	6.2	37.0-39.0 As above but also wash.
35	37	12	111.4	0.10	0.16	13.3	12.5	39.0-43.0 Drifts, wash, coarse sand, light grey silts.
37	39	21	124.4	0.72	1.28	60.9	60.9	
39	41	11	96.3	0.90	1.24	112.6	97.2	43.0-44.5 Drifts, wash, coarse sand, light yellow silt.
41	43	13	88.9	0.26	0.33	25.4	25.9	
43	45	22	124.4	0.23	0.41	18.6	18.6	44.5-44.8 Yellow coarse gritty clay.
45	47	20	105.7	0.20	0.30	15.1	15.1	44.8-46.9 Drift, wash coarse sand, yellow silt.
47	49	47	120.0	1.10	1.89	40.1	40.1	Yellow-brown clay layer at 46.2-46.4, some wood fragments.
49	51	37.5	245.3	0.08	0.28	7.5	7.5	
51	53	20	147.9	0.12	0.25	12.7	12.7	46.9-49.0 Light grey silts, drift, small wash, coarse sand.
53	55	9	191.0	0.05	0.14	15.1	10.7	
55	57	13.5	118.4	0.07	0.12	8.7	9.3	

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 68.8 m

Total recovered volume, surface to basement 12.7 litres

Total recovered tin 12.7 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 68.8 m 22 g SnO2/m³

Grade 2 at 68.8 m 22 g SnO2/m³

604074

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576047 mE 5458676 mN DRILLING METHOD Reverse HOLE No. ERC-17
 SURFACE R.L. 92.1 m BASEMENT R.L. 23.3 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
57	59	10*	116.5	0.03	0.05	5.9	3.9	49.0-68.8 Thick medium to clay silts, drift, small-medium sub-angular wash, sand, horizons
59	61	7.5*	127.3	0.01	-	-	-	
61	63	6.5*	112.6	0.01	-	-	-	of grey clay becoming mottled impure grey-white-white-dark green. Large broken quartzite wash from 57m.
63	65	8*	153.3	0.04	0.09	10.9	6.9	
65	67	7.5*	109.0	0.02	0.03	4.1	2.4	Greenish brown clays at 65-68m.
67	69	9*	212.4	0.03	0.09	12.1	7.1	
69	71	10*	194.1	0.02	0.06	5.6	4.3	68.8-73.0 Granite basement.
71	73	8*	113.1	0.04	0.06	8.0	5.1	
Sample Washer's Heavy Mineral Descriptions:								
0-5 Trace ilmenite.								
5-21 Ilmenite, monazite.								
21-23 Trace tin, ilmenite, monazite.								
23-25 Small amount tin, ilmenite, monazite.								
25-29 Trace tin, ilmenite, monazite.								
29-39 Fine trace tin, ilmenite, monazite.								
39-45 Trace tin, ilmenite, monazite.								
45-47 Ilmenite, monazite.								
47-73 Pyrite.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 68.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 120.7 litres

Grade 1 at 68.8 m 22 g SnO2/m³

Total recovered tin 120.7 g SnO2

Grade 2 at 68.8 m 22 g SnO2/m³

604075

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance Leads COLLAR CO-ORDINATES...5776072...mE...5458600...mN DRILLING METHOD...Reverse... HOLE No...Erc...18...
 SURFACE R.L...90.5...m BASEMENT R.L...24.7...m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL CIRCULATION...15.92...litres PAGE...1...of...2...
 DRILLER...R. Miller... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF... GEOLOGIST...R. Munro... DATE...5/11/82...

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	8	110.8	0.06	0.09	11.9	5.0	0-1.0 Dark brown sand.
3	5	9	140.0	0.03	0.06	6.7	4.7	1.0-2.0 Yellow silty sand.
5	7	14	158.7	0.06	0.14	9.7	10.7	2.0-3.0 Yellow fine sandy clay.
7	9	13	149.5	0.03	0.06	4.9	5.0	3.0-3.7 Sandy bright yellow silt.
9	11	12*	129.9	0.05	0.09	7.7	7.2	3.7-4.6 Light grey clay.
11	13	12	159.9	0.03	0.07	5.7	5.4	4.6-4.9 Yellow-brown sandy silts.
13	15	13	134.6	0.03	0.06	4.4	4.5	4.9-6.0 Brown drift and sand, white gritty clay band at 5.4 m.
15	17	11	113.3	0.04	0.06	5.9	5.1	
17	19	12	141.1	0.07	0.14	11.7	11.1	6.0-8.5 Dark brown coarse sand, minor drift.
19	21	13	197.5	0.03	0.08	6.5	6.6	8.5-9.0 Light brown-light grey pure clay.
21	23	13	157.8	0.10	0.23	17.3	17.7	9.0-11.0 Light brown silty sands, minor drift, layers of silty clay.
23	25	12.5	195.3	0.09	0.25	20.1	19.7	
25	27	15	129.0	0.05	0.15	9.8	11.6	11.0-16.4 Dark brown-light brown silts.
27	29	12	193.2	0.18	0.50	41.4	39.0	16.4-16.6 Tenaceous light grey clays.
29	31	18	106.6	0.16	0.24	13.5	13.5	16.6-30.8 Light brown silts sand, drift.
31	33	12	135.1	0.27	0.52	43.4	40.9	30.8-37.0 Light brown silts, sand, drift, wash
33	35	14.5	200.6	0.06	0.17	11.9	13.5	(at times); grey clay layers at 32.6m.
35	37	16	139.2	0.21	0.42	26.1	26.1	37.0-40.8 Light grey silts, sand, drift, wash,
37	39	12	182.2	0.16	0.42	34.7	32.7	grey clay horizons, Wash becoming coarse
39	41	20	126.1	0.29	0.52	26.1	26.1	from 38m.
41	43	12.5	145.8	0.11	0.23	18.3	18.3	40.8-46.0 Light brown silts, sand, drift, wash.
43	45	13	107.8	0.08	0.12	9.5	9.7	46.0-46.5 Grey silt, sand, drift, rare wash.
45	47	12.5	219.0	0.03	0.09	7.5	7.4	46.5-47.9 Brown silt, sand, drift, rare wash, brown
47	49	24	137.7	0.16	0.31	13.1	13.1	clay.
49	51	27	124.6	1.26	2.24	83.1	83.1	47.9-48.8 Drift, coarse sand, minor grey silt.
51	53	9.5	81.7	0.72	0.84	88.5	65.9	48.8-56.0 Drift, coarse sand, minor grey silt,
53	55	24	238.6	0.06	0.20	8.5	8.5	frequent wash.
55	57	12	141.1	0.04	0.08	6.7	6.3	

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at...65.8...m

Total recovered volume, surface to basement... litres

Total recovered tin...9.1...g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at ...65.8...m ...17... g SnO2/m³

604070

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA ~~Endurance Leads~~ COLLAR CO-ORDINATES 5776072 mE 5458600 mn DRILLING METHOD Reverse HOLE No. ERC. 18
 SURFACE R.L. 90.5 m BASEMENT R.L. 24.7 m CUTTING SHOE/ BIT DIAMETER. 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82
 PAGE 2 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	9	150.0	0.04	0.09	9.5	6.7	56.0-64.6 Medium to dark thick grey silt, grey-dark green-white clays with granular appearance-generally tenaceous, sub-angular wash-quartz and large, dark broken quartzite and sandstone types, drift, sand. Drift occurs in layers, clays more dominate with depth.
59	61	9	114.5	0.01	-	-	-	
61	63	13	76.5	0.13	0.14	10.9	11.1	64.6-65.8 As above but silts and clays brownish in colour.
63	65	11.5	107.3	0.03	0.17	14.6	13.2	
65	67	12	117.0	0.11	0.18	15.3	14.4	65.8-71.0 Granite basement.
67	69	8	115.2	0.02	0.03	4.1	2.6	
69	71	11	117.5	0.02	0.03	3.0	2.6	
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
		0-25	Ilmenite, monazite.					
		25-33	Fine trace tin, ilmenite, monazite.					
		33-47	Ilmenite, monazite.					
		47-49	Fine trace tin, ilmenite, monazite.					
		49-51	Small amount tin, ilmenite, monazite.					
		51-53	Fine trace tin, pyrite.					
		53-71	Pyrite.					

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 65.8 m

Total recovered volume, surface to basement 9.1 litres

Total recovered tin 9.1 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Grade from surface to inferred basement

Grade 1 at 65.1 m 17 g SnO2/m³

Grade 2 at 65.1 m 17 g SnO2/m³

604077

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575681 mE. 5458772 mN DRILLING METHOD Reverse HOLE No. ERC 19
 SURFACE R.L. 84.8 m BASEMENT R.L. 33.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 5.92 litres Circulation 2 litres
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 6/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	13	107.8	0.06	0.09	7.1	-4.8	0-1.0 No recovery-in sand.
3	5	9	122.3	0.04	0.07	7.8	5.5	1.0-2.0 Yellow silty small drift.
5	7	12	117.7	0.06	0.10	8.4	7.9	2.0-2.5 Yellow gritty clay.
7	9	12	93.0	0.05	0.07	5.5	5.2	2.5-5.2 Yellow silty sand and drift.
9	11	11.5	118.7	0.04	0.07	5.9	5.3	5.2-7.0 Brown to dark brown silty sand and drift.
11	13	10	141.0	0.01	-	-	-	7.0-8.2 Coarse sand.
13	15	11	154.2	B.L.D.	-	-	-	8.2-15.1 Light brown sand and drift, brown clays
15	17	17	82.1	0.02	0.02	1.4	1.4	11.8-12.2, minor wood.
17	19	16	121.8	0.18	0.31	19.6	19.6	15.1-16.8 Yellow sandy silt and drift.
19	21	12.5	110.2	0.05	0.08	6.3	6.2	16.8-23.5 Light grey silty drift and coarse sand.
21	23	14	112.3	0.05	0.08	5.7	6.3	Grey clay layer 18.
23	25	15	153.0	0.02	0.04	2.9	3.4	23.5-24.0 Light brown silty drift and coarse sand.
25	27	13	199.6	0.01	-	-	-	24.0-25.3 Yellow-orange clay grading to brown clay
27	29	12	148.2	B.L.D.	-	-	-	at 24.5.
29	31	11	141.7	0.02	0.04	3.7	3.2	25.3-26.0 Sand, drift, grey clay (impure).
31	33	15.5	164.8	0.02	0.05	3.0	3.7	26.0-30.6 Grey clay to dark brown clay with organic
33	35	13	180.2	0.01	-	-	-	fragments.
35	37	12	152.9	0.04	0.09	7.3	6.8	30.6-30.9 Coarse sand and drift.
37	39	15	275.4	0.01	-	-	-	30.9-33.0 Brown clay, silt, drift and coarse sand,
39	41	9	115.0	0.03	0.05	5.4	3.9	33.0-38.1 Drift, coarse sand, grey silt, wash,
41	43	17	123.3	1.49	2.62	154.4	154.4	occasional grey horizons.
43	45	9	99.0	0.32	0.45	50.3	35.5	38.1-40.6 Grey silty clay.
45	47	14.5	103.2	0.10	0.15	10.2	11.6	40.6-44.5 Brown silty clay, drift, wash.
47	49	12	115.1	0.22	0.36	30.2	28.4	44.5-45.0 Brown clay.
49	51	11	83.3	0.09	0.11	9.7	8.4	45.0-51.0 Grey silty sand, grey silty clay, wash,
51	53	8	215.0	0.07	0.22	26.9	16.9	drift, coarse sand, Thicker grey clays
53	55	21.5	127.8	0.08	0.15	6.8	6.8	at 50.7, 50.9.
								51-53.0 Granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 51.0 m

Total recovered volume, surface to basement 5.2 litres

Total recovered tin 5.2 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 51.0 m 13.6 g SnO2/m³

Grade 2 at 51.0 m 13.6 g SnO2/m³

60407S

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575681 mE 5458772 mN DRILLING METHOD Reverse HOLE No. ERC...19
 SURFACE R.L. 84.8 m BASEMENT R.L. 33.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-7 Trace ilmenite.
								7-11 Ilmenite, monazite.
								11-15 Pyrite.
								15-23 Ilmenite, monazite.
								23-41 Pyrite.
								41-45 Trace tin, pyrite.
								45-53 Ilmenite, pyrite.
								53-55 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 51.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — g SnO2/m³

Total recovered tin 5.2 g SnO2

Grade 2 at 51.0 m 13.5 g SnO2/m³

604079

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES...575730.....mE.....5458618.....mN DRILLING METHOD...Reverse..... HOLE No. ERC...20.....
 SURFACE R.L. 97.2.....m BASEMENT R.L. 36.2.....m CUTTING SHOE/ THEORETICAL BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...1.....of.....2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...6/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	15	154.5	0.02	0.04	2.9	2.3	0-4.0 Yellow silty coarse sand, with minor mottled yellow-orange-white clays from
3	5	10	113.7	0.02	0.03	3.3	2.6	3-5m.
5	7	9.5	90.8	0.03	0.04	4.1	3.1	4.0-5.8 Yellow silty drifts and sands.
7	9	11.5	227.9	0.01	-	-	-	5.8-6.0 Gritty yellow clays.
9	11	10.5	110.8	0.02	0.03	3.0	2.4	6.0-6.4 Yellow sands and drift.
11	13	9	184.5	0.02	0.05	5.9	4.1	6.4-10.0 Dark brown sand and small drift.
13	15	14	118.4	0.08	0.14	9.7	10.6	10.0-12.0 Dark brown silts, sands, minor drift.
15	17	12	122.6	0.03	0.05	4.4	4.1	12.0-13.0 Grey silts, clay horizons minor drift and sand.
17	19	9.5	110.1	0.03	0.05	4.9	3.7	13.0-14.5 Pure grey clay and brown clay.
19	21	13	152.6	0.02	0.04	3.4	3.4	14.5-18.0 Yellow drift, yellow silty sands.
21	23	12	121.1	0.02	0.03	2.9	2.7	18.0-19.2 Grey silty clays.
23	25	10	109.0	0.02	0.03	3.1	2.4	19.2-20.2 Dark brown clays with wood fragments.
25	27	21	180.7	0.02	0.05	2.5	2.5	20.2-28.0 Clean sand and drift, minor light grey silt from 22m. Soft brown sandy clay layer 27.1m.
27	29	9	105.2	0.02	0.03	3.3	2.4	28.0-28.8 Brown clays with wood fragments.
29	31	12	88.3	0.24	0.30	25.2	23.8	28.8-34.0 Light grey sands and drift.
31	33	11	165.3	0.11	0.26	23.6	20.4	34.0-34.5 Light grey sands and drift, wash.
33	35	13	115.4	0.08	0.13	10.2	10.4	34.5-34.8 Grey clay.
35	37	15	207.4	0.02	0.06	4.0	4.7	34.8-35.0 Light grey sands, ie as for 34.0-34.5.
37	39	14	108.9	0.02	0.03	2.2	2.4	35.0-36.6 Grey gritty clay.
39	41	9.5	121.2	0.03	0.05	5.5	4.1	36.6-38.5 Grey silt, drift, sands.
41	43	9	107.5	0.06	0.09	10.2	10.2	38.5-40.9 Brown clay.
43	45	15	82.0	0.07	0.08	5.5	6.4	40.9-42.6 Silty grey clays occasional layer of sand and drift.
45	47	11	98.4	0.02	0.03	2.6	2.2	42.6-43.8 Drift and light grey silt.
47	49	7.5	78.9	0.10	0.14	18.8	11.1	
49	51	11	96.3	0.91	1.25	113.8	98.3	
51	53	8	105.8	0.04	0.06	7.6	4.8	
53	55	17	101.6	0.68	0.99	58.1	58.1	
55	57	15	127.3	0.88	1.60	106.9	125.6	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at...61.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....10.55.....g SnO2

Grade 2 at 61.....m 26.5.....g SnO2/m³

604080

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....575730.....mE.....5458648.....mN DRILLING METHOD Reverse..... HOLE No. ERG...20.....
 SURFACE R.L.....97.2.....m BASEMENT R.L.....36.2.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.....2..of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore ASSAY METHOD XRF..... GEOLOGIST R. Munro DATE 6/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	13	98.7	1.01	1.42	109.6	111.8	43.8-49.5 Brown woody clay becoming greyer and silty clay with depth.
59	61	13	85.7	1.14	1.40	107.4	109.6	
61	63	13	125.5	0.11	0.20	15.2	15.5	49.5-53.0 Sandy brown clay.
63	65	7.5	78.7	1.62	1.82	242.9	142.9	53.0-61.0 Thick grey silt, small-medium wash, drift, coarse sand, grey clays becoming more common with depth. Silt and clays becoming greenish below 60m.
								61.0-65.0 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-3 Trace ilmenite.
								3-19 Ilmenite, monazite.
								19-21 Pyrite.
								21-25 Ilmenite, pyrite.
								25-27 Ilmenite.
								27-29 Pyrite.
								29-37 Ilmenite, monazite.
								37-49 Pyrite.
								49-51 Trace tin, pyrite.
								51-53 Pyrite.
								53-61 Fine trace tin, pyrite.
								61-63 Pyrite.
								63-65 Trace coarse tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at.....61.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....10.55.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at61.....m26.5.....g SnO2/m³

604081

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Endurance..Leads COLLAR CO-ORDINATES...575778.....ME 5458465.....MN DRILLING METHOD...Reverse..... HOLE No...ERC - 21.....
 SURFACE R.L...93.9.....m BASEMENT R.L...38.1.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...1.....of...2.....
 DRILLER R...Miller..... SAMPLE WASHER...S...Moore.... ASSAY METHOD...XRF..... GEOLOGIST...R...Munro..... DATE...6/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	6	138.5	0.07	0.14	23.1	7.3	0-2.0 Grey humic sands.
3	5	8.5	87.0	0.04	0.05	5.9	3.9	2.0-4.0 Light brown silts grits with minor ferricrete.
5	7	7	80.3	0.16	0.18	26.2	14.4	4.0-4.5 Yellow brown silty drift and sand.
7	9	8	150.6	0.04	0.09	10.8	6.8	4.5-5.0 Yellow brown clayey drift and sand.
9	11	10	84.6	0.06	0.07	7.3	5.7	5.0-5.7 Bright yellow sandy silt.
11	13	9	102.0	0.02	0.03	3.2	2.3	5.7-7.2 White gritty and sandy silt, some impure clay layers.
13	15	8	199.0	0.08	0.23	28.4	17.9	7.2-11.0 Brown coarse sand and small drifts.
15	17	14.5	148.2	0.04	0.08	5.8	6.7	11.0-11.5 Brown sandy silt.
17	19	10	140.0	0.01	-	-	-	11.5-16.0 Brown clayey sand, drift.
19	21	9	90.2	0.05	0.06	7.2	5.1	16.0-19.0 Soft light grey clay, minor grit and wood layers.
21	23	10.5	105.7	0.02	0.03	2.9	2.4	19.0-33.0 Brown silty coarse sand, drift, brown clay, minor wood fragments.
23	25	11	81.0	0.03	0.03	3.2	2.7	33.0-34.0 Tenaceous gritty brown clay.
25	27	13	85.5	0.03	0.04	2.8	2.9	34.0-35.0 Dark brown drift and sand.
27	29	11	80.6	0.03	0.03	3.1	2.7	35.0-36.2 Dark brown silty coarse sand with clay layers frequently encountered.
29	31	15.5	79.9	0.04	0.06	3.7	4.5	36.2-40.0 Dark brown silty drift and coarse sand.
31	33	24	156.6	0.06	0.13	5.6	5.6	40.0-42.0 Grey moderatley tenaceous clays.
33	35	12.5	103.8	0.02	0.03	2.4	2.3	42.0-42.2 Grey silty sands and drift.
35	37	16	173.4	0.02	0.05	3.1	3.1	42.0-48.0 Grey tenaceous clay, becoming silty with depth.
37	39	20	78.3	0.04	0.04	2.2	2.2	48.0-52.2 Yellow brown silt, wash, drift.
39	41	14	206.6	0.01	-	-	-	52.2-52.4 Brown-grey clay.
41	43	13	194.4	0.01	-	-	-	52.4-55.2 Brown silts, large wash, drift, stringer of brown clay at 54.7.
43	45	15	115.5	0.02	0.03	2.2	2.6	
45	47	11	153.4	0.02	0.04	3.9	3.4	
47	49	6	121.2	0.08	0.14	23.2	10.9	
49	51	7	167.7	0.09	0.22	30.8	16.9	
51	53	8	87.5	0.29	0.36	45.3	28.5	
53	55	15	124.7	0.11	0.20	13.1	15.4	
55	57	5	see sizing results		21.494	4298.8	1663.6	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...55.8.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....24.10.....g SnO2

Grade 2 at...55.8.....m...65.8.....g SnO2/m³

604082

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance..Leads COLLAR CO-ORDINATES...575778.....mE.....5458465.....mN DRILLING METHOD...Reverse..... HOLE No...ERC. 21
 SURFACE R.L.....93.9.....m BASEMENT R.L.....38.1.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100.mm..... VOLUME.....15.92.....litres PAGE...2...of.....2...
 DRILLER...R..Miller..... SAMPLE WASHER...S...Moore.. ASSAY METHOD...XRF..... GEOLOGIST.R...Munro..... DATE...6/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	58	3	88.7	0.07	0.09	29.6	13.9	55.2-55.8 wash, drift, coarse sand, light grey silts.
58	59	5	138.7	0.08	0.16	31.7	24.9	
								55.8-59.0 Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-15 Ilmenite, monazite.
								15-49 Pyrite.
								49-55 Fine trace tin, pyrite.
								55-57 Coarse tin, pyrite.
								57-59 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at:.....55.8.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin.....24.10.....g SnO2 Grade 2 at55.8.....m66.8.....g SnO2/m³

604083

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC. 21

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>55 - 57</u>	PLUS 16		16.027	74.56	74.56
	plus 22	.71	2.453	11.41	85.97
SAMPLE VOLUME <u>5.0 l</u>	plus 30	.5	1.399	6.51	92.48
GRADE <u>1663.6 g/m³</u>	plus 60	.25	1.168	05.43	97.91
TOTAL GRAMS OF SnO ₂ <u>21.494</u>	plus 120	.125	0.320	1.49	99.32
	minus 120		0.127	0.59	99.91
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604084

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....576942.....mE.....5459032.....mN DRILLING METHOD...Reverse..... HOLE No..ERC 22.....
 SURFACE R.L.....78.0.....m BASEMENT R.L.....43.0.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm..... THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE.....1.....of.....2.....
 DRILLER..R. Miller..... SAMPLE WASHER..S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST..R. Munro..... DATE..6/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	95.6	0.06	0.08	13.7	4.3	0-1.5 Brown gritty sand.
3	5	17.5	78.7	0.96	1.08	61.7	61.7	1.5-3.0 Soft grey brown slightly gritty clay.
5	7	11	143.5	0.09	0.18	16.8	14.5	3.0-11.0 Very silty coarse sand and drift, occasional grey clay layers from 5m.
7	9	14	97.1	0.07	0.10	6.9	7.6	
9	11	12	194.3	0.20	0.56	16.9	44.3	11.0-13.5 Drift and coarse drift, light grey silts.
11	13	15	95.7	2.79	3.81	254.3	299.4	13.5-14.8 Drift and coarse drift, wash, brown silt.
13	15	11	182.5	0.22	0.57	52.1	45.0	14.8-15.0 Light grey clay.
15	17	14	102.2	0.04	0.06	3.4	3.4	15.0-21.0 Drift, grey-brown silts common.
17	19	16.5	90.0	0.04	0.05	3.1	3.1	21.0-22.0 Impure grey silty clay.
19	21	15	107.7	0.02	0.03	2.1	2.4	22.0-22.8 Drift, grey silts, coarse sand.
21	23	11.5	111.7	0.05	0.08	6.9	6.3	22.8-25.0 Grey silty clays quickly grading to brown clays with some wood.
23	25	12	83.5	0.05	0.06	5.0	4.7	
25	27	16.5	126.7	0.05	0.09	5.5	5.5	25.0-27.6 white silty drift, large drift, sand.
27	29	14	131.2	0.05	0.09	6.7	7.4	Clay layer at 27.5m.
29	31	12	106.1	0.08	0.12	10.1	9.5	27.6-28.7 Brown clays.
31	33	11	157.7	0.09	0.20	18.4	15.9	28.7-34.9 Brown silty drift and sand, -large drift present from 35m.
33	35	11	130.5	0.11	0.21	18.7	16.1	
35	37	31	122.6	1.19	2.08	67.2	67.2	34.9-35.0 Brown silty clay.
								35.0-36.0 Granite basement-very thin weathered granite front. Hard rock eg. 36m.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-3 Very fine trace tin, ilmenite.
								3-7 Trace tin, ilmenite, monazite.
								7-11 Ilmenite, monazite.
								11-13 Small amount tin, ilmenite, monazite.
								13-23 Ilmenite, monazite.
								23-25 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....35.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....7.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....9.47.....g SnO2

Grade 2 at35.0.....m35.5.....g SnO2/m³

604083

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576942 mE 5459032 mN DRILLING METHOD Reverse HOLE No. ERC 22
 SURFACE R.L. 78.0 m BASEMENT R.L. 43.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 6/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								25-35 Ilmenite, monazite. 35-37 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 35 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 9.47 g SnO2 Grade 2 at 35.0 m 35.5 g SnO2/m³

604086

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575762 mE. 5458507 mN DRILLING METHOD Reverse HOLE No. ERC-23
 SURFACE R.L. 94.8 m BASEMENT R.L. 38.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	83.4	0.07	0.08	8.3	4.4	0-1.0 Humic gravel and drift.
3	5	9	105.2	0.04	0.06	6.7	4.7	1.0-3.0 Light grey slightly silty sand.
5	7	11	90.0	0.07	0.09	8.2	7.1	3.0-4.8 Light brown slightly silty clay.
7	9	10	89.6	0.04	0.05	5.1	4.0	4.8-5.7 Silty grey drift and coarse sand.
9	11	12	155.0	0.08	0.18	14.8	13.9	Layers of soft silty brown clay.
11	13	8	85.1	0.05	0.06	7.6	4.8	5.7-6.8 Dark brown silty coarse sand and small drift.
13	15	3	85.4	0.04	0.05	16.3	3.8	
15	17	8	132.2	0.07	0.13	16.5	10.4	6.8-7.0 Brown sandy clay.
17	19	12	142.8	0.06	0.12	10.2	9.6	7.0-7.3 Light grey silt.
19	21	9	88.2	0.03	0.04	4.2	3.0	7.3-13.0 Brown silty sand and small drift. White silty clay layers at 12; 12.4 m.
21	23	10	106.0	0.02	0.03	3.0	2.4	
23	25	16.5	145.7	0.05	0.10	6.3	6.3	13.0-15.0 Grey slightly silty soft clays, fine sand after 15 m.
25	27	13	88.1	0.03	0.04	2.9	3.0	
27	29	10	90.5	0.10	0.13	12.9	10.2	15.0-16.0 Light grey silty sand.
29	31	11	96.5	0.10	-	-	-	16.0-21.0 Light grey silty sand, drift.
31	33	15	110.0	0.03	0.05	3.1	3.7	21.0-21.2 Soft brown clay.
33	35	16	85.0	0.02	0.02	1.5	1.5	21.2-22.5 Dark brown organic clays.
35	37	11	86.7	0.05	0.06	5.6	4.9	22.5-24.0 Drift, grey silts, coarse sand, thin soft grey clay layers.
37	39	11.5	88.8	0.03	0.04	3.3	3.0	
39	41	12	118.0	0.02	0.03	2.8	2.7	24.0-31.2 Drift, brown silts, coarse sand, thin soft brown clay layers, -sometimes with organic matter.
41	43	14.5	78.6	0.02	0.02	1.6	1.8	
43	45	16	111.3	0.01	-	-	-	
45	47	13.5	89.6	0.02	0.03	1.9	2.0	31.2-34.7 Dark brown silts.
47	49	14	99.7	0.01	-	-	-	34.7-36.7 Light grey clay.
49	51	11	80.7	0.03	0.03	3.1	2.7	36.7-37.0 Drift, coarse sand, brown silt, layers of grey-brown clay.
51	53	4	94.3	0.25	0.34	84.2	26.4	
53	55	8	84.0	0.19	0.23	28.5	17.9	37.0-39.5 Medium grey tenaceous clays..
55	57	7	110.2	3.48	5.48	782.6	430.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 56.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement - litres

Grade 1 at - m - g SnO2/m³

Total recovered tin 7.66 g SnO2

Grade 2 at 56.0 m 2.14 g SnO2/m³

604087

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575762 mE 5458507 mN DRILLING METHOD Reverse HOLE No. ERC. 23
 SURFACE R.L. 94.8 m BASEMENT R.L. 38.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	5	94.6	0.12	0.16	32.4	12.7	39.5-41.0 Brown gritty clays and layers of brown silty sands and drifts.
								41.0-42.5 Drift, brown silts, sand.
								42.5-51.0 Soft light grey clay becoming more tenaceous with depth.
								51.0-51.2 Brown silts.
								51.2-53.0 Drift, yellow silts, small wash.
								53.0-54.5 Drift, brown-yellow silts, small wash.
								54.5-56.0 Grey silty drift and sand, grey silty clay layers eg 55.4; 55.7; 55.9 m.
								56.0-59.0 Decomposed granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-29 Ilmenite, monazite.
								29-51 Pyrite.
								51-55 Fine trace tin, ilmenite, monazite.
								55-57 Small amount coarse tin, pyrite.
								57-59 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 56.0 m

Total recovered volume, surface to basement 7.66 litres

Total recovered tin 7.66 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 56.0 m 21.4 g SnO2/m³

Grade 2 at 56.0 m 21.4 g SnO2/m³

604088

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575800 mE 5458390 mN DRILLING METHOD Reverse HOLE No. ERC-24
 SURFACE R.L. 93.4 m BASEMENT R.L. 38.9 m CUTTING SHOE/ THEORETICAL Circulation PAGE 1 of 2
 BIT DIAMETER 100 mm VOLUME 15.92 litres
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	8	103.7	0.05	0.07	9.3	3.8	0-1.0 Grey sand,
3	5	6	91.9	0.03	0.04	6.6	3.1	1.0-1.5 Yellow gritty clays.
5	7	9	88.4	0.07	0.09	9.8	6.9	1.5-4.5 Yellow brown silty gritty sands.
7	9	13	103.4	0.06	0.09	6.8	7.0	4.5-9.0 Brown silts, drift and coarse sand.
9	11	4	88.2	0.06	0.08	18.9	5.9	9.0-12.6 Light-grey to light brown silty sands and silty clays.
11	13	9	77.2	0.11	0.12	13.5	9.5	
13	15	8	135.7	0.09	0.17	21.8	13.7	12.6-15.2 Light-grey to light brown silty sands and silty clays, drift.
15	17	10	86.8	0.02	0.02	2.5	1.9	
17	19	12.5	199.0	B.L.D.	-	-	-	15.2-16.5 Grey clay-pure.
19	21	9	91.8	0.04	0.05	5.8	4.1	16.5-28.5 Brown silts, sand, drift.
21	23	16	108.6	0.03	0.05	2.9	2.9	28.5-29.0 Brown silts, sand, drift, occasional clay layers.
23	25	16	91.2	0.04	0.05	3.3	3.3	
25	27	12	85.8	0.04	0.05	4.1	3.9	29.0-31.0 Light grey drift and coarse sands,
27	29	14	80.0	0.14	0.16	11.4	12.6	31.0-34.0 Dark brown silts, drift and coarse sands.
29	31	30	86.3	0.15	0.18	6.2	6.2	34.0-36.0 Light brown silts, drift and coarse sands.
31	33	11.5	83.1	0.03	0.04	3.1	2.8	36.0-37.0 Brown impure clays.
33	35	12	102.6	0.12	0.18	14.7	13.8	37.0-46.0 Dark brown drift, sand, silt. Occasional clay layers.
35	37	13	75.7	0.04	-	-	-	
37	39	9	113.3	0.04	0.06	7.2	5.1	46.0-47.8 Grey silty drift, coarse sand.
39	41	16	88.0	0.07	0.09	8.8	6.9	47.8-49.6 Dark grey tenaceous pure clays, minor wood.
41	43	15	100.7	0.07	0.10	6.7	7.9	
43	45	12	114.0	0.02	0.03	2.7	2.6	49.6-50.0 Yellow very silty drift, minor clay.
45	47	15.5	86.9	0.08	0.10	6.4	6.4	50.0-52.0 Light grey silt, coarse sand, wash drift
47	49	20	104.0	0.03	0.04	2.2	2.2	52.0-54.5 Yellow-brown silts, medium wash, some ferricrete.
49	51	8	91.4	0.19	0.25	31.0	19.5	
51	53	8	85.9	0.23	0.28	35.3	22.2	54.5-59.0 Decomposed granite basement.
53	55	9.5	87.6	0.67	0.84	88.3	65.8	
55	57	5.5	116.2	0.23	0.38	69.4	30.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 54.5 m

Total recovered volume, surface to basement 7 litres

Total recovered tin 3.71 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 54.5 m 10.2 g SnO2/m³

Grade 2 at 54.5 m 10.2 g SnO2/m³

604080

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575800 mE 5458390 mN DRILLING METHOD Reverse HOLE No. ERC. 24
 SURFACE R.L. 93.4 m BASEMENT R.L. 38.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	6	83.3	0.07	0.08	13.9	6.5	Sample Washer's Heavy Mineral Descriptions:
								0-15 Ilmenite, monazite.
								15-21 Pyrite.
								21-23 Ilmenite, monazite.
								23-29 Pyrite, ilmenite.
								29-39 Ilmenite, monazite.
								39-41 Ilmenite, monazite, pyrite.
								41-49 Ilmenite, monazite.
								49-51 Fine trace tin, pyrite.
								51-53 Fine trace tin, ilmenite, monazite.
								53-55 Fine trace tin, ilmenite, pyrite.
								55-57 Ilmenite, monazite, pyrite.
								57-59 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 54.5 m

Total recovered volume, surface to basement 1.0 litres

Total recovered tin 3.71 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 10.2 m g SnO2/m³

Grade 2 at 54.5 m 10.2 g SnO2/m³

604090

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575951 mE 5458478 mN DRILLING METHOD Reverse HOLE No. ERC. 25
 SURFACE R.L. 89.9 m BASEMENT R.L. 37.4 m CUTTING SHOE/ THEORETICAL Circulation PAGE 1 of 2
 BIT DIAMETER 100 mm VOLUME 15.92 litres
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 17/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5.5	121.0	0.06	0.10	18.9	5.4	0-4.0 Coarse sands and silts.
3	5	8	126.3	0.08	0.14	18.0	11.3	4.0-9.0 Stiff ochre clays and grey clays; minor sands.
5	7	6	100.5	0.02	0.03	4.8	2.3	9.0-11.0 Ochre silts; minor coarse sand.
7	9	6	187.6	0.02	0.05	8.9	4.2	
9	11	7	108.8	0.02	0.03	4.4	2.4	11.0-13.0 Medium-coarse sands.
11	13	13.5	91.8	0.05	0.07	4.9	5.2	13.0-17.0 Fine-medium sands, minor clays.
13	15	12	102.8	0.04	0.06	4.9	4.6	17.0-18.5 Medium-coarse sands.
15	17	10.5	104.2	0.06	0.09	8.5	7.0	18.5-19.0 Stiff grey clays.
17	19	9.5	83.0	0.02	0.02	2.5	1.9	19.0-20.0 Stiff dark brown clays and wood fragments; minor silts.
19	21	9	136.2	0.01	-	-	-	
21	23	13.5	112.4	0.09	0.14	10.7	11.3	20.0-26.0 Fine-medium sands; minor coarse sands.
23	25	18	98.4	0.07	0.10	5.5	5.5	26.0-30.6 Medium-sands; some small wash; minor fine sands.
25	27	13.5	94.0	0.06	0.08	6.0	6.3	
27	29	14	106.9	0.72	1.10	78.5	86.3	30.6-34.5 Stiff clays, silty clays.
29	31	13	73.6	0.04	0.04	3.2	3.3	34.5-37.5 Medium sands; some small wash; minor fine and coarse sands.
31	33	6	83.4	0.03	0.04	6.0	2.8	
33	35	9	99.1	0.03	0.04	4.7	3.3	37.5-44.0 Stiff grey clays; minor sands; minor brown clays.
35	37	14	133.2	0.20	0.38	27.2	29.9	
37	39	12.5	89.1	0.05	0.06	5.1	5.0	44.0-47.0 Clays and clayey silts; minor coarse sand and small wash.
39	41	14.5	84.0	0.05	0.06	4.1	4.7	
41	43	7	81.0	0.02	0.02	3.3	1.8	47.0-50.5 Fine-medium sands; some small wash; minor coarse sand.
43	45	9	85.8	0.03	0.04	4.1	2.9	
45	47	11	72.3	1.02	1.05	95.8	82.7	50.5-52.5 Grey clays fine-medium sands; minor wash
47	49	4	80.4	0.18	0.21	51.7	16.2	
49	51	3.5	87.6	0.16	0.20	57.2	15.7	52.5-57.0 Granite.
51	53	5	94.4	0.19	0.26	51.3	20.1	
53	55	6	91.2	0.10	0.13	21.7	10.2	0-19 Ilmenite, monazite.
55	57	5	87.9	0.06	0.08	15.1	5.9	19-21 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 4.63 g SnO2

Grade 2 at 52.5 m 13.75 g SnO2/m³

60409

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575951 mE. 5458478 mN DRILLING METHOD Reverse HOLE No. ERC. 25
 SURFACE R.L. 89.9 m BASEMENT R.L. 37.4 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. More ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 17/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								21-27 Ilmenite, monazite.
								27-33 Fine trace tin, ilmenite, monazite.
								33-35 Pyrite.
								35-37 Ilmenite, monazite.
								37-39 Pyrite.
								39-41 Ilmenite, monazite.
								41-43 Pyrite.
								43-47 Ilmenite, monazite.
								47-51 Ilmenite, pyrite.
								51-53 Trace coarse tin, pyrite.
								53-57 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 52.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 4.63 g SnO2 Grade 2 at 52.5 m 13.75 g SnO2/m³

604092

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Endurance..Leads COLLAR CO-ORDINATES.....576096.....mE. 5458521.....mN DRILLING METHOD..Reverse..... HOLE No....ERC...26...
 SURFACE R.L.....88.4.....m BASEMENT R.L.....33.9.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100..mm..... VOLUME.....15.92.....litres PAGE.....1.....of.....2...
 DRILLER..R..Miller..... SAMPLE WASHER..S..Moore..... ASSAY METHOD.....XRF..... GEOLOGIST...S..Douglas..... DATE..17/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	6	89.2	0.04	0.05	8.5	2.7	0-2.0 Coarse sands and brown silts.
3	5	8.5	83.6	0.03	0.04	4.2	2.8	2.0-3.0 Stiff ochre clays.
5	7	5.5	101.0	0.02	0.03	5.3	2.3	3.0-9.0 Silty dark brown clays and silts.
7	9	10	84.6	0.04	0.05	4.8	3.8	9.0-11.5 Light ochre silty clays and clayey silts.
9	11	1	82.1	0.04	0.05	46.9	3.7	11.5-13.0 Fine sands; minor coarse sands and clays.
11	13	7	80.5	0.04	0.05	6.6	3.6	13.0-17.0 Clayey silts and silty clays; wood
13	15	1.5	87.5	0.01	-	-	-	fragments.
15	17	1	86.7	0.02	0.02	24.8	1.9	17.0-19.0 Stiff brown clays and clayey silts.
17	19	3	89.4	0.01	-	-	-	19.0-20.0 White silty clay.
19	21	10	81.5	0.10	0.13	42.6	10.0	20.0-36.5 Medium-coarse sand and small wash; some
21	23	13	96.0	0.22	0.30	23.2	23.7	birdseye; minor fine sands and clays.
23	25	15	88.7	0.33	0.42	27.9	32.8	36.5-38.5 Stiff white clays and clayey silts;
25	27	14	75.4	0.18	0.19	13.9	15.2	minor wash.
27	29	15.5	84.1	0.06	0.07	4.7	5.7	38.5-43.0 Medium coarse sands; minor fine sands
29	31	12.5	98.7	0.22	0.31	24.8	24.4	and stiff clay.
31	33	12.5	84.0	0.65	0.78	62.4	61.2	43.0-45.0 Fine-medium sands; minor coarse sands.
33	35	13	80.0	1.56	1.78	137.1	139.9	45.0-47.0 Medium-coarse sands and wash.
35	37	8	80.0	0.72	0.82	102.9	64.6	47.0-52.0 Fine-medium sands, wash; minor grey clays.
37	39	13.5	81.5	0.09	0.10	7.8	8.2	52.0-54.8 Small wash and sandstone chips with
39	41	16	97.3	0.07	0.10	6.1	6.1	grey clays.
41	43	11	90.9	0.01	-	-	-	54.8-59.0 Granite.
43	45	20	83.1	0.12	0.14	7.1	7.1	
45	47	12	83.2	0.81	0.96	80.2	75.6	<u>Sample Washer's Heavy Mineral Descriptions:</u>
47	49	8	81.9	0.14	0.16	20.5	12.9	
49	51	5.5	74.8	0.12	0.13	23.3	10.1	0-9 Trace ilmenite.
51	53	6.5	96.7	0.11	0.15	23.4	11.9	9-15 Ilmenite, monazite.
53	55	7	121.6	0.03	0.05	7.4	4.1	15-19 Pyrite.
55	57	5	80.5	0.06	0.07	13.8	5.4	19-23 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....54.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....7.0.....g SnO2

Grade 2 at54.5.....m20.0.....g SnO2/m³

604093

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576096 mE 5458521 mN DRILLING METHOD Reverse HOLE No. ERC-26
 SURFACE R.L. 88.4 m BASEMENT R.L. 33.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 17/11/82

Section From To m m		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	5	85.8	0.04	0.05	9.8	3.9	23-37 Fine trace tin, ilmenite, monazite. 37-45 Ilmenite, monazite. 45-51 Fine trace tin, pyrite. 51-57 Trace coarse tin, pyrite. 57-59 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 54.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 7.0 litres Grade 1 at 54.5 m 20.0 g SnO2/m³
 Total recovered tin 7.0 g SnO2 Grade 2 at 54.5 m 20.0 g SnO2/m³

604094

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576353 mE 5458768 mN DRILLING METHOD Reverse HOLE No. ERG...27...
 SURFACE R.L. 88.0 m BASEMENT R.L. 23.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. More ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 17/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	16	85.6	0.06	0.07	4.6	3.8	0-2.5 Coarse sands and brown silts; minor grey silts.
3	5	8	111.4	0.02	0.03	4.0	2.5	
5	7	8	87.6	0.09	0.11	14.1	8.8	2.5-3.5 Stiff ochre silty clays.
7	9	7	116.0	0.08	0.13	18.9	10.4	3.5-7.0 Medium sands and brown silts; minor clays.
9	11	11	105.8	0.05	0.08	6.9	5.9	
11	13	14	89.2	0.07	0.09	6.4	7.0	7.0-8.0 Fine sands and silts; clays.
13	15	12	92.4	0.02	0.03	2.2	2.1	8.0-9.5 Oily black silts and medium sands.
15	17	10	92.0	0.02	0.03	2.6	2.1	9.5-23.0 Fine-medium sands; minor coarse sand and clays.
17	19	12	88.7	0.10	0.13	10.6	10.0	
19	21	13	90.5	0.15	0.19	14.9	15.2	23.0-25.0 Medium-coarse sands, some small wash, birdseye; minor clays.
21	23	12	86.4	0.28	0.35	28.8	27.1	
23	25	10.5	76.3	0.67	0.73	69.6	57.3	25.0-31.0 Fine-medium sands and white silty clays; minor coarse sands.
25	27	14	85.5	0.23	0.28	20.1	22.1	
27	29	11	84.1	0.26	0.31	28.4	24.5	31.0-33.0 Stiff clays with bands of coarse sands.
29	31	12	88.7	0.06	0.08	6.3	6.0	33.0-39.0 Medium-coarse sands, small wash; minor clays.
31	33	14	84.6	0.78	0.94	67.3	74.0	
33	35	10	101.7	2.98	4.33	433.0	340.0	39.0-40.0 White clayey silts and fine sands; minor coarse sands and clays.
35	37	11	86.8	0.95	1.18	107.1	92.5	
37	39	14	90.0	0.18	0.23	16.5	18.2	40.0-47.0 Coarse sand and small wash; some birds-eye; minor fine sands and silts.
39	41	14	116.5	0.30	0.50	35.7	39.2	
41	43	15	96.9	1.32	1.83	121.8	143.4	47.0-50.5 Large wash and ochre silts, coarse sands minor clays.
43	45	15	90.9	1.22	1.58	105.6	124.4	
45	47	10	92.0	0.26	0.34	34.2	26.8	50.5-51.5 Fine sands and silts.
47	49	8	99.0	0.15	0.21	26.5	16.7	51.5-53.0 Coarse sand and sandstone wash in ochre silts.
49	51	9	99.3	0.24	0.34	37.8	26.7	
51	53	16	87.7	0.07	0.09	5.5	5.5	53.0-54.0 Fine sands and clayey silts.
53	55	18	106.9	0.06	0.09	5.1	5.1	54.0-57.0 Medium to coarse sands and wash; minor clays.
55	57	6	85.5	0.06	0.07	12.2	5.8	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 64.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 19.68 g SnO2

Grade 2 at 64.8 m 47.68 g SnO2/m³

604095

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576353 mE 5458768 mN DRILLING METHOD Reverse HOLE No. ERG...27...
 SURFACE R.L. 88.0 m BASEMENT R.L. 23.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 17/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	9.5	85.3	0.02	0.02	2.6	1.9	57.0-59.5 Grey clays with coarse sand and wash.
59	61	10	81.0	0.05	0.06	5.8	4.5	59.5-64.8 Coarse sand and wash with grey and grey-blue clays; some birdseye.
61	63	8	143.5	0.15	0.31	38.4	24.1	64.8-69.0 Granite.
63	65	12	143.8	2.30	4.72	393.7	370.9	
65	67	8	99.2	0.05	0.07	8.9	5.6	<u>Sample Washer's Heavy Mineral Descriptions:</u>
67	69	8	88.3	0.10	0.13	15.8	9.9	
								0-21 Ilmenite, monazite.
								21-23 Fine trace tin, ilmenite, monazite.
								23-29 Trace tin, ilmenite, monazite.
								29-33 Ilmenite, monazite.
								33-35 Small amount tin, ilmenite, monazite.
								35-39 Fine trace tin, ilmenite, monazite.
								39-47 Trace tin, ilmenite, monazite.
								47-51 Fine trace tin, ilmenite, monazite.
								51-55 Fine trace tin, ilmenite, pyrite.
								55-69 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 64.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 19.68 litres

Grade 1 at 64.8 m 47.58 g SnO2/m³

Total recovered tin 19.68 g SnO2

Grade 2 at 64.8 m 47.58 g SnO2/m³

604096

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Endurance Leads COLLAR CO-ORDINATES: 576300 mE 5458839 mN DRILLING METHOD: Reverse HOLE No. ERC 28
 SURFACE R.L. 86.5 m BASEMENT R.L. 31.5 m CUTTING SHOE/ BIT DIAMETER: 100 mm THEORETICAL VOLUME: 15.92 litres Circulation
 DRILLER: R. Miller SAMPLE WASHER: S. Moore ASSAY METHOD: XRF GEOLOGIST: S. Douglas DATE: 17/11/82
 PAGE: 1 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	7	81.7	0.12	0.14	20.0	7.3	0-1.5 Coarse sands and black silts.
3	5	11	90.6	0.07	0.09	8.2	7.1	1.5-5.0 Medium-coarse sands and ochre silts;
5	7	8	113.6	0.06	0.10	12.2	7.6	minor clays.
7	9	8	100.0	0.07	0.10	12.5	7.9	5.0-8.5 Fine-medium sands; brown and grey silts;
9	11	9	97.1	0.07	0.10	10.8	7.6	minor clays.
11	13	9	89.6	0.03	0.04	4.3	3.0	8.5-11.0 Dark brown oily silts and medium sands.
13	15	6	95.4	0.02	0.03	4.5	2.1	11.0-14.5 Medium-coarse sands and brown silts.
15	17	7	85.5	0.13	0.16	22.7	12.5	14.5-17.0 Medium-coarse sands; some small wash.
17	19	10	92.7	0.06	0.08	8.0	6.2	17.0-18.0 Silty clays and white clayey silts.
19	21	11	90.7	0.21	0.27	24.7	21.4	18.0-31.0 Medium-coarse sands; small wash and
21	23	10	81.4	0.94	1.09	109.3	85.8	birdseye.
23	25	14.5	88.3	0.08	0.10	7.0	7.9	31.0-35.0 Wash and coarse sands; some birdseye;
25	27	16	86.9	0.07	0.09	5.4	5.4	minor silts.
27	29	17	107.8	0.15	0.23	13.6	13.6	35.0-35.8 Stiff silty grey and ochre clays.
29	31	16	86.5	0.72	0.89	55.6	55.6	35.8-39.0 Fine-medium sands; some coarse sands and
31	33	9	109.8	0.34	0.53	59.3	41.9	silts.
33	35	13	97.6	2.08	2.90	223.1	227.6	39.0-45.0 Medium-coarse sand; wash with birdseye;
35	37	15	108.0	0.20	0.31	20.6	24.2	minor clays and silts.
37	39	20	84.2	0.31	0.37	18.6	18.6	45.0-47.0 Medium-coarse sands; sandstone chips;
39	41	20	106.7	0.23	0.35	17.5	17.5	small wash.
41	43	16	87.7	1.25	1.57	97.9	97.9	47.0-48.5 Ochre-grey clayey silts.
43	45	8	87.9	1.11	1.39	174.2	109.4	48.5-51.0 Medium-coarse sands, small wash; birds-
45	47	4.5	95.5	0.18	0.25	54.6	19.3	eye.
47	49	14	81.0	1.04	1.20	86.0	94.5	51.0-54.0 Sandstone chips and coarse sands; minor
49	51	15	82.3	0.22	0.26	17.2	20.3	wash and silts.
51	53	6	83.6	0.05	0.06	10.0	4.7	54.0-54.5 Ochre silty clays and clayey silts.
53	55	13	82.3	0.08	0.09	7.2	7.4	54.5-55.0 Grey and grey blue clays, sandstone chips
55	57	65	80.3	1.23	1.41	21.7	21.7	and wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 55.0 m

Total recovered volume, surface to basement 7 litres

Total recovered tin 14.2 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 55.0 m g SnO2/m³

Grade 2 at 55.0 m 34.90 g SnO2/m³

604097

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Endurance Leads COLLAR CO-ORDINATES... 576300 mE... 5458839 mN DRILLING METHOD... Reverse..... HOLE No... ERC... 28...

SURFACE R.L. 86.5 m BASEMENT R.L. 31.5 m CUTTING SHOE/ BIT DIAMETER... 100mm THEORETICAL Circulation VOLUME... 15.92 litres PAGE 2 of 2

DRILLER... R. Miller..... SAMPLE WASHER... S. Moore... ASSAY METHOD... XRF..... GEOLOGIST... S. Douglas..... DATE 17/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								55.0-57.0 Granite.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-21 Ilmenite, monazite.
								21-33 Trace tin, ilmenite, monazite.
								33-35 Small amount tin, ilmenite, monazite.
								35-41 Fine trace tin, ilmenite, monazite.
								41-47 Ilmenite, monazite.
								47-51 Trace tin, ilmenite, monazite.
								51-55 Pyrite, ilmenite.
								55-57 Fine tin, pyrite, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 55.0 m Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres Grade 1 at m g SnO2/m³

Total recovered tin... 14.2 g SnO2 Grade 2 at... 55.0 m... 34.90 g SnO2/m³

60409S

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576636 mE 5458939 mN DRILLING METHOD Reverse HOLE No. ERC-29
 SURFACE R.L. 81.0 m BASEMENT R.L. 32.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 12.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 18/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	4	85.9	0.15	0.18	46.0	9.6	0-6.0 Coarse sands and black silts.
3	5	.5	86.6	0.05	0.06	123.7	4.9	6.0-14.0 Fine sands and light brown silts.
5	7	.5	88.1	0.01	-	-	-	14.-16.0 Fine-medium sands.
7	9	9	80.2	0.11	0.13	14.0	9.9	16.0-19.0 Medium-coarse sands; small wash, minor clay and silts.
9	11	9	81.4	0.12	0.14	15.5	11.0	
11	13	8	76.1	0.04	0.04	5.4	3.4	19.0-20.8 Fine-medium sands, minor coarse sands.
13	15	9	86.6	0.03	0.04	4.1	2.9	20.8-22.0 Stiff white clays.
15	17	12	83.5	0.04	0.05	4.0	3.8	22.0-25.0 Medium-coarse sands.
17	19	11	105.0	0.19	0.29	25.9	22.4	25.0-31.0 Fine-medium sands.
19	21	9	90.7	0.15	0.19	21.6	15.3	31.0-33.0 Black silts and coarse sands.
21	23	13	99.8	0.08	0.11	8.8	9.0	33.0-35.0 Medium sands with wash; minor clays.
23	25	5	88.0	0.03	0.04	7.5	3.0	35.0-40.0 Coarse sands and wash, some birdseye.
25	27	2	84.2	0.04	0.05	24.1	3.8	40.0-40.5 Fine-medium sands; some birdseye and small wash.
27	31	9	92.0	0.04	0.05	5.8	4.1	
31	33	8	104.2	0.01	-	-	-	40.5-41.0 Ochre clays.
33	35	8	82.5	0.09	0.11	13.3	8.3	41.0-43.0 Medium-coarse sands and wash.
35	37	10	82.9	0.01	-	-	-	43.0-47.0 Fine sands; some wash and birdseye; minor coarse sand.
37	39	23	75.5	0.20	0.22	9.4	9.4	
39	41	17	76.8	0.70	0.77	45.2	45.2	47.0-48.5 Coarse sands and wash.
41	43	23.5	88.4	0.88	1.11	47.3	47.3	48.5-50.0 Weathered granite grading to rock.
43	45	5	93.7	0.32	0.43	71.4	33.6	Sample Washer's Heavy Mineral Descriptions:
45	47	18	93.1	4.21	5.60	311.1	311.1	
47	49	15	84.0	8.79	10.55	703.2	827.9	0-3 Fine trace tin, ilmenite.
49	50	44	see sizing results		11.08	251.8	251.8	3-37 Ilmenite, monazite.
								37-39 Fine trace tin, ilmenite, monazite.
								39-41 Ilmenite, monazite.
								41-45 Trace tin, ilmenite, monazite.
								45-49 Small amount tin, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 40.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 at m g SnO2/m³

Total recovered tin.....31.23 g SnO2

Grade 2 at 48.5 m 68.36 g SnO2/m³

604099

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576636 mE. 5458939 mN DRILLING METHOD Reverse HOLE No. ERC. 29
 SURFACE R.L. 81.0 m BASEMENT R.L. 32.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 18/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								49-50 Tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 48.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 31.23 litres Grade 1 at 48.5 m 68.36 g SnO2/m³
 Total recovered tin 31.23 g SnO2 Grade 2 at 48.5 m 68.36 g SnO2/m³

604100

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole ERC. 29

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>49 - 50</u>					
	plus 22	.71	1.50	13.54	13.54
SAMPLE VOLUME <u>44.0 l</u>	plus 30	.5	2.92	26.36	39.90
GRADE <u>251.8 g/lm³</u>	plus 60	.25	2.50	22.57	62.47
TOTAL GRAMS OF SnO₂ <u>11.077</u>	plus 120	.125	3.79	34.22	96.69
	minus 120		0.36	3.25	99.94
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO₂ _____	plus 120	.125			
	minus 120				

604101

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576248 mE 5458568 mN DRILLING METHOD Reverse HOLE No. ERC 30
 SURFACE R.L. 83.8 m BASEMENT R.L. 23.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 12.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 18/11/82
 PAGE 1 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	12	74.3	0.17	0.18	15.0	9.4	0-0.5 Grey gritty topsoil.
3	5	7	89.1	0.09	0.11	16.4	9.0	0.5-3.0 Yellow brown silty grits.
5	7	8	82.2	0.15	0.18	22.0	13.8	3.0-5.0 Bright yellow drift, coarse sand, silt.
7	9	8	80.7	0.05	0.06	7.2	4.5	5.0-7.0 Dark brown silt, coarse sand, drift.
9	11	10	86.4	0.09	0.11	11.1	8.7	7.0-10.0 Medium-dark brown silt, coarse sand, drift.
11	13	2.5	93.0	0.04	0.05	21.3	4.2	10.0-13.0 Light grey silt, coarse sand, drift.
13	15	8	128.4	0.05	0.09	11.5	7.2	13.0-16.0 White slightly sandy silt.
15	17	16	85.6	0.15	0.18	11.5	11.5	16.0-20.0 Light grey silty coarse sand and drift.
17	19	14	90.0	0.21	0.27	19.3	21.3	20.0-20.3 Small wash, coarse drift horizon.
19	21	15.5	93.5	0.86	1.15	74.1	90.2	20.3-29.0 As for 16-20, small angular wash coming
21	23	16	79.7	0.65	0.74	46.3	46.3	in from 25 m.
23	25	11	92.9	0.17	0.23	20.5	17.7	29.0-36.0 Small to medium wash, light grey silts,
25	27	13.5	98.4	0.06	0.08	6.3	6.6	sand and coarse drift.
27	29	14	82.7	0.70	0.83	59.1	64.9	36.0-37.0 Grey silty clay.
29	31	13	87.1	0.82	1.02	78.5	80.1	37.0-43.0 Drift, coarse sand, grey silt, small
31	33	10.5	100.0	0.16	0.23	21.8	17.9	wash from 38 m.
33	35	9	82.6	0.15	0.19	21.0	14.8	43.0-46.5 Drift, coarse sand, light brown silt.
35	37	10.5	106.7	0.09	0.14	13.1	10.8	wash.
37	39	16	84.3	0.24	0.29	18.1	18.1	46.5-60.0 Medium grey interstitial silts, and clays
39	41	15	86.9	0.91	1.13	75.3	88.7	binding wash (sometimes large) angular
41	43	11	93.4	1.21	1.61	146.8	126.7	drift and sand. Layers of coarse drift.
43	45	5.5	81.3	0.22	0.26	46.5	20.1	Indurated dark sandstone boulder at 56 m.
45	47	15	86.4	0.17	0.21	14.0	16.5	Brown clays at 52 m. Grey-green clay 58 m,
47	49	16	105.7	0.04	0.06	3.8	3.8	pure in layers.
49	51	10.5	101.7	0.08	0.12	11.1	9.1	60.0-63.0 Decomposed granite basement.
51	53	16	104.5	0.04	0.06	3.7	7.5	
53	55	9.5	136.7	0.01	-	-	-	
55	57	11	139.4	0.01	-	-	-	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 60.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 9.09 litres

Grade 1 at 60.0 m 25 g SnO2/m³

Total recovered tin 9.09 g SnO2

Grade 2 at 60.0 m 25 g SnO2/m³

604102

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576248 mE 5458568 mN DRILLING METHOD Reverse HOLE No. ERC-30
 SURFACE R.L. 83.8 m BASEMENT R.L. 23.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 12.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 18/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	10	92.9	0.12	0.16	15.9	12.5	<u>Sample Washer's Heavy Mineral Descriptions:</u>
59	61	11	83.2	0.03	0.04	3.2	2.8	
61	63	9	103.4	0.01	-	-	-	
								0-3 Trace tin, ilmenite, monazite.
								3-7 Ilmenite, monazite.
								7-9 Trace tin, ilmenite, monazite.
								9-19 Ilmenite, monazite.
								19-23 Fine trace tin, ilmenite, monazite.
								23-25 Ilmenite, monazite.
								27-35 Fine trace tin, ilmenite, monazite.
								35-39 Ilmenite, monazite.
								39-43 Trace tin, ilmenite, monazite.
								43-45 Fine trace tin, ilmenite, pyrite.
								45-63 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 60.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 9.09 litres

Grade 1 at 60.0 m 25 g SnO2/m³

Total recovered tin 9.09 g SnO2

Grade 2 at 60.0 m 25 g SnO2/m³

604103

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576170 mE. 5458545 mN DRILLING METHOD Reverse HOLE No. ERC. 31
 SURFACE R.L. 86.0 m BASEMENT R.L. 24.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 18/11/82 PAGE 1 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	85.3	0.03	0.04	3.6	1.9	0-3.0 Mottled white-light brown impure clays.
3	5	7	104.3	0.01	-	-	-	3.0-5.0 Dark brown silts, small drift, coarse sand.
5	7	5.5	85.2	0.01	-	-	-	5.0-9.0 Mottled yellow-light yellow-white slightly silty clay.
7	9	7	100.0	0.04	0.06	8.2	4.5	9.0-11.0 Very gritty light brown clay, drift.
9	11	9	86.2	0.05	0.06	6.8	4.8	11.0-14.0 Light brown silt, drift, coarse sand. Occasional clay layers.
11	13	13	90.0	0.03	0.04	3.0	3.0	14.0-17.0 Light grey clayey silt, drift, coarse sand.
13	15	9	90.0	0.03	0.04	4.3	3.0	17.0-19.0 Impure silty grey clays, rare drift.
15	17	7	87.3	0.05	0.06	8.9	4.9	19.0-23.5 Drifts, coarse sand, grey silts.
17	19	12	88.6	0.11	0.14	11.6	10.9	23.5-24.2 Grey silty clay.
19	21	14.5	97.9	0.20	0.28	19.3	21.9	24.2-30.0 Light grey silts, and clays, coarse sand drift, coarse drift. Silty grey clay layers at 26.8, 27.2 m.
21	23	16.5	90.7	0.05	0.06	3.9	7.9	30.0-46.6 Light grey silts, and clays, coarse sand drift, coarse drift, wash, Tenaceous grey clay layer at 36-36.5 m.
23	25	13	95.0	0.14	0.19	14.6	14.9	46.6-48.2 As above but with brown silt.
25	27	13	96.6	0.19	0.26	20.2	20.6	48.2-48.5 Grey silt horizon.
27	29	12	99.4	0.13	0.18	15.4	14.5	48.5-49.0 As for 46.6-48.2 m.
29	31	17	80.0	0.30	0.34	20.2	20.2	49.0-51.0 Medium grey silts, drift sand wash (medium-large) 52.1-layer grey clay.
31	33	15	89.8	0.34	0.43	28.9	34.1	51.0-59.0 Change in character to wash (often large) drift and sand bound by interstitial grey silts or clays. Most large material angular.
33	35	10	85.1	0.33	0.40	40.1	31.5	
35	37	15.5	88.0	0.09	0.11	7.3	8.9	
37	39	16	101.8	0.06	0.09	5.5	5.5	
39	41	25	91.5	0.06	0.08	3.1	3.1	
41	43	16.5	89.5	0.03	0.04	2.3	2.3	
43	45	18	86.2	0.05	0.06	3.4	4.8	
45	47	9	102.9	0.10	0.15	16.3	11.5	
47	49	14	82.0	0.31	0.36	25.9	28.5	
49	51	11.5	80.2	0.10	0.11	10.0	9.0	
51	53	11	111.3	0.06	0.10	8.7	7.5	
53	55	3.5	107.2	0.03	0.05	13.1	3.6	
55	57	16	87.5	0.07	0.09	5.5	5.5	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 61.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g SnO2/m³

Total recovered tin 4.08 g SnO2

Grade 2 at 61.5 m 10 g SnO2/m³

604104

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 576170.....mE. 5458545.....mN DRILLING METHOD...Reverse..... HOLE No...EEC...31.....
 SURFACE R.L. 86.0.....m BASEMENT R.L. 24.5.....m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92.....litres CIRCULATION.....litres PAGE...2....of....2....
 DRILLER R. Miller..... SAMPLE WASHER S. More..... ASSAY METHOD XRF..... GEOLOGIST R. Munro..... DATE 18/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	11	116.8	0.02	0.03	3.0	2.6	59.0-61.0 As above with some greenish grey interstitial clays.
59	61	6	86.0	0.10	0.12	20.5	9.6	
61	63	11.5	116.2	0.03	0.05	4.3	3.9	61.0-61.5 Green-grey-brown very impure gritty clays.
63	65	14	86.6	0.04	0.05	3.5	3.9	61.5-63.0 Granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
0-19 Ilmenite, monazite.								
19-31 Fine trace tin, ilmenite, monazite.								
31-35 Trace tin, ilmenite, monazite.								
35-43 Ilmenite, monazite.								
43-45 Trace tin, ilmenite, monazite.								
45-49 Ilmenite, pyrite.								
49-65 Pyrite.								

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 61.5.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm..... g SnO2/m³
 Total recovered tin.....4.08.....g SnO2 Grade 2 at 61.5.....m..... 10..... g SnO2/m³

604105

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....576324.....mE.....5458592.....mN DRILLING METHOD.....Reverse..... HOLE No..ERC...32.....
 SURFACE R.L.....86.9.....m BASEMENT R.L.....28.8.....m CUTTING SHOE/ BIT DIAMETER.....100 mm..... THEORETICAL Circulation VOLUME.....15.92.....litres PAGE.....4.....of.....2.....
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD.....XRF..... GEOLOGIST R. Munro..... DATE 18/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	11	90.0	0.08	0.10	9.4	5.4	0-2.0 Brown gritty silt and clay.
3	5	6	105.9	0.01	-	-	-	2.0-3.0 Light brown to light yellow sand and silty grits.
5	7	6	87.8	0.03	0.04	6.3	3.0	
7	9	4	81.8	0.18	0.21	52.6	16.5	3.0-5.5 Light brown coarse silty coarsesands.
9	11	12	89.7	0.08	0.10	8.5	8.1	5.5-7.0 Silty light grey clay.
11	13	17	94.1	0.03	0.04	2.4	2.4	7.0-8.4 Silty light yellow clay.
13	15	11	114.0	0.02	0.03	3.0	2.6	8.4-9.0 Sand, drift, brown silt.
15	17	12	112.1	0.05	0.08	6.7	6.3	9.0-10.5 Brown-dark brown silty coarse sand and drift.
17	19	17	92.1	0.27	0.37	22.0	22.0	
19	21	9	94.9	0.71	0.96	107.0	75.6	10.5-14.0 Brown clays and silts, coarse sand, drift.
21	23	10.5	96.8	0.28	0.39	36.9	30.4	14.0-14.2 Light grey gritty clays.
23	25	13	95.7	0.64	0.87	67.3	68.7	14.2-15.0 Sand and brown silt, drift.
25	27	12	82.8	0.69	0.82	68.0	64.1	15.0-23.0 Sand and light grey silt and clay, drift.
27	29	12	103.9	0.66	0.98	81.6	76.9	23.0-38.4 Sand and light grey silt and clay, drift.
29	31	36	103.4	0.26	0.38	10.7	10.7	small wash, coarse drift. Wash getting larger with depth. Wash absent from some horizons.
31	33	7	85.2	0.19	0.23	33.0	18.2	
33	35	15	88.0	1.06	1.33	88.8	104.6	
35	37	13	88.4	0.12	0.15	11.7	11.9	38.4-38.7 Grey clay.
37	39	16	83.2	0.26	0.31	19.3	19.3	38.7-39.0 Silty sands.
39	41	17	87.5	0.10	0.13	7.4	7.4	39.0-40.0 Sand, drift light-medium grey silts.
41	43	15	98.0	0.17	0.24	15.9	18.7	41.0-45.0 Sand, drift light-medium grey silts, small-large wash.
43	45	12	98.8	0.06	0.08	7.1	6.7	
45	47	13	85.5	0.99	1.21	93.0	94.9	45.0-49.4 Sand drift light-medium brown silts, small-large wash.
47	49	12	82.4	0.65	0.77	63.8	60.1	
49	51	8	82.0	0.12	0.14	17.6	11.0	49.4-50.0 Sand, drift light-medium grey silty, small
51	53	13	97.6	0.03	0.04	3.2	3.3	-large wash, some grey clays.
53	55	8.5	94.6	0.02	0.03	3.2	2.1	50.0-58.1 Change in character to more angular wash (siltstones, quartz etc), angular drift.
55	57	12	81.9	0.02	0.02	2.0	1.8	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....58.1.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....10.....g SnO2

Grade 2 at58.1.....m26.....g SnO2/m³

604106

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Endurance Leads COLLAR CO-ORDINATES...576324.....mE.....5458592.....mN DRILLING METHOD...Reverse..... HOLE No...ERC...32...
 SURFACE R.L....86.9.....m BASEMENT R.L....28.8.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.2.....of.....2...
 DRILLER...R. Miller..... SAMPLE WASHER.....S. Moore ASSAY METHOD.....XRF..... GEOLOGIST...R. Munro..... DATE...18/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	12	136.9	0.02	0.04	3.3	3.1	Bound in grey clayey silts and common mottled grey white clays-very tenaceous. Occasional layers of drift, especially 56-57.
59	61	11	106.6	0.02	0.03	2.8	2.4	
61	63	8	85.3	0.03	0.04	4.6	2.9	
								58.1-63.0 Decomposed granite basement.
								<u>Sample washer's Heavy Mineral Descriptions:</u>
								0-3 No trace of mineral.
								3-7 Ilmenite, monazite.
								7-9 Trace tin, ilmenite, monazite.
								9-11 Ilmenite, monazite.
								11-13 Fine trace tin, ilmenite, monazite.
								13-21 Ilmenite, monazite.
								21-29 Fine trace tin, ilmenite, pyrite.
								29-45 Trace tin, ilmenite, monazite.
								45-47 Small amount tin, pyrite.
								47-49 Fine trace tin, ilmenite, monazite, pyrite.
								49-63 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...58.1.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....10.....g SnO2

Grade 2 at58.1.....m 26..... g SnO2/m³

G04107

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance...Leads COLLAR CO-ORDINATES...575731...mE...5458832...mN DRILLING METHOD...Reverse... HOLE No...ERC. 33
 SURFACE R.L...85.1...m BASEMENT R.L...33.1...m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100...mm VOLUME...15.92...litres PAGE...1...of...2...
 DRILLER...R. Miller... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF... GEOLOGIST...S. Douglas... DATE...3/12/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	17	89.7	0.03	0.04	2.2	2.0	0-5.0 Medium-coarse sands and brown silts.
3	5	12	139.4	0.01	-	-	-	5.0-12.5 Fine medium sands and brown silts;
5	7	9	84.3	0.01	-	-	-	minor coarse sands.
7	9	5	143.0	B.L.D.	-	-	-	12.4-13.0 Grey silty clays.
9	11	10	105.0	0.06	0.09	9.0	7.1	13.0-19.0 Silts and fine sands; minor coarse sands
11	13	10	166.5	0.02	0.05	4.8	3.8	19.0-24.0 Medium-coarse sands; minor fine sands.
13	15	11.5	83.8	0.03	0.04	3.1	2.8	24.0-24.5 Stiff white clays.
15	17	10	88.0	0.06	0.08	7.5	5.9	24.5-25.0 Fine-medium sands.
17	19	11.5	126.8	0.04	0.07	6.3	5.7	25.0-27.0 Stiff brown clays with wood fragments.
19	21	10.5	78.9	0.06	0.07	6.4	5.3	27.0-28.0 Stiff white clays and silts.
21	23	11.5	71.6	0.15	0.15	13.3	12.0	28.0-29.0 Medium sands with minor clays.
23	25	11.5	157.2	0.09	0.20	17.6	15.9	29.0-31.0 Stiff brown clays with bands of fine
25	27	10	123.3	0.02	0.04	3.5	2.8	sand.
27	29	9	90.8	0.04	0.05	5.8	4.1	31.0-34.0 Fine medium sands; minor coarse sands.
29	31	10	102.1	0.01	-	-	-	34.0-43.0 Stiff grey and brown clays; minor sands.
31	33	11	86.1	0.11	0.14	12.3	10.6	43.0-47.0 Fine sand and silts with minor wash
33	35	13	93.7	0.18	0.24	18.5	18.9	and coarse sand.
35	37	8	104.7	0.01	-	-	-	47.0-48.0 Fine-medium sands; minor clays and
37	39	14	127.8	0.02	0.04	2.6	2.9	coarse sands.
39	41	7.5	110.0	0.01	-	-	-	48.0-49.0 Coarse sand and small wash.
41	43	7.5	75.6	0.05	0.05	7.2	4.3	49.0-52.0 Fine-medium sand and small wash.
43	45	11.5	157.8	0.67	1.51	131.3	118.6	52.0-57.0 weathered granite.
45	47	18	61.8	0.73	0.64	35.8	35.8	Sample Washer's Heavy Mineral Descriptions:
47	49	19	125.3	0.21	0.38	19.8	19.8	
49	51	13	100.0	2.51	3.59	275.8	281.5	0-3 Very fine trace tin, ilmenite, monazite.
51	53	6	80.0	0.07	0.08	13.3	6.3	3-29 Ilmenite, monazite.
53	55	7	89.5	0.05	0.06	9.1	5.0	29-31 Pyrite.
55	57	8	115.8	0.03	0.05	6.2	3.9	31-33 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...52.0...m Grade from surface to inferred basement
 Total recovered volume, surface to basement... ...litres Grade 1 atm g SnO2/m³
 Total recovered tin...7.70...g SnO2 Grade 2 at...52.0...m...22.14...g SnO2/m³

604108

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575778 mE 5458901 mN DRILLING METHOD Reverse HOLE No. ERC- 34
 SURFACE R.L. 83.8 m BASEMENT R.L. 44.3 m CUTTING SHOE/ THEORETICAL CIRCULATION
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 3/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5	103.6	0.21	0.31	62.2	16.3	0-5.0 Coarse sands and light brown silts.
3	5	2	113.1	0.04	0.07	32.2	5.1	5.0-7.0 Fine-medium sands and brown silts.
5	7	8	90.6	0.06	0.08	9.7	6.1	7.0-13.0 Medium-coarse sands; some fine sands;
7	9	8	111.0	0.05	0.08	9.9	6.2	minor ochre clays.
9	11	9	80.5	0.01	-	-	-	13.0-17.0 Fine sands and white silts.
11	13	7	96.3	0.01	-	-	-	17.0-21.0 Fine-medium sands, some wash and silts;
13	15	13.5	121.4	0.04	0.07	5.1	5.4	minor clays.
15	17	12	94.5	0.06	0.08	6.8	6.4	21.0-21.5 Pale ochre clays.
17	19	10	109.0	0.10	0.16	15.6	12.2	21.5-25.0 Medium-coarse sands and small wash;
19	21	10.5	107.6	0.04	0.06	5.9	4.8	minor fine sands.
21	23	11	96.2	0.08	0.11	10.0	8.6	25.0-26.0 Fine sands and silts, minor coarse sands
23	25	16	102.0	0.03	0.04	2.7	2.7	and clays.
25	27	12	129.6	0.01	-	-	-	26.0-27.0 Stiff white clays; minor coarse sands
27	29	14	100.2	0.03	0.04	3.1	3.4	and wash.
29	31	11	93.5	0.11	0.15	13.4	11.5	27.0-27.5 Ochre clays; minor medium-coarse sands.
31	33	14	80.0	0.04	0.05	3.3	3.6	27.5-28.5 Stiff brown clays.
33	35	3	123.0	0.02	0.04	11.7	2.8	28.5-33.0 Medium-coarse sands; some small wash
35	37	9	93.4	0.05	0.07	7.4	5.2	and birdseye minor clays and fine sands.
37	39	13	80.0	0.02	0.02	1.8	1.8	33.0-37.0 Brown clays and silty clays with wood
39	41	44	148.9	0.05	0.11	2.4	2.4	fragments.
								37.0-39.5 Fine-medium sands.
								39.5-41.0 Granite-extremely fine grained.
								Sample washer's Heavy Mineral Descriptions:
								0-15 Ilmenite, monazite.
								15-25 Trace tin, ilmenite, monazite.
								25-27 Ilmenite, monazite.
								27-29 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 39.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 1.52 litres

Grade 1 at 39.5 m 5.7 g SnO2/m³

Total recovered tin 1.52 g SnO2

Grade 2 at 39.5 m 5.7 g SnO2/m³

604110

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance..Leads COLLAR CO-ORDINATES...57.5778.....mE.....54.58901.....mN DRILLING METHOD...Reverse..... HOLE No...ERC...34.....
 SURFACE R.L....83.8.....m BASEMENT R.L....44.3.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm..... THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE 2 of 2
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...3/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
								29-31 Ilmenite, monazite.
								31-33 Fine trace tin, ilmenite, monazite.
								33-41 Pyrite..

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...39.5.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g Sn02/m³
 Total recovered tin.....1.52.....g Sn02 Grade 2 at ...39.5.....m ...5.7.....g Sn02/m³

604111

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance Leads COLLAR CO-ORDINATES...575824...mE...5458964...mN DRILLING METHOD...Reverse HOLE No...ERC. 35
 SURFACE R.L...81.2...m BASEMENT R.L...56.9...m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm... VOLUME...15.92...litres PAGE...1...of...1...
 DRILLER...R. Miller... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF... GEOLOGIST...K. Munro... DATE...4/12/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	8	89.9	0.28	0.36	45.0	18.8	0-3.0 Brown slightly clayey coarse sands and grits.
3	5	11.5	122.8	0.01	-	-	-	
5	7	8	100.0	0.01	-	-	-	3.0-5.0 Dark brown silts, minor sand.
7	9	6	90.0	0.02	0.03	4.3	2.0	5.0-9.0 Light brown sand, silt, small amount of drift.
9	11	10	92.8	0.03	0.04	4.0	3.1	9.0-11.0 Medium brown sand, drift, soft clay.
11	13	10	81.8	0.08	0.09	9.3	7.3	11.0-13.0 Drift, white silts, coarse sand.
13	15	10	98.5	0.04	0.06	5.6	4.4	13.0-15.0 Coarse-medium drift, sand, light yellow silt, rare small wash.
15	17	8	117.9	0.07	0.12	14.7	9.3	15.0-17.0 Yellow silts, drift, sand, minor yellow clay.
17	19	10	96.2	0.04	0.05	5.5	4.3	
19	21	9	137.1	0.10	0.20	21.8	15.4	17.0-19.0 Light brown silty clays, drift, coarse sand.
21	23	12	94.6	0.06	0.08	6.8	6.4	19.0-21.0 Light yellow silts, minor drift.
23	25	8	84.4	0.01	-	-	-	21.0-24.3 Medium yellow-silts, drift.
25	27	3	129.0	0.01	-	-	-	24.3-25.5 Granite basement becoming rock by 25.5.
								Sample Washer's Heavy Mineral Descriptions:
								0-3 Fine trace tin, ilmenite, monazite.
								3-19 Ilmenite, monazite.
								19-23 Fine trace tin, ilmenite, monazite.
								23-27 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at...24.3...m

Grade from surface to inferred basement

Total recovered volume, surface to basement...litres

Grade 1 atm g SnO2/m³

Total recovered tin...1.03...g SnO2

Grade 2 at ...24.3...m 6.62...g SnO2/m³

604112

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575870 mE 5459025 mN DRILLING METHOD Reverse HOLE No. ERG-36
 SURFACE R.L. 83.7 m BASEMENT R.L. 38.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5	93.0	0.04	0.05	10.6	2.8	0-3.0 Topsoil, silty brown grit.
3	5	8	81.6	0.11	0.13	16.0	10.1	3.0-5.0 Slightly clayey brown silt, sand.
5	7	5	88.0	0.07	0.09	17.6	6.9	5.0-7.0 Coarse drift, brown silt.
7	9	10	89.2	0.07	0.09	8.9	7.0	7.0-9.0 Brown and yellow silty clays, minor drift and sand.
9	11	9	90.0	0.07	0.09	10.0	7.1	9.0-11.0 Off white to light grey silty clays, layers of drift and sand.
11	13	10	105.0	0.10	0.15	15.0	11.8	
13	15	10	95.2	0.23	0.31	31.3	24.5	11.0-13.0 Light yellow silts, sand, minor drift.
15	17	11.5	84.4	0.28	0.34	29.4	26.5	
17	19	10.5	138.3	0.21	0.41	39.5	32.6	13.0-19.0 Light grey silts, sand, minor drift, coarse drift from 15 m.
19	21	11	87.2	0.16	0.20	18.1	15.6	
21	23	10.5	95.6	0.34	0.46	44.2	36.5	19.0-21.0 Yellow silts, coarse drift, small wash.
23	25	11	123.5	0.11	0.19	17.6	15.2	21.0-25.0 Abundant yellow silt, drift, small wash (minor).
25	27	13	83.3	0.73	0.87	66.8	68.2	25.0-29.4 Abundant yellow silty clay, drift, small wash.
27	29	10	106.0	0.18	0.27	27.3	21.4	
29	31	13	93.4	0.28	0.37	28.7	29.3	29.4-29.6 Light brown to yellow impure silts.
31	33	17	84.6	0.24	0.29	17.1	17.1	29.6-38.0 Coarse drift, small to medium wash, abundant yellow silt.
33	35	19	82.2	0.09	0.11	5.6	5.6	
35	37	16	88.0	0.13	0.16	10.2	10.2	38.0-38.4 White silts layer.
37	39	10	97.7	0.14	0.20	19.5	15.3	
39	41	13.5	85.0	0.09	0.11	8.1	8.6	38.4-43.3 Coarse drift, small-medium wash, light grey silts and sands.
41	43	10	132.4	0.04	0.08	7.6	5.9	43.3-44.5 Coarse drift, small wash, yellow silts and sands.
43	45	12.5	302.4	0.01	-	-	-	
45	47	7	89.7	0.06	0.08	11.0	6.0	44.5-44.8 Coarse drift, small wash, light grey silts and sands.
47	49	5	90.6	0.05	0.06	12.9	5.1	44.8-45.0 Coarse drift, small wash, brown silts and sands.
								45.0-47.3 Grey decomposed granite grading to

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 45.0 m

Total recovered volume, surface to basement 5.12 litres

Total recovered tin 5.12 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 45.0 m 17.36 g SnO2/m³

Grade 2 at 45.0 m 17.36 g SnO2/m³

604113

AUSTALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575870 mE 5459025 mN DRILLING METHOD Reverse HOLE No. ERC...36
 SURFACE R.L. 83.7 m BASEMENT R.L. 38.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								granite rock.
								Sample Washer's Heavy Mineral Descriptions:
								0-13 Ilmenite, monazite.
								13-21 Fine trace tin, ilmenite, monazite.
								21-23 Trace tin, ilmenite, monazite.
								23-25 Fine trace tin, ilmenite, monazite.
								25-33 Trace tin, ilmenite, monazite.
								33-35 Fine trace tin, ilmenite, monazite.
								35-37 Trace tin, ilmenite, monazite.
								37-39 Ilmenite, monazite.
								39-41 Fine trace tin, ilmenite, monazite.
								41-43 Pyrite, ilmenite, monazite.
								43-49 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 45.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 5.12 g SnO2

Grade 2 at 45.0 m 17.36 g SnO2/m³

604114

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 5759.15 mE. 5459095 mN DRILLING METHOD Reverse HOLE No. ERC. 37.
 SURFACE R.L. 89.2 m BASEMENT R.L. 33.2 m CUTTING SHOE/ 100 mm THEORETICAL 15.92 Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	9	80.3	0.07	0.08	8.9		0-3.0 Yellow and light grey silty grits and sands.
3	5	6	94.4	0.03	0.04	6.7	3.2	
5	7	2	182.8	0.01	-	-	-	3.0-5.0 Brown clayey silts and sands.
7	9	4	90.0	0.02	0.03	6.4	2.0	5.0-9.0 Light yellow silty drifts and sands.
9	11	5.5	140.5	0.02	0.04	7.3	3.2	9.0-15.0 Dark brown silty drift and coarse sand.
11	13	5	83.8	0.04	0.05	9.6	3.8	15.0-23.0 Light brown silty drifts, coarse sand.
13	15	6	86.7	0.06	0.07	12.4	5.8	23.0-32.0 Light grey silty sands and drifts, coarse drift from 29 m.
15	17	5.5	105.7	0.05	0.08	13.7	5.9	
17	19	4	128.8	0.02	0.04	9.2	2.9	32.0-35.0 Light grey silty sands and drifts, coarse drift, wash, seam of light grey silty clay at 34.9 m.
19	21	7	83.8	0.02	0.02	3.4	1.9	
21	23	10	90.5	0.07	0.09	9.1	7.1	35.0-47.0 Drift, light grey silts, sand, small wash. Larger wash from 46 m.
23	25	11	143.4	0.21	0.43	39.1	33.7	
25	27	12	84.7	0.85	1.03	85.7	80.7	47.0-48.6 Grey very silty sands and drifts, wash, grey clay.
27	29	10	98.1	0.12	0.17	16.8	13.2	
29	31	9	136.8	0.09	0.18	19.5	13.8	48.6-50.7 Brown silty sands and drifts, wash.
31	33	12	81.0	0.04	0.05	3.9	3.6	
33	35	11	89.0	0.23	0.30	29.4	23.2	50.7-50.9 Grey silt sands and drifts, wash.
35	37	8	96.1	1.14	1.57	195.6	122.9	50.9-54.0 Yellow-brown silts, drift, sand, small wash.
37	39	12	105.7	0.83	1.25	104.4	98.4	
39	41	14.5	84.5	0.64	0.77	53.3	60.6	54.0-54.2 Grey silty clay, drift, sand, small wash.
41	43	14	86.5	0.14	0.17	12.4	13.6	
43	45	12	144.6	0.21	0.43	36.1	34.0	54.2-56.0 As for 50.9-54.0 m.
45	47	12	96.3	0.78	1.07	89.4	84.2	56.0-61.0 Grey brown clay decomposed basement- appears to be stratified.
47	49	7	92.7	0.26	0.34	49.2	27.0	
49	51	7	123.2	0.67	1.18	168.5	92.6	<u>Sample Washer's Heavy Mineral Descriptions:</u>
51	53	3.5	99.1	0.06	0.08	24.3	6.7	
53	55	4	134.5	0.08	0.15	38.4	12.1	0-3 Trace fine tin, ilmenite, monazite.
55	57	9	82.4	0.13	0.15	17.0	12.0	3-5 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 56.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 10.5 litres

Grade 1 at 56.0 m 29.4 g SnO2/m³

Total recovered tin 10.5 g SnO2

Grade 2 at 56.0 m 29.4 g SnO2/m³

604113

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575915 mE 5459095 mN DRILLING METHOD Reverse HOLE No. ERC-37
 SURFACE R.L. 89.2 m BASEMENT R.L. 33.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	6	105.2	0.06	0.09	15.0	7.0	5-7 Ilmenite, monazite, pyrite.
59	61	11	203.4	0.15	0.44	39.6	34.2	7-25 Ilmenite, monazite.
61	61.3	3	85.4	0.09	0.11	36.8	8.7	25-27 Fine trace tin, ilmenite, monazite.
								27-33 Ilmenite, monazite.
								33-35 Fine trace tin, ilmenite, monazite.
								35-39 Trace tin, ilmenite, monazite.
								39-43 Fine trace tin, ilmenite, monazite.
								43-45 Very fine trace tin, ilmenite, monazite.
								45-51 Trace tin, ilmenite, monazite.
								51-55 Ilmenite, pyrite.
								55-61.3 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 56.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 10.5 litres

Grade 1 at 56.0 m 29.4 g SnO2/m³

Total recovered tin 10.5 g SnO2

Grade 2 at 56.0 m 29.4 g SnO2/m³

604116

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575934 mE 5459126 mN DRILLING METHOD Reverse HOLE No. ERC-38
 SURFACE R.L. 83.2 m BASEMENT R.L. 41.2 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	16	91.9	0.28	0.37	23.0	19.3	0-4.0 Silty light grey sands and grits.
3	5	11	83.3	2.25	2.68	243.4	210.2	4.0-4.8 Silty light yellow, brown sands and grits
5	7	5	88.3	0.03	0.04	7.6	3.0	4.8-9.0 Dark brown silt, coarse sand, drift.
7	9	1.5	94.3	0.02	0.03	18.0	2.1	9.0-19.0 Light grey sand and drift-virtually no recovery 9-13.
9	11	2	100.0	0.02	0.03	14.3	2.2	19.0-20.5 Light grey sand and drift, small wash.
11	13	1	87.0	0.02	0.02	24.9	2.0	
13	15	2	131.0	0.01	-	-	-	20.5-22.7 Grey gritty and sandy silts.
15	17	9	99.6	0.02	0.03	3.2	2.2	22.7-25.0 Grey silts, drift, coarse sand, minor
17	19	4	81.2	0.12	0.14	34.8	10.9	small wash.
19	21	10	92.9	0.08	0.11	10.6	8.3	25.0-31.0 Grey silty clays, grey silt, some drift and coarse sand.
21	23	10	89.5	0.04	0.05	5.1	4.0	31.0-42.0 Grey silty clays, grey silt, some drift and coarse sand, medium to small wash.
23	25	10	88.4	0.11	0.14	13.9	10.9	
25	27	11	91.0	0.13	0.17	15.4	13.3	42.0-45.0 Granite basement.
27	29	11	81.6	0.17	0.20	18.0	15.6	
29	31	9	82.4	1.64	1.93	214.5	151.5	<u>Sample Washer's Heavy Mineral Descriptions:</u>
31	33	8.5	85.0	1.80	2.19	257.1	171.6	
33	35	9.5	80.0	0.27	0.31	32.5	24.2	0-3 Trace tin, ilmenite, monazite.
35	37	8	86.4	0.14	0.17	21.6	13.6	3-5 Small amount tin, ilmenite.
37	39	12	84.9	0.06	0.07	6.1	5.7	5-23 Ilmenite, monazite.
39	41	13	85.3	0.13	0.16	12.2	12.4	23-29 Fine trace tin, ilmenite, monazite.
41	43	7.5	81.2	0.01	-	-	-	29-33 Small amount tin, ilmenite, monazite.
43	45.5	3	82.4	0.06	0.07	23.5	5.5	33-35 Trace tin, ilmenite, monazite.
								35-37 Fine trace tin, ilmenite, monazite.
								37-41 Ilmenite, monazite.
								41-44.5 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 42.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 8.89 g SnO2

Grade 2 at 42.0 m 33.24 g SnO2/m³

604112

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES 575290 mE 5459370 mN DRILLING METHOD Reverse HOLE No. ERC...39
 SURFACE R.L. 75.4 m BASEMENT R.L. 31.4? m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 14/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	8	140.9	0.04	0.08	10.1	4.2	0-3.0 Medium-coarse sands and light brown silts.
3	5	6.5	93.5	0.03	0.04	6.2	3.2	3.0-7.0 Fine sands and light brown silts.
5	7	7	107.7	0.02	0.03	4.4	2.4	7.0-15.0 Fine-medium sands; minor coarse sands; white silts; minor clays.
7	9	9	120.5	0.10	0.17	19.1	13.5	
9	11	10	147.2	0.20	0.42	42.1	33.1	15.0-20.5 Fine sands and white sandy clays and clayey silts.
11	13	7.5	114.8	0.08	0.13	17.5	10.3	
13	15	14	172.1	0.27	0.66	47.4	52.1	20.5-23.0 Fine sands and clayey silts; minor coarse sand and small wash; minor clays.
15	17	11	146.5	0.03	0.06	5.7	4.9	
17	19	16	125.9	0.14	0.25	15.7	15.7	23.0-25.0 Coarse sand and small wash, some birds-eye; minor clays.
19	21	18	189.5	0.07	0.19	10.5	10.5	
21	23	16	166.2	0.02	0.05	3.0	3.7	25.0-27.0 Fine-medium sands and silts; minor coarse sands.
23	25	19	172.9	0.11	0.27	14.3	14.3	
25	27	18	141.1	0.11	0.22	12.3	12.3	27.0-30.5 Medium coarse sands; minor fine sands.
27	29	14	118.9	0.11	0.19	13.3	14.7	30.5-31.0 Fine sands and ochre clayey silts.
29	31	15	147.9	0.04	0.08	5.6	6.6	31.0-35.0 Ochre silts and medium-coarse sands; some birdseye and minor fine sands.
31	33	16	180.0	0.16	0.41	25.7	32.3	
33	35	10	136.0	0.07	0.14	13.6	10.7	35.0-39.0 Medium-coarse sands and small wash; grey clays and sandy clays.
35	37	9	178.0	0.09	0.23	25.4	18.0	
37	39	10	195.7	0.02	0.06	5.6	4.4	39.0-41.0 Medium sands, some dark chips.
39	41	9	163.1	0.04	0.09	10.4	7.3	41.0-43.0 Silky grey clays, minor sandstone chips, and quartz fragments.
41	43	12	172.2	0.01	-	-	-	
43	45	10	214.4	B.L.D.	-	-	-	43.0-45.0 Blue grey and brown grey mottled clays and sandstone chips.
45	47	13	137.5	0.01	-	-	-	
47	49	13	184.9	B.L.D.	-	-	-	45.0-49.0 Green-brown clays; minor wash and sandstone chips; medium sand.
49	51	9.5	110.0	0.02	0.03	3.3	2.5	
51	53	10	158.4	B.L.D.	-	-	-	49.0-52.5 Grey-blue and grey green clays; dark rock chips; quartz particles; minor sands.
53	55	10	140.8	B.L.D.	-	-	-	
55	57	10	99.0	B.L.D.	-	-	-	52.5-53.5 Granite boulder?

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 44.0? m

Grade from surface to inferred basement

Total recovered volume, surface to basement 4.0 litres

Grade 1 at 44.0? m 9.8 g SnO2/m³

Total recovered tin 4.0 g SnO2

Grade 2 at 44.0? m 9.8 g SnO2/m³

604115

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Endurance..Leads COLLAR CO-ORDINATES... 575290mE. 5459370mN DRILLING METHOD...Reverse..... HOLE No....ERC..39...
 SURFACE R.L. 75.4m BASEMENT R.L. 31.4?m CUTTING SHOE/ BIT DIAMETER. 100 mm THEORETICAL 15.92 Circulation VOLUME.....litres PAGE...2...of...2...
 DRILLER...R..Miller..... SAMPLE WASHER...S...Moore ASSAY METHOD...XRF..... GEOLOGIST...S...Douglas..... DATE..14./12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	12	143.0	0.07	0.14	11.9	11.2	53.5-6160 Dolerite/sandstone chips and grey green clays; minor granite? patches.
59	60	8	101.9	0.04	0.06	7.3	4.6	
								Basement unidentifiable but impenetrable beyond 60.0 m. Possibly semi-consolidated conglomerate.
								Sample Washer's Heavy Mineral Descriptions:
								0-7 Ilmenite, monazite.
								7-9 Fine trace tin, ilmenite, monazite.
								9-11 Trace tin, ilmenite, monazite.
								11-13 Ilmenite, monazite.
								13-15 Fine trace tin, ilmenite, monazite.
								15-23 Ilmenite, monazite.
								23-29 Fine trace tin, ilmenite, monazite.
								29-31 Ilmenite, monazite.
								31-35 Fine trace tin, ilmenite, monazite.
								35-39 Pyrite.
								39-45 Pyrite, ilmenite.
								45-60 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...44.0?.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....4.0.....g SnO2

Grade 2 at44.0?.....m9.8.....g SnO2/m³

604119

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Endurance Leads COLLAR CO-ORDINATES.....575363.....mE.....5459444.....mN DRILLING METHOD.....Reverse..... HOLE No.....ERC. 40.....
 SURFACE R.L.....74.0.....m BASEMENT R.L.....34.5.....m CUTTING SHOE/
 BIT DIAMETER.....100.....mm THEORETICAL Circulation VOLUME.....15.92.....litres PAGE.....1.....of.....1.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE.....15/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	6	91.3	0.07	0.09	15.2	4.8	0-0.5 Coarse sands and black silts.
3	5	6	145.7	0.02	0.04	6.9	3.3	0.5-5.0 Fine sands and light brown silts.
5	7	4.5	84.6	0.12	0.15	32.2	11.4	5.0-10.8 Fine-medium sands and small wash.
7	9	6	169.3	0.08	0.19	32.3	15.2	10.8-11.0 Stiff light brown clays.
9	11	6	105.7	0.05	0.08	12.6	5.9	11.0-13.0 Medium-coarse sands and small wash with white silts.
11	13	10	113.1	0.07	0.11	11.3	8.9	
13	15	10	85.1	0.34	0.41	41.3	32.4	13.0-16.0 Fine sands and white silts; minor wash.
15	17	11	109.6	0.77	1.21	109.6	94.6	16.0-16.5 White clays and fine sands.
17	19	13	96.8	1.40	1.94	148.9	152.0	16.5-20.5 Medium-coarse sands and minor birdseye, and wash; silts.
19	21	10	88.7	0.20	0.25	25.3	19.9	
21	23	11	126.0	0.13	0.23	21.3	18.4	20.5-30.0 Fine-medium sands; minor white clays and silts; minor coarse sands.
23	25	14.5	96.8	0.06	0.08	5.7	6.5	
25	27	14	95.7	0.16	0.22	15.6	17.2	30.0-38.5 Fine-medium sands and ochre silts; minor wash; minor clays.
27	29	16	228.5	0.02	0.07	4.1	4.1	
29	31	16	85.1	0.07	0.09	5.3	5.3	38.5-39.5 Clayey silts and silty clays.
31	33	15	130.4	0.03	0.06	3.7	4.4	39.5-41.0 Granite.
33	35	20.5	97.9	0.20	0.31	15.0	15.0	Sample Washer's Heavy Mineral Descriptions:
35	37	19	137.7	0.12	0.24	12.4	12.4	
37	39	14	101.5	0.05	0.07	5.2	5.7	0-3 Fine trace tin, ilmenite, monazite.
39	41	12	84.4	0.01	-	-	-	3-7 Ilmenite, monazite.
								7-13 Fine trace tin, ilmenite, monazite.
								13-17 Trace tin, ilmenite, monazite.
								17-19 Small amount tin, ilmenite,
								19-23 Fine trace tin, ilmenite, monazite.
								23-25 Ilmenite, monazite.
								25-33 Ilmenite, monazite.
								33-37 Fine trace tin, ilmenite.
								37-39 Ilmenite, pyrite/ 39-41 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 39.5.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....5.8.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F.= 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at 39.5.....m22.7.....g SnO2/m³

604120

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Endurance Leads COLLAR CO-ORDINATES: 575432 mE 5459445 mN DRILLING METHOD: Reverse HOLE No. ERC: 41
 SURFACE R.L. 71.4 m BASEMENT R.L. 52.4 m CUTTING SHOE/ BIT DIAMETER: 100 mm THEORETICAL VOLUME: 15.92 litres Circulation
 DRILLER: R. Miller SAMPLE WASHER: S. Moore ASSAY METHOD: XRF GEOLOGIST: S. Douglas DATE: 15/12/82 PAGE: 1 of 1

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	10.5	102.1	0.07	0.10	9.7	5.4	0-1.0	Medium-coarse sands and light brown silts.
3	5	7	169.8	0.06	0.15	20.8	11.4	1.0-3.0	Dark brown silts and coarse sands.
5	7	10	96.9	0.16	0.22	22.2	17.4	3.0-4.8	Medium-coarse sands and light brown silts; minor clays.
7	9	6	149.4	0.04	0.09	14.2	6.7		
9	11	11	91.6	0.04	0.05	4.7	4.1	4.8-7.0	Black silty silts; minor clays and fine sands.
11	13	11	92.8	0.03	0.04	3.6	3.1		
13	15	8	140.5	0.04	0.08	10.0	6.3	7.0-11.0	Light brown silts and fine sands; minor clays.
15	17	15	82.5	0.02	0.02	1.6	1.9		
17	19	12	118.5	0.01	-	-	-	11.0-13.0	Fine-medium sands; minor coarse sands.
19	21	14.5	122.4	0.01	-	-	-	13.0-14.5	white sandy clays with minor medium sands.
21	23	13	130.8	B.L.D.	-	-	-	14.5-16.8	Fine-medium sands and white silts; minor sandy clays.
23	25	7	84.5	0.01	-	-	-		
25	27	9.5	98.6	0.01	-	-	-	16.8-19.0	Ochre clays and silts; medium sands.
27	29	12	118.2	0.01	-	-	-	19.0-21.0	Medium sands and silty clays.
								23.0-29.0	Granite.
									<u>Sample Washer's Heavy Mineral Descriptions:</u>
									0-5 Ilmenite, monazite.
									5-7 Fine trace tin, ilmenite, monazite.
									7-9 Monazite.
									9-23 Ilmenite, monazite.
									23-29 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 19.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 19.0 litres Grade 1 at 19.0 m 7.9 g SnO2/m³
 Total recovered tin 0.8 g SnO2 Grade 2 at 19.0 m 7.9 g SnO2/m³

604121

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 577300 mE 5452000 mN DRILLING METHOD Reverse HOLE No. K1111..RG.2
 SURFACE R.L. 98.2 m BASEMENT R.L. 48.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 21/10/82 PAGE 1 of 1

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	2	4.5						<u>Sample Washer's Heavy Mineral Descriptions:</u>
2	5	8		See Sizing Results				
5	7	7		" "	" "			0-2 Trace fine tin, ilmenite, monazite.
7	9	9		" "	" "			2-23 Ilmenite, monazite.
9	11	7.5		" "	" "			23-37 Pyrite, ilmenite.
11	13	6		" "	" "			37-39 Ilmenite, monazite.
13	15	8		" "	" "			39-41 Very fine trace tin, monazite, ilmenite.
15	17	9		" "	" "			41-43 Trace tin, ilmenite, monazite.
17	19	8		" "	" "			43-45 Fine trace tin, ilmenite, monazite.
19	21	11		" "	" "			45-47 Large amount tin, ilmenite, monazite.
21	23	10.5		" "	" "			47-49 Tin, ilmenite, monazite.
23	25	11.5		" "	" "			49-51 Large amount tin, ilmenite, monazite.
25	27	10		" "	" "			51-52 Pyrite.
27	29	19		" "	" "			
29	31	10.5		" "	" "			
31	33	10.5		" "	" "			
33	35	12		" "	" "			
35	37	16.5		" "	" "			
37	39	14		" "	" "			
39	41	9*		" "	" "			
41	43	14*		" "	" "			
43	45	11*		" "	" "			
45	47	8*		" "	" "			
47	49	9*		" "	" "			
49	51	7.5*		" "	" "			
51	52	3*		0.11	0.14	47.1	22.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 50.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement - litres

Grade 1 at m g SnO2/m³

Total recovered tin 89.36 g SnO2

Grade 2 at 50.0 m 280.6 g SnO2/m³

604192

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K111 RC.2

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ FRACTION	CUMM. PERCENTAGE SnO ₂
Sample Interval 0 - 39					
	plus 22	.71	.028	1.13	1.13
SAMPLE VOLUME <u>248.4 l</u>	plus 30	.5	.044	1.78	2.91
GRADE <u>9.96 g/lm³</u>	plus 60	.25	0.118	4.78	7.69
TOTAL GRAMS OF SnO₂ <u>2.47</u>	plus 120	.125	1.098	44.45	52.14
	minus 120		1.186	48.01	100.15
Sample Interval 39 - 45					
	plus 22	.71	-	-	-
SAMPLE VOLUME <u>34 l</u>	plus 30	.5	0.032	1.27	1.27
GRADE <u>65.94 g/lm³</u>	plus 60	.25	0.113	4.48	5.75
TOTAL GRAMS OF SnO₂ <u>2.52</u>	plus 120	.125	1.907	75.67	81.42
	minus 120		0.468	18.57	99.99
Sample Interval 45 - 47					
	plus 22	.71	1.00	1.02	1.02
SAMPLE VOLUME <u>8.0 l</u>	plus 30	.5	3.94	10.11	11.13
GRADE <u>3059.7 g/lm³</u>	plus 60	.25	22.92	58.80	69.93
TOTAL GRAMS OF SnO₂ <u>38.98</u>	plus 120	.125	9.54	24.47	94.40
	minus 120		1.58	4.05	98.45

604123

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K111 RC. 2

		NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ FRACTION	CUMM. PERCENT-AGE SnO ₂
Sample Interval	47 - 49					
		plus 22	.71	-	-	-
SAMPLE VOLUME	9.0 l	plus 30	.5	1.55	12.85	12.85
GRADE	946.5 g/m ³	plus 60	.25	5.94	49.25	62.10
TOTAL GRAMS OF SnO₂	12.06	plus 120	.125	3.57	29.60	91.70
		minus 120		1.00	8.29	99.99
Sample Interval	49 - 51					
		plus 22	.71	0.41	1.24	1.24
SAMPLE VOLUME	7.5 l	plus 30	.5	2.38	7.17	8.41
GRADE	2605.0 g/m ³	plus 60	.25	21.42	64.54	72.95
TOTAL GRAMS OF SnO₂	33.19	plus 120	.125	7.40	22.30	95.25
		minus 120		1.58	4.76	100.01
Sample Interval						
		plus 22	.71			
SAMPLE VOLUME	_____	plus 30	.5			
GRADE	_____	plus 60	.25			
TOTAL GRAMS OF SnO₂	_____	plus 120	.125			
		minus 120				

604124

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 576900 mE. 5451400 mN DRILLING METHOD... Reverse HOLE No... K-170-RC
 SURFACE R.L. 98.8 m BASEMENT R.L. 64.3 m CUTTING SHOE/ BIT DIAMETER... 100 mm THEORETICAL Circulation VOLUME... 45.92 litres PAGE... 1 of 2
 DRILLER... R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 21/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	2.5	99.5	B.L.D.	-	-	-	0-5 Top soil.
3	5	15	88.6	0.03	0.04	2.5	3.0	5-5 Light brown silty coarse sand and grit.
5	7	3.5	101.1	0.01	-	-	-	5-9 Light brown slightly gritty silt.
7	9	6	120.0	0.02	0.03	5.7	2.7	9-11 Brown to dark brown silty drift and medium to coarse sand.
9	11	11	93.1	0.03	0.04	3.6	3.1	11-13 Light to dark brown clayey drift.
11	13	9.5	140.0	0.02	0.04	4.2	3.1	13-15.8 Dark brown silt coarse sand and drift, also lenses of humic brown silts with wood layers.
13	15	10	98.9	0.04	0.06	5.7	4.4	15-17 Humic brown silts with wood layers
15	17	10	104.5	0.04	0.06	6.0	4.7	17-19 grading to pure light brown to white clay.
17	19	11.5	115.4	0.03	0.05	4.3	3.9	19-21 Sand and drift white silt, minor small wash.
19	21	10	80.0	0.07	0.08	8.0	6.3	21-23 Clean sand drift stringers of light brown to white impure silts.
21	23	9	124.1	0.04	0.07	7.9	5.6	23-24 Sand and minor white silt.
23	25	14	80.0	0.34	0.39	27.8	30.5	24-25 white slightly silty clays.
25	27	12.5	113.3	0.03	0.05	3.9	3.8	25-28.5 Drift and coarse sand minor white clayey silt.
27	29	11	102.8	0.01	-	-	-	28.5-31 Off white gritty clay stringers amongst drift.
29	31	9	80.0	0.14	0.16	17.8	12.6	31-31.5 Yellow to bright yellow silty drift.
31	33	10.5	90.0	0.07	0.09	8.6	7.1	31.5-31.7A hard ferruginous cement horizon.
33	35	8	111.8	0.23	0.37	45.9	28.8	31.7-33.5 Slightly silty and gritty grey clay.
35	36	4	80.2	0.11	0.13	31.5	19.8	33.5-34 Pure grey clays.
36	37	3	80.0	0.02	0.02	7.6	3.6	34-34.5 Coarse drift of a smokey quartz type common.
37	38	5	80.0	0.03	0.03	6.9	5.4	34.5-38 Green decomposed granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 34.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at m g SnO2/m³

Total recovered tin..... 1.7 g SnO2

Grade 2 at... 34.5 m 8.0 g SnO2/m³

604125

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576900.....mE...5451400.....mN DRILLING METHOD.....Reverse..... HOLE No.....K170..BC.
 SURFACE R.L. 98.8m BASEMENT R.L. 64.3m CUTTING SHOE/ BIT DIAMETER... 100 mm THEORETICAL VOLUME... 15.92litres
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE 21/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								Sample washer's Heavy Mineral Description:
								0-7 Trace ilmenite.
								7-15 Ilmenite, monazite.
								15-19 Pyrite, ilmenite.
								19-31 Ilmenite, monazite.
								31-33 Trace ilmenite.
								33-38 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at...34.5.....m Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³

Total recovered tin.....1.7.....g SnO2 Grade 2 at34.5.....m8.0.....g SnO2/m³

604126

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576900 mE 5451500 mN DRILLING METHOD Reverse HOLE No. K171-RC
 SURFACE R.L. 99.0 m BASEMENT R.L. 61.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL 2 Circulation VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 21/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	1	110.5	0.02	0.03	31.6	1.7	0-1	No sample recovered.
3	5	8	103.3	0.02	0.03	3.7	2.2	1-3	Sand and drift.
5	7	7	120.0	0.01	-	-	-	3-6.5	Dark brown silt, organic material a little drift sand and occasion, very small wash.
7	9	5	124.3	0.02	0.04	7.1	2.8		
9	11	8	116.6	0.02	0.03	4.2	2.6		
11	13	6.5	122.6	0.01	-	-	-	6.5-9.5	Light yellow to brown silty coarse sand and minor drift.
13	15	10	91.6	0.04	0.05	5.2	4.1		
15	17	9	135.8	B.L.D.	-	-	-	9.5-11	Gritty moderatley tenaceous white clay.
17	19	7.5	92.7	0.02	0.03	3.5	2.1	11-19.5	Dark to very dark brown, clays containing organic matter including wood and plant remains occasional pyrite, nodules stringers of drift and sand.
19	21	9.5	126.7	0.05	0.09	9.5	7.1		
21	23	10	129.4	0.19	0.35	35.1	27.6		
23	25	12	98.4	0.20	0.28	23.4	22.0		
25	27	9	106.7	0.07	0.11	11.9	8.4	19.5-23	White silty drift and sand.
27	29	9	132.2	0.06	0.11	12.6	8.9	23-25	Fine coarse clean sands.
29	31	11	80.0	0.10	0.11	10.4	9.0	25-29.5	Clayey sand and grit with lenses of white clay and light brown clay.
31	33	10	98.0	0.02	0.03	2.8	2.2		
33	35	10	91.9	0.24	0.32	31.5	24.7	29.5-30	Bright yellow clay.
35	37	15	100.3	1.72	2.46	164.3	193.5	30-31	Drift with some cemented grains light yellow silts.
37	39	7.5	85.6	1.85	2.26	301.6	177.6		
39	40	3	111.7	0.08	0.13	42.6	20.0	31-32.5	Drift sand and minor white gritty clay.
40	41	4.5	95.8	0.06	0.08	18.2	12.9	32.5-34	Pure tenaceous brown clay.
								34-34.5	Pure grey clay.
								34.5-36.2	Drift and sand.
								36.2-37.4	Hard gritty white to grey clay.
								37.4-41	Decomposed granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 3.5 m

Total recovered volume, surface to basement 6.55 litres

Total recovered tin 6.55 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 35 m 34.6 g SnO2/m³

Grade 2 at 35 m 34.6 g SnO2/m³

604127

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576900 mE. 5451500 mN DRILLING METHOD Reverse HOLE No. K171..RC
 SURFACE R.L. 99.0 m BASEMENT R.L. 61.6 m CUTTING SHOE/ BIT DIAMETER. 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 21/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Description:</u>
								<u>0-3 Trace ilmenite, monazite.</u>
								<u>3-13 Ilmenite, monazite.</u>
								<u>13-19 Pyrite, ilmenite.</u>
								<u>19-21 Pyrite, ilmenite, monazite.</u>
								<u>21-33 Ilmenite, monazite.</u>
								<u>33-37 Pyrite, ilmenite.</u>
								<u>37-39 Trace tin, ilmenite, pyrite.</u>
								<u>39-41 Pyrite, ilmenite.</u>

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 35 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 6.55 litres Grade 1 at m g SnO₂/m³
 Total recovered tin 6.55 g SnO₂ Grade 2 at 35 m g SnO₂/m³

604128

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5451400 mN DRILLING METHOD Reverse HOLE No. K172.RC
 SURFACE R.L. 104.0 m BASEMENT R.L. 98.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 22/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	11.5	82.7	0.04	0.05	4.1	2.5	0-2 Medium coarse sands, brown silt.
3	5	3	107.8	B.L.D.	-	-	-	2-4.5 Fine medium sands.
5	7	8	94.1	0.02	0.03	3.4	2.1	4.5-5.5 Fine Sand.
7	9	9	103.8	0.02	0.03	3.3	2.3	5.5-7.0 White clays, becoming sandy (decomposed-granite.)
9	11	8	88.3	0.02	0.03	3.2	2.0	
								<u>Sample washers Heavy Mineral Descriptions;</u>
								0-3 No trace of Mineral.
								3-5 Fine trace of ilmenite.
								5-7 Trace ilmenite, monazite.
								7-9 Trace pyrite.
								9-11 " "
Bottom - 5-7 Metres								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 5.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 0.14 g SnO2

Grade 2 at 5.5 m 2 g SnO2/m³

604129

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES...577100.....mE...5451400.....mN DRILLING METHOD...Reverse..... HOLE No...K.173.....
 SURFACE R.L. 100.8.....m BASEMENT R.L. 62.8.....m CUTTING SHOE/ THEORETICAL 15.92 Circulation
 BIT DIAMETER..... 100 mm VOLUME..... litres PAGE...1.....of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...8/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	14	90.2	0.01	-	-	-	0-7 Medium brown silty drift and sand.
3	5	10	108.1	0.03	0.05	4.6	3.6	7-8 Tenaceous white sandy clay.
5	7	9	112.1	0.02	0.03	3.6	2.5	8-10.5 Brown silty drift, brown clay layer.
7	9	10	150.9	0.02	0.04	4.3	3.4	10.5-12.5 Soft grey clay, occasionally gritty.
9	11	11	121.7	0.03	0.05	4.7	4.1	12.5-18.7 Drift, minor grey silt and clay horizon.
11	13	17	108.3	0.02	0.03	1.8	1.8	18.7-19 Brown gritty clays layers with silts and wood.
13	15	10.5	106.0	0.04	0.06	5.8	4.8	
15	17	17.5	106.6	0.06	0.09	5.2	5.2	19-19.8 Light grey drifts, sands, silts.
17	19	20	156.0	0.06	0.13	6.7	6.7	19.8-20.5 Light brown gritty clays.
19	21	13	109.6	0.06	0.09	7.2	7.4	20.5-20.8 Light grey silty and sandy clays.
21	23	18	94.5	0.21	0.28	15.8	15.8	20.8-21 Light grey silty and sandy clays, drift.
23	25	13	138.3	0.13	0.26	19.7	20.2	21-22.9 Drift, light grey sands, coarse sand, rare large drift.
25	27	17	140.0	1.66	3.32	195.3	195.3	
27	29	14	124.9	0.06	0.11	7.7	8.4	22.9-23.4 Brown tenaceous clay.
29	31	20	112.0	0.83	1.33	66.4	66.4	23.4-24 Grey sands, drift, silts.
31	33	16.5	93.6	1.07	1.43	86.7	86.7	24-24.6 Light grey silty and sandy clays.
33	35	22	83.1	1.25	1.48	67.5	67.5	24.6-26.5 Coarse drift, drift, coarse sand, light grey silt, grey clay horizons.
35	37	15	97.3	1.28	1.78	118.6	139.7	
37	39	10	87.8	2.41	3.02	302.3	237.3	26.5-26.8 Grey silty clays.
39	41	9	147.1	12.67	25.72	2857.8	2018.9	26.8-27.2 Grey drift, sands, silt.
41	43	10	77.5	6.85	7.58	758.4	595.3	27.2-27.8 Medium brown tenaceous clay.
43	45	6.5	122.0	0.12	0.21	32.2	16.4	27.8-28.0 Brown drift with minor brown clays, coarse sand.
								28.0-28.8 Light grey clay.
								28.8-35 Drift, grey silts, coarse sand, minor large drift.
								35-38 Drift, grey silts, coarse sand, minor large drift, small wash, rare birdseye.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...38.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin...47.11.....g SnO2

Grade 2 at...38.....m...185.....g SnO2/m³

604130

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 577100 mE 5451400 mN DRILLING METHOD Reverse HOLE No K173
 SURFACE R.L. 100.8 m BASEMENT R.L. 62.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section From m	Section To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								38-44 Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-25 Ilmenite, monazite.
								25-27 Trace tin, ilmenite, monazite.
								27-29 Ilmenite, monazite.
								29-37 Fine trace tin, ilmenite, monazite.
								37-39 Trace tin, ilmenite, monazite.
								39-41 Small amount tin, large amount of ilmenite, monazite.
								41-43 Trace tin, large amount of ilmenite, monazite.
								43-45 Ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 38 m Grade from surface to inferred basement
 Total recovered volume, surface to basement — litres Grade 1 at — m g SnO2/m³
 Total recovered tin 47.4 g SnO2 Grade 2 at 38 m 185 g SnO2/m³

604131

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 526900 mE 5451300 mN DRILLING METHOD Reverse HOLE No. K174
 SURFACE R.L. 101.4 m BASEMENT R.L. 69.1 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	10	76.6	0.05	0.05	5.5	2.9	0-3 Brown silty sands, minor quartz grit.
3	5	11	173.6	0.14	0.35	31.6	27.3	3-6 Dark brown silty drift and coarse sand.
5	7	14.5	80.0	0.05	0.06	3.9	4.5	6-7 Drift, coarse sand, light brown silts.
7	9	10.5	110.0	0.04	0.06	6.0	4.9	7-10.2 Dark brown silty coarse sand, drift.
9	11	9.5	117.0	0.02	0.03	3.5	2.6	10.2-13.5 Silty grey-brown clay layers with drift,
11	13	15	147.4	0.08	0.17	11.2	13.2	coarse sand.
13	15	10	97.1	0.07	0.10	9.7	7.6	13.5-13.7 Gritty light brown tenaceous clay.
15	17	13	143.7	0.06	0.12	9.5	9.7	13.7-14.5 Silty grey-brown clay layers with drift
17	19	10.5	102.8	0.03	0.04	4.2	3.5	and coarse sand.
19	21	12	121.0	0.03	0.05	4.3	4.1	14.5-15 Drift, grey horizon, dark brown silty
21	23	12.5	98.3	0.02	0.03	2.2	2.2	coarse sand.
23	25	14	105.6	0.16	0.24	17.2	19.0	15-15.5 Grey silty clay.
25	27	10	140.6	0.01	-	-	-	15.5-16.6 Drift, coarse sand, white-yellow-grey
27	29	13	78.3	0.01	-	-	-	silt, rare large drift and white silty
29	31	11	119.4	0.04	0.07	6.2	5.4	clay layers.
31	33	10	93.3	0.08	0.11	10.7	8.4	16.6-18.8 Drift, coarse sand, brown silty clay.
33	34	5.5	94.7	0.01	-	-	-	18.8-19 Brown tenaceous clay.
34	35	4	126.6	0.03	0.05	13.6	4.3	19-31 Tape of drill logs lost.
								31-32.3 Drift, white clay, heavy drift, small wash, grey brown silt.
								32.3-35 Decomposed granite basement.
Sample Washer's Heavy Mineral Descriptions:								
								0-7 Ilmenite.
								7-19 Ilmenite, monazite.
								19-29 Ilmenite, pyrite.
								29-35 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 32.3 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 1.54 g SnO2

Grade 2 at 38 m 7 g SnO2/m³

604132

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576700 mE 5451200 mN DRILLING METHOD Reverse HOLE No. K.175
 SURFACE R.L. 114.3 m BASEMENT R.L. 98.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82
 PAGE 1 of 1

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	11.5	140.7	B.L.D	-	-	-	0-.5 Surface grey sand and grits.
3	5	9.5	124.3	0.05	0.09	9.4	7.0	.5-5 Brown silty coarse sand and drift.
5	7	6	130.0	0.01	-	-	-	5-7 Yellow-brown silty drift, coarse sand, occasional clay horizon and ferricrete.
7	9	6.5	106.0	B.L.D	-	-	-	
9	11	10	167.9	0.02	0.05	4.8	3.8	7-9 Brown silty sand and drift.
11	13	9	154.4	0.01	-	-	-	9-11.2 Yellow-orange silts, coarse grits.
13	15	15	115.3	0.02	0.03	2.2	2.6	11.2-15.5 Dark brown silty drift and sand, grading to clean sand and drift and then back to silty dark brown sand and drift.
15	17	8	188.9	0.01	-	-	-	
17	18	4	158.6	0.01	-	-	-	
18	19	7	177.4	0.01	-	-	-	15.5-19 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-19 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 15.5 m
 Total recovered volume, surface to basement litres
 Total recovered tin 0.17 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO2/m³
 Grade 2 at 15.5 m 2 g SnO2/m³

604133

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5451200 mN DRILLING METHOD Reverse HOLE No. K-176
 SURFACE R.L. 111.8 m BASEMENT R.L. 110.8 m CUTTING SHOE/BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	124.2	0.02	0.04	3.2	1.7	0-1 Gritty yellow clays.
3	5	15	143.3	B.L.D.	-	-	-	1-5 Granite basement.
Sample Washer's Heavy Mineral Descriptions:								
								0-5 No trace of mineral.

Grade 1 calculated by relating recovered volume to recovered tin.	Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
Drillers reported basement at..... <u>1</u>m	Grade from surface to inferred basement
Total recovered volume, surface to basement..... <u>1</u>litres	Grade 1 at <u>1</u>m g SnO2/m ³
Total recovered tin..... <u>0.04</u>g SnO2	Grade 2 at <u>1</u>m <u>3.5</u>g SnO2/m ³

604134

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576700 mE 5451300 mN DRILLING METHOD Reverse HOLE No. K-177
 SURFACE R.L. 107.7 m BASEMENT R.L. 93.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres CIRCULATION 1 of 1 PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	4	135.0	0.01	-	-	-	0-1 Surface sands and grits.
3	5	6	153.5	0.01	-	-	-	1-2.5 Coarse sand, yellow-white gritty clay.
5	7	4	103.9	B.L.D.	-	-	-	2.0-2.5 Tenaceous pure clay.
7	9	4	211.7	0.01	-	-	-	2.5-3 Clean drift.
9	11	9	184.5	0.02	0.05	5.9	4.1	3-5.5 Coarse sand, drift, rare small wash, light brown clay layers, brown silt.
11	13	10	177.0	0.01	-	-	-	5.5-7 Dark brown silty drifts, coarse sand.
13	15	10.5	146.7	B.L.D.	-	-	-	7-8.2 Light brown silty drifts, coarse sand, brown clay lenses.
15	17	11	169.8	0.02	0.05	4.4	3.8	8.2-10 Dark brown silty drifts, coarse sand, brown clay lenses.
								10-14 Light brown silty drifts, coarse sand, brown clay lenses.
								14-14.5 Dark brown silty drifts, coarse sand, brown clay lenses.
								14.5-15.7 Yellow brown gritty clay.
								14.7-17 Decomposed granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-17 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 14.7 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 11 litres

Grade 1 at 14.7 m 1 g SnO2/m³

Total recovered tin 0.10 g SnO2

Grade 2 at 14.7 m 1 g SnO2/m³

604135

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES...576700.....mE.....5451400.....mN DRILLING METHOD Reverse..... HOLE No. K.178.....
 SURFACE R.L. 105.....m BASEMENT R.L. 82.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm..... VOLUME 15.92.....litres PAGE 1 of 1.....
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	177.0	0.01	-	-	-	0-1 Grey sand, drift.
3	5	12	96.7	0.02	0.03	2.30	2.2	1-2 Yellow-brown tenaceous clay.
5	7	7	163.7	0.01	-	-	-	2-3.8 Very dark brown coarse sand, silt, drift.
7	9	7.5	218.5	0.01	-	-	-	3.8-8.5 Yellow-brown silty drift and sands.
9	11	7	160.0	0.01	-	-	-	8.5-9.1 Very dark brown silty drift and sands.
11	13	10.5	91.0	0.03	0.04	3.7	3.1	9.1-17 Light brown silty drift and sands, minor ferricrete band at 14 m.
13	15	10	130.5	0.02	0.04	3.7	2.9	17-21.2 Clean coarse sand and drift, ferricrete bands 20.5 m, 22.3.
15	17	12	208.8	0.01	-	-	-	21.2-23 Yellow clayey drift.
17	19	11	82.8	0.02	0.02	2.1	1.9	23-27 Granite basement.
19	21	12	200.0	0.01	-	-	-	
21	23	11	223.7	0.03	0.10	8.7	7.5	
23	25	5	144.2	0.05	0.10	20.6	8.1	
25	27	6	157.8	0.06	0.14	22.5	10.6	
Sample Washer's Heavy Mineral Descriptions:								
								0-21 Ilmenite, monazite.
								21-27 Ilmenite, pyrite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 82 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at g SnO2/m³

Total recovered tin..... 0.46 g SnO2

Grade 2 at 23 m 3 g SnO2/m³

604136

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576700 mE 5451494 mN DRILLING METHOD Reverse HOLE No. K.179
 SURFACE R.L. 100.8 m BASEMENT R.L. 86.0 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	7	87.8	B.L.D.	-	-	-	0-3 Yellow silts, quartz grits and sand.
3	5	3	82.3	B.L.D.	-	-	-	3-7 Light brown sands and drift, minor silt.
5	7	6	82.2	B.L.D.	-	-	-	7-10.8 Light brown sands and drift; silt dominant.
7	9	8	77.0	0.01	-	-	-	
9	11	8	83.4	0.03	0.04	4.5	2.8	10.8-14.8 Mixture of white silty tenaceous clay, drift, light grey silts.
11	13	9	81.8	0.04	0.05	5.2	3.7	
13	15	10	117.4	0.03	0.05	5.0	4.0	14.8-19 Decomposed granite basement.
15	17	10	105.3	0.02	0.03	3.0	2.4	
17	19	10	78.6	0.04	0.04	4.5	3.5	<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-9 Trace of ilmenite.
								9-15 Ilmenite, monazite.
								15-19 Pyrite, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 14.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 0.21 g SnO2

Grade 2 at 14.8 m 2 g SnO2/m³

604137

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576700 mE. 5451660 mN DRILLING METHOD Reverse HOLE No. K 180
 SURFACE R.L. 98.3 m BASEMENT R.L. 72.3 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 8/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	13	82.3	0.30	0.35	27.1	18.5	0-1	Black topsoil and dark brown sands.
3	5	6	79.9	0.04	0.05	7.6	3.6	1-7	Brown coarse sand, sand, silt and drift.
5	7	8	111.5	0.01	-	-	-	7-17.2	Light grey coarse sand, sand, silt and drift. Occassional thick layers of
7	9	10	83.9	0.01	-	-	-		gritty white clays, at least 11
9	11	10	90.0	0.04	0.05	5.1	4.0		in number.
11	13	10	117.3	0.02	0.03	3.4	2.6	17.2-18.6	Yellow-brown gritty clay bands, drift,
13	15	11.5	103.8	0.03	0.04	3.9	3.5		silty brown sand.
15	17	9	90.0	0.03	0.04	4.3	3.0	18.6-21	Grey silts, drift, coarse sand. Ferricrete
17	19	11	89.0	0.06	0.08	6.9	6.0		horizon at 20.8.
19	21	12.5	94.9	0.03	0.04	3.3	3.2	21-21.2	Hard brown sand clay.
21	23	12	87.0	0.05	0.06	5.2	4.9	21.2-21.7	Grey silts, drift, coarse sand.
23	25	9	124.5	0.11	0.20	21.7	15.4	21.7-21.9	Hard brown clay.
25	27	9	91.8	0.10	0.13	14.6	10.3	21.9-22.6	Medium grey silty drift, grey clays,
27	29	6.5	103.2	0.05	0.07	11.3	5.8		sand.
								22.6-26.0	Hard gritty clay, interbedded sands and drifts.
								26.0-29.0	Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>	
								0-11	Trace of ilmenite.
								11-21	Ilmenite, monazite.
								21-29	Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 36 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 1.15 g SnO2

Grade 2 at 36 m 7 g SnO2/m³

604138

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Pioneer..... COLLAR CO-ORDINATES.....576700.....mE.....5451800.....mN DRILLING METHOD...Reverse..... HOLE No. K.181.....
 SURFACE R.L. 102.7.....m BASEMENT R.L. 70.2.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.....1 of.....1.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD XRF..... GEOLOGIST S. Douglas..... DATE 9/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	70.3	0.08	0.08	8.93	4.2	0-3.0 Medium-coarse sands, brown silt.
3	5	9	83.2	0.03	0.04	4.0	2.8	3.0-6.0 Brown silty clays and stiff clays.
5	7	10	96.3	0.04	0.06	5.5	4.3	6.0-13.0 Fine-medium sands with minor stiff brown clays.
7	9	10	84.1	0.03	0.04	3.6	2.8	
9	11	10	90.9	0.05	0.06	6.5	5.1	13.0-20.0 Medium-coarse sands interspersed with light brown silty clays.
11	13	10	76.7	0.02	0.02	2.2	1.7	
13	15	10	78.4	0.10	0.11	11.2	8.8	20.0-20.5 Stiff light brown-pink clays.
15	17	7	95.6	0.02	0.03	3.9	2.1	20.5-22.5 Medium to coarse sands.
17	19	10.5	95.7	0.21	0.29	27.3	22.5	22.5-24.0 Stiff grey and ochre clay.
19	21	9	81.4	0.09	0.1	11.6	8.2	24.0-24.5 Stiff brown clay with wood fragments.
21	23	10	106.8	0.04	0.06	6.1	4.8	24.5-25.5 Coarse fine sands.
23	25	11	92.6	0.03	0.04	3.6	3.1	25.5-27.5 Ferricrete chips, with coarse sands, minor white clays.
25	27	9	95.9	0.02	0.03	3.0	2.2	
27	29	9	102.3	0.01	0.01	1.6	1.2	27.5-30.0 Ochre and white clays/silts, with minor ferricrete fragments and red sands at 28.5.
29	31	15	80.0	0.03	0.03	2.3	2.6	
31	33	17	90.7	0.16	0.21	12.2	12.2	
33	35	8	79.3	0.12	0.14	17.0	10.7	20.0-32.5 Medium-coarse sand, some small wash.
35	36	3	88.6	0.02	0.03	8.4	4.0	32.5-35.0 Stiff grey sandy clays.
36	37	4	87.7	0.02	0.03	6.3	3.9	35.0-37 Stiff white sandy clays, coarse quartz grains, feldspar.
								Basement at 32.5.
								Sample Washer's Heavy Mineral Description:
								0-27 Ilmenite, monazite.
								27-37 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 32.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....1.40.....g SnO2

Grade 2 at 32.5.....m 6.5.....g SnO2/m³

604139

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES...576900.....mE...5451700.....mN DRILLING METHOD...Reverse..... HOLE No..K..182.....
 SURFACE R.L...94.1.....m BASEMENT R.L...55.2.....m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL Circulation VOLUME...15.92...litres PAGE...1...of...2.....
 DRILLER R..Miller..... SAMPLE WASHER S..Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...9/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	11	90.1	0.08	0.10	9.4	5.4	0-3.5 Medium-coarse sands, brown silts,
3	5	7	80.0	0.07	0.08	11.43	4.2	3.5-5.5 Stiff white and light brown sandy clays with minor medium sands.
5	7	14	123.3	0.02	0.04	2.5	2.8	5.5-7.5 Medium-coarse sands and dark brown silts.
7	9	10	84.0	0.03	0.04	3.6	2.8	7.5-8.0 Stiff dark brown clays.
9	11	9	100.2	0.06	0.09	9.5	6.7	8.0-12.8 Medium-coarse sands, with dark brown silts, some wood fragments.
11	13	12	84.1	0.03	0.04	3.0	2.8	12.8-13.0 Light brown clays and silts.
13	15	17	83.5	0.06	0.07	4.2	4.2	13.0-16.0 Medium-coarse sands with some small wash, minor clays.
15	17	21	78.7	0.24	0.27	12.9	12.9	16.0-18.0 Stiff white and light brown sandy clays;
17	19	12.5	83.3	0.07	0.08	6.7	6.5	18.0-19.0 Medium-coarse sands.
19	21	14	115.4	0.20	0.33	23.6	25.9	19.0-20.0 Stiff white clays and clayey silts.
21	23	16	83.5	2.63	3.14	196.1	196.1	20.0-23.0 Medium-coarse sands and small wash;
23	25	13	78.8	0.05	0.06	4.3	4.4	minor white clays.
25	27	12	86.2	0.19	0.23	19.5	18.4	23.0-26.5 Silty clays with minor sands.
27	29	15.5	84.5	0.96	1.16	74.76	91.0	26.5-28 Medium-coarse sands with birdseye; minor clays.
29	31	15	98.0	0.89	1.25	83.07	97.8	32.8-33.2 Stiff sandy clays.
31	33	15.5	81.1	3.83	4.44	286.28	348.3	33.2-36.0 Medium-coarse sand, small wash, birdseye
33	35	11.5	113.6	0.21	0.34	29.5	26.6	minor clays.
35	37	9	93.9	3.63	4.87	541.0	382.0	36.0-37.0 Stiff white and ochre sandy clays; silty
37	39	8	85.4	0.14	0.17	21.4	13.4	37.0-38.9 Coarse sands with ochre silts and clays.
39	41	9	80.0	0.11	0.13	14.0	9.9	38.9-43.0 Light grey clays and clayey silts with quartz and felspar grains.
41	43	10	76.6	8.79	9.62	961.9	755.0	Basement at 38.9

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at...38.9.....m

Total recovered volume, surface to basement.....litres

Total recovered tin...26.52.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at ...38.9.....m ...103.96.....g SnO2/m³

604140

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576900 mE 5451700 mN DRILLING METHOD Reverse HOLE No. K 182
 SURFACE R.L. 94.1 m BASEMENT R.L. 55.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/11/82
 PAGE 2 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample Heavy Mineral Descriptions:
								0-9 Ilmenite, monazite.
								9-11 Ilmenite, pyrite.
								11-27 Ilmenite, monazite.
								27-33 Trace tin, ilmenite, monazite.
								33-37 Small amount tin, ilmenite, monazite.
								37-39 Ilmenite.
								39-43 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 38.9 m
 Total recovered volume, surface to basement litres
 Total recovered tin..... 26.52 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO2/m³
 Grade 2 at 38.9 m 103.96 g SnO2/m³

604141

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576900 mE 5451800 mN DRILLING METHOD Reverse HOLE No. K 183
 SURFACE R.L. 99.5 m BASEMENT R.L. 58.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/11/82/ PAGE 1 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	1	89.1	0.02	0.03	25.5	1.3	0-4.0 Medium-coarse sands, dark brown silt.
3	5	9	78.2	0.06	0.07	7.5	5.3	4.0-4.5 Ochre silts and coarse sands.
5	7	9	77.8	0.05	0.06	6.2	4.4	4.5-5.0 Stiff white clay.
7	9	12.5	80.8	0.04	0.05	3.7	3.6	5.0-7.0 Medium-coarse sands.
9	11	15	86.6	0.02	0.02	1.7	1.9	7.0-9.0 Stiff brown clays with minor coarse sands.
11	13	13	79.3	0.02	0.02	1.7	1.8	9.0-15.5 Medium-coarse sands, brown silts, wood fragments at 15.0.
13	15	12	77.8	0.03	0.03	2.8	2.6	15.5-17.5 Dark brown sandy clays.
15	17	12	83.2	0.05	0.06	5.0	4.6	17.5-19.0 Medium-coarse sands, dark brown (oily) silt; some wood fragments.
17	19	11.5	80.3	0.03	0.03	3.0	2.7	19.0-20.0 Fine-medium sands and silts; minor coarse sands.
19	21	12	81.5	0.06	0.07	5.8	5.5	20.0-21.5 Stiff light brown and white clays.
21	23	14	79.0	0.78	0.88	62.9	69.1	21.5-27.0 Medium-coarse sands, small wash, birdseye; minor clays.
23	25	18	77.6	0.91	1.01	56.0	56.0	27.0-33.0 Fine-medium sands; minor coarse sands and clays.
25	27	14.5	89.0	0.32	0.41	28.1	32.0	33.0-38.0 Medium-coarse sands, some birdseye.
27	29	19	80.9	0.12	0.14	7.3	7.3	38.0-39.0 Fine-medium sands, some small wash.
29	31	18	125.8	0.08	0.14	8.0	8.0	39.0-40.9 Medium-coarse sands, some birdseye.
31	33	16	80.4	0.06	0.07	4.3	4.3	40.9-43.0 Stiff white sandy clays.
33	35	14	81.2	0.12	0.14	9.9	9.9	43.0-45 White clays, coarse quartz, some felspar, granite.
35	37	13	100.7	0.15	0.22	16.6	16.9	Basement at 40.9
37	39	17	94.5	0.66	0.89	52.4	52.4	Sample Washer's Heavy Mineral Description:
39	41	13	76.8	5.56	6.10	469.2	478.8	0-9 Ilmenite.
41	43	11	83.5	0.11	0.13	11.9	10.3	9-15 Ilmenite Monazite.
43	45	12	102.9	0.05	0.07	6.1	5.8	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 40.9 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 10.66 litres

Grade 1 at 40.9 m 3.845 g SnO2/m³

Total recovered tin 10.66 g SnO2

Grade 2 at 40.9 m 3.845 g SnO2/m³

604142

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576900 mE 5451800 mN DRILLING METHOD Reverse HOLE No. K 183
 SURFACE R.L. 99.5 m BASEMENT R.L. 58.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL 15.92 Circulation VOLUME litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								15-25 Ilmenite, monazite.
								25-27 Fine trace tin, ilmenite, monazite.
								27-33 Ilmenite, monazite.
								33-39 Ilmenite, monazite.
								39-41 Small amount tin, ilmenite, monazite.
								41-43 Ilmenite, monazite.
								43-45 Pyrite

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 40.9 m Grade from surface to inferred basement
 Total recovered volume, surface to basement — litres Grade 1 at — m g SnO2/m³
 Total recovered tin 10.66 g SnO2 Grade 2 at 40.9 m 38.45 g SnO2/m³

004140

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer..... COLLAR CO-ORDINATES... 576900.....mE... 5451900.....mN DRILLING METHOD... Reverse..... HOLE No... K. 184.....
 SURFACE R.L. 99.5.....m BASEMENT R.L. 56.6.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER..... 100 mm..... VOLUME..... 15.92.....litres PAGE..... 1.....of..... 2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore... ASSAY METHOD..... XRF..... GEOLOGIST... R. Munro..... DATE... 11/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5.5	97.8	0.05	0.07	12.7	3.7	0-1 White to grey slightly silty sand.
3	5	12	85.6	0.11	0.13	11.2	10.6	1-4 Very large drift, minor very dark brown silt.
5	7	3.5	80.0	0.17	0.19	55.5	15.3	4-5 Angular coarse sand and drift, light brown silt and clay.
7	9	9	141.0	0.11	0.22	24.6	17.4	
9	11	9	79.0	0.03	0.03	3.8	2.7	5-7.5 Drift, very coarse drift, dark brown silt.
11	13	12.5	94.0	0.03	0.04	3.2	3.2	
13	15	11.5	80.8	0.03	0.03	3.0	2.7	7.5-9.5 White gritty clays.
15	17	19	83.9	0.08	0.10	5.1	7.5	9.5-12.5 Drift and light grey silt; some silt-
17	19	13	85.2	0.03	0.04	2.8	2.9	light brown; intermittant clays.
19	21	12	89.3	0.04	0.05	4.3	4.0	12.5-13 Medium brown sandy clay.
21	23	15	81.1	0.08	0.09	6.2	7.3	13-14 Dark brown sandy clay, minor wood.
23	25	19	90.0	0.22	0.28	14.9	14.9	14-14.8 Light grey clay.
25	27	15	84.5	0.07	0.08	5.6	6.6	14.8-16 Coarse sand, white silt.
27	29	14	107.2	0.06	0.09	6.6	7.2	16-36 Coarse sand, white-light grey silt, drift.
29	31	12	91.4	0.03	0.04	3.3	3.1	Layers of grey gritty clay at 17.8, 19.5, 20, 20.9, 22.2, 22.5 to 22.8, 24.7, 26.0
31	33	14.5	90.4	0.03	0.04	2.7	3.0	
33	35	16	90.0	0.16	0.21	12.9	12.9	White silty clay layer 27.2, 27.5, 29.4, 30.6, 31.3 to 31.7, 32.3 to 32.7.
35	37	17	80.0	0.22	0.25	14.8	14.8	
37	39	17	100.0	1.22	1.74	102.5	102.5	36-37 Fine sand, light grey silt.
39	41	13	81.3	0.19	0.22	16.9	17.3	37-40.4 Drift, sand, white silts, some large drift.
41	43	11	97.5	0.10	0.14	12.7	10.9	40.4-41.6 Light grey to light brown clays.
43	45	11	90.0	0.02	0.03	2.3	2.0	
45	47	6	90.0	0.05	0.06	10.7	5.0	41.6-42.9 Drift, sand.
								42.9-47 Granite basement.
Sample Washer's Heavy Mineral Descriptions:								
								0-3 Very fine trace tin, ilmenite, monazite.
								3-5 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 42.9.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin... 4.19.....g SnO2

Grade 2 at... 42.9.....m 13.....g SnO2/m³

604144

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES.....576900.....mE.....5451900.....mN DRILLING METHOD.....Reverse..... HOLE No. K 184
 SURFACE R.L.....99.5.....m BASEMENT R.L.....56.6.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100.....mm..... VOLUME.....15.92.....litres PAGE..2.....of.....2.....
 DRILLER...R..Miller..... SAMPLE WASHER....S...Moore ASSAY METHOD.....XRF..... GEOLOGIST...R...Munro..... DATE...11/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								5-9 Very fine trace tin, ilmenite, monazite.
								9-13 Ilmenite, monazite.
								13-15 Ilmenite, pyrite.
								15-23 Ilmenite, monazite.
								23-25 Fine trace tin, ilmenite, monazite.
								25-37 Ilmenite, monazite.
								37-39 Small amount tin, ilmenite, monazite.
								39-43 Ilmenite, monazite.
								43-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at.....42.9.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....4.19.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to Inferred basement

Grade 1 atm.....g SnO2/m³

Grade 2 at42.9.....m13.....g SnO2/m³

604145

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Pioneer COLLAR CO-ORDINATES: 576500 mE 5451800 mN DRILLING METHOD: Reverse HOLE No. K 185
 SURFACE R.L. 108.7 m BASEMENT R.L. 89.3 m CUTTING SHOE/ BIT DIAMETER: 100 mm THEORETICAL CIRCULATION VOLUME: 15.92 litres PAGE 1 of 2
 DRILLER: R. Miller SAMPLE WASHER: S. Moore ASSAY METHOD: XRF GEOLOGIST: R. Munro DATE: 11/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	100.3	0.01	-	-	-	0-1 Grey silty coarse sand.
3	5	9	90.8	0.03	0.04	4.3	3.1	1-3 Brown silty coarse sand.
5	7	8	96.4	0.02	0.03	3.4	2.2	3-4 Gritty white clay.
7	9	10	90.6	0.05	0.06	6.5	5.1	4-4.3 Yellow gritty clay.
9	11	10	80.3	0.03	0.03	3.4	2.7	4.3-4.5 Small drift, coarse sand, brown silt.
11	13	9	94.9	0.02	0.03	3.0	2.1	4.5-5 Tenaceous pure light grey clay.
13	15	14	90.2	0.03	0.04	2.7	3.0	5-5.7 Tenaceous pure white silty clay-to yellow clay.
15	17	11	114.4	0.01	-	-	-	
17	19	15.5	107.3	0.02	0.03	2.0	2.4	5.7-6.0 Yellow drift, sand.
19	21	11	85.9	0.05	0.06	5.6	4.8	6.0-6.4 Brown drift, sand, white to light grey silt.
21	23	13	90.0	0.01	-	-	-	6.4-7.0 Drift, coarse sand, white silts.
								7.0-8.0 Drift, coarse sand, brown to dark brown silts.
								8.0-8.6 Drift, coarse sand, grey silts.
								8.6-9.1 Brown organic clays.
								9.1-11.0 Dark brown sands and drift, layers of brown gritty clay at 10.3, 10.7.
								11- Light brown to grey gritty clays with layers of drift, and coarse sand becoming more coarser with depth.
								18.9 Yellow silts common from 16.
								18.9-19.4 Ferricrete layer, yellow silts.
								19.4-23 Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-5 Trace ilmenite.
								5-7 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 19.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 0.32 g SnO2

Grade 2 at 19.4 m 3 g SnO2/m³

604146

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5451800 mN DRILLING METHOD Reverse HOLE No. K 185
 SURFACE R.L. 108.7 m BASEMENT R.L. 89.3 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 11/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								7-9 Ilmenite, monazite, pyrite.
								9-19 Ilmenite, monazite.
								19-23 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 19.4 m
 Total recovered volume, surface to basement..... litres
 Total recovered tin 0.32 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO2/m³
 Grade 2 at 19.4 m 3 g SnO2/m³

604147

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE. 5451800 mN DRILLING METHOD Reverse HOLE No. K185 RC
 SURFACE R.L. 108.7 m BASEMENT R.L. 89.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 12.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
From m	To m							
0	21	-	-	-	0.26	-	2.0	See K185 RC.
21	23	8.5	80.0	0.07	0.08	9.4	6.3	Began sampling at 21.0 m.
23	25	4	161.6	0.05	0.12	28.9	9.1	21-29 Brown to light brown decomposed granite.
25	27	6.5	80.0	0.05	0.06	8.8	4.5	
27	29	5	114.7	0.06	0.10	19.7	7.7	<u>Sample Washer's Heavy Mineral Descriptions:</u>
								21-29 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 19.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 19.5 litres Grade 1 at 19.5 m 5 g SnO₂/m³
 Total recovered tin 0.62 g SnO₂ Grade 2 at 19.5 m 5 g SnO₂/m³

604148

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES...576500.....mE.....5452000.....mN DRILLING METHOD...Reverse..... HOLE No...K.186 R.C.
 SURFACE R.L....109.1.....m BASEMENT R.L....57.1.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm..... THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE...1.....of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro./S. Douglas..... DATE...11.12.11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	16	85.7	0.02	0.02	1.5	1.3	0-0.5 Grey silt sand.
3	5	12.5	85.6	0.02	0.02	1.9	1.9	0.5-1 Yellow sandy and gritty clays.
5	7	11	90.0	0.01	-	-	-	1-3 Yellow drift and silty clays generally grey, coarse sand.
7	9	13	114.0	0.01	-	-	-	
9	11	11	118.4	0.02	0.03	3.1	2.7	3-11 Yellow gritty and silty clays, grey silty drift, brown or grey clay layers from 7 m.
11	13	13.5	88.0	0.01	-	-	-	
13	15	15.5	92.4	0.03	0.04	2.6	2.6	11-12 Drift, grey silt and sand.
15	17	13.5	118.4	0.08	0.14	10.0	10.6	
17	19	11	91.0	0.08	0.10	9.5	8.2	12-13.7 Tenaceous grey clay.
19	21	16	54.2	0.02	0.02	1.0	1.0	13.7-28.8 Drift, grey silt, and coarse sand, many layers of grey clay (impure) from 15 m.
21	23	17	82.0	0.01	-	-	-	
23	25	14	102.3	0.02	0.03	2.1	2.3	28.8-30 Yellow drift, silt minor white clay, layers of grey gritty clay at 29.8 m.
25	27	14	84.5	0.01	-	-	-	
27	29	13	77.9	0.06	0.07	5.1	5.2	30-31 Grey drift and clay.
29	31	17.5	83.2	0.01	-	-	-	31-32.5 Dark brown silts, drift, sand, clay.
31	33	16	80.0	0.04	0.05	2.9	2.9	32.5-33 Yellow silts, drift.
33	35	20	92.6	0.02	0.03	1.3	1.3	33-34.5 Grey silts, drift, grey clays.
35	37	15	98.2	0.04	0.06	3.7	4.4	34.5-35 Coarse drift.
37	39	19	80.7	0.05	0.06	3.0	3.0	35-38.8 Coarse drift, grey silts, coarse sand, clay layers, ironstone nodules and layers.
39	41	53.5	99.0	0.03	0.04	0.8	0.8	
41	43	14	80.0	0.01	-	-	-	
43	45	16	105.1	0.01	-	-	-	38.8-39.2 Hard ferricrete layer.
45	47	11	90.0	0.01	-	-	-	39.2-41.0 Ironstone fragments with quartz sands, very red silts/clays.
47	49	5.5	90.0	0.03	0.04	7.0	3.0	
49	51	10	90.0	0.04	0.05	5.1	4.0	41.0-43.0 Ironstone fragments with quartz sands-very red silts/clays, minor small wash stiff ochre clays and white-ochre mottled clays, grey/white mottled clay.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...52.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin...0.79.....g SnO2

Grade 2 at ...52.0.....m2.....g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES... 576500mE... 5452000mN DRILLING METHOD...Reverse..... HOLE No...K 186 RC...
 SURFACE R.L.....109.1.....m BASEMENT R.L.....57.1.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100. mm..... VOLUME.....15.92.....litres PAGE...2...of...2.....
 DRILLER R...Miller..... SAMPLE WASHER S...Moore.... ASSAY METHOD...XRF..... GEOLOGIST R...Munro.../...S...Douglas DATE...11-12/11/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								43.0-45.0 Small wash, ironstone rock clays.
								45.0-47.0 Stiff grey clays, mottled grey-white sandy clays.
								47.0-49.0 Stiff grey clays, minor sandstone wash.
								49.0-53.0 Fine-medium sands, small wash, sandstone rock chips, quartz, some felspar.
								53.0-54.0 Weathered granite.
								54.0-55.0 weathered granite.
								<u>Sample washer's Heavy Mineral Descriptions:</u>
								0-7 Trace ilmenite.
								7-37 Ilmenite, monazite.
								37-45 Ilmenite, pyrite.
								45-55 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...52.0.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO2/m³
 Total recovered tin.....2.79.....g SnO2 Grade 2 at52.0.....m2.....g SnO2/m³

604150

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5452200 mN DRILLING METHOD Reverse HOLE No. K.187
 SURFACE R.L. 98.6 m BASEMENT R.L. 52.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 12/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	14	112.1	0.12	0.19	13.7	10.1	0-1 Brown silts, medium sand.
3	5	13	see sizing results		5.416	416.6	425.1	1-3 Dark and light grey clayey silts.
5	7	20	80.0	0.15	0.17	8.6	8.6	3-4.5 Fine-medium sands with minor (4.5) stiff brown-grey clays.
7	9	16	81.3	0.08	0.09	5.8	5.8	
9	11	15	79.0	0.09	0.1	6.8	8.0	4.-6.3 Stiff brown-grey clay.
11	13	11	98.3	0.02	0.03	2.6	2.2	6.3-8.0 Medium-coarse sands.
13	15	18	82.8	0.10	0.12	6.6	6.6	8.0-9.0 Stiff dark brown clays with wood fragments.
15	17	21	84.8	0.04	0.05	2.3	2.3	
17	19	14	77.3	0.11	0.12	8.7	9.5	9.0-10.0 Fine-medium sands and dark brown silts, some wood fragments, pyrite nodules.
19	21	18	100.3	0.04	0.06	3.2	3.2	
21	23	18	92.3	0.08	0.11	5.9	5.9	10.0-10.8 Medium-coarse sands.
23	25	14.5	88.3	0.06	0.08	5.2	5.9	10.8-14.8 Dark brown clays, wood fragments fine sands and silts.
25	27	24	79.8	0.11	0.13	5.2	5.2	
27	29	16	92.8	0.02	0.03	1.7	1.7	14.8-15.5 Medium to coarse sand with grey silt.
29	31	12.5	94.8	0.06	0.08	6.5	6.4	15.5-18.5 Fine-medium sands with wood fragments, becoming coarser, minor wash.
31	33	23	80.0	0.03	0.03	1.5	1.5	
33	35	26	80.0	0.08	0.09	3.5	3.5	18.5-20.0 Oily black silts and dark brown clays.
35	37	46.5	83.7	0.04	0.05	1.0	1.0	20.0-23.5 Medium-coarse sands with minor fine sands and brown silts.
37	39	19	80.0	0.13	0.15	7.8	7.8	
39	41	5.5	80.0	0.20	0.22	41.6	17.9	23.5-24.0 Stiff brown clays and silty clays.
41	43	20	90.0	0.06	0.08	3.9	3.9	24.0-25.0 Fine sands, minor small wash, some birdseye.
43	45	13	220.0	0.01	0.03	2.4	2.5	
45	47	7	80.0	0.11	0.13	18.0	9.9	25.0-26.5 Oily black silts, minor coarse sands.
47	48	3	82.0	0.06	0.07	23.4	11.0	26.5-27.5 Stiff brown clays with wood fragments minor sands.
48	49	3	91.8	0.07	0.09	30.6	14.4	27.5-28.5 Medium-coarse sands, some pyrite.
								28.5-29.0 Oily black silts, minor sands.
								29.0-31.0 Coarse sands with minor stiff brown clay

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 46.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 7.9 g SnO2

Grade 2 at 46.0 m 25.0 g SnO2/m³

G O 1

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES 526500.....mE..... 5452200.....mN DRILLING METHOD Reverse..... HOLE No. K 187.....
 SURFACE R.L. 98.6.....m BASEMENT R.L. 52.6.....m CUTTING SHOE/ BIT DIAMETER 100 mm..... THEORETICAL VOLUME 15.92.....Circulation litres PAGE 2.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore.. ASSAY METHOD XRF..... GEOLOGIST S. Douglas..... DATE 12/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								31.0-34.8 Fine medium sands, minor wood fragments
								34.8-39.0 Medium to coarse sands, minor pyrite, birdseye, grey clay.
								39.0-44.5 Medium-coarse sands, small quartz sandstone wash, minor clays, pyrite nodules.
								44.5-46.0 Clayey silts, some felspar.
								46.0-49.0 Granite (felspar, quartz grains).
								<u>Sample Washer's Heavy Mineral Description:</u>
								0-3 Ilmenite, monazite.
								3-5 Tin, ilmenite, monazite.
								5-7 Fine Trace tin, ilmenite, monazite.
								7-9 " " " " "
								9-49 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 46.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 7.9 litres

Grade 1 atm g SnO2/m³

Total recovered tin 7.9 g SnO2

Grade 2 at 46.0 m 25.0 g SnO2/m³

004152

AUSTRALIAN ANGLO AMERICAN LTD. K 187 RC

Cassiterite Sizing Results

Hole

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>3-5 m</u>					
	plus 22	.71	0.028	0.52	0.52
SAMPLE VOLUME <u>13 l</u>	plus 30	.5	0.056	1.04	1.56
GRADE <u>425.1 g/m³</u>	plus 60	.25	0.167	3.09	4.65
TOTAL GRAMS OF SnO ₂ <u>5.4</u>	plus 120	.125	2.838	52.56	57.21
	minus 120		2.327	43.09	100.30
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604153

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 ME 5452400 MN DRILLING METHOD Reverse HOLE No. K 188
 SURFACE R.L. 102.4 m BASEMENT R.L. 52.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 12/11/82 PAGE 1 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	83.6	0.03	0.04	3.6	1.9	0.-0.5 Medium-coarse sands, black silts, with medium-coarse sands.
3	5	6.5	90.0	0.07	0.09	13.9	7.1	
5	7	13	90.0	0.07	0.09	6.9	7.1	2.5-4.5 Clays, stiff white and ochre clays.
7	9	13	80.0	0.05	0.06	4.4	4.5	4.5-6.0 Coarse sand with black silts.
9	11	13	100.4	0.06	0.09	7.3	7.4	6.0-8.0 " " " brown silts.
11	13	16	82.2	0.08	0.09	5.9	5.9	8.0-8.5 " " " Stiff white clays.
13	15	11.5	86.9	0.05	0.06	5.4	4.9	8.5-10.8 Fine-medium sands, minor clay.
15	17	12.5	99.5	0.04	0.06	4.5	4.5	10.8-11.0 Medium-coarse sands, some birdseye.
17	19	12	84.9	0.03	0.04	3.0	2.9	11.0-15.0 Stiff dark brown clays with wood fragments.
19	21	19	116.0	0.03	0.05	2.6	2.6	
21	23	14.5	103.9	0.11	0.16	11.3	12.8	15.0-17.0 Medium sands, minor coarse sands some wood fragments.
23	25	13	80.0	0.04	0.05	3.5	3.6	
25	27	17	85.6	0.04	0.05	2.9	2.9	17.0-18.5 Stiff brown, brown-grey clays with wood fragments.
27	29	17	89.7	0.19	0.24	14.3	14.3	
29	31	17	88.3	0.04	0.05	3.0	3.0	18.5-19.0 Fine-medium sands.
31	33	8	90.0	0.10	0.13	16.1	10.1	19.0-20.5 Medium-coarse sands.
33	35	9	96.0	0.02	0.03	3.1	2.2	20.5-28.75 Stiff grey brown clays with minor fine medium sands, some pyrite, some wood fragments.
35	37	9.5	90.0	0.07	0.09	9.5	7.1	
37	39	14	114.5	0.05	0.08	5.8	6.4	
39	41	10	80.4	0.04	0.05	4.6	3.6	28.75-30.5 Medium-coarse sands, some birdseye.
41	43	15	127.9	0.08	0.15	9.7	11.5	30.5-32.8 Stiff brown clays with minor fine sands.
43	45	19	123.6	0.06	0.1	5.6	5.6	32.8-47.5 Small wash and coarse sands, some birdseye and sandstone wash, minor clays.
45	47	9	91.9	0.06	0.08	8.8	6.2	
47	49	13.5	83.4	0.06	0.07	5.3	5.6	47.5-48.5 Fine-medium sands.
49	51	8	82.4	0.07	0.08	10.3	6.5	48.5-49 Grey-green clay, minor stiff white clay.
51	53	7	83.5	0.01	-	-	-	49-53 Granite (felspar and quartz grains).
								Basement at 48.5

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 48.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m g SnO2/m³

Total recovered tin 1.1 g SnO2

Grade 2 at 48.5 m 6.2 g SnO2/m³

FACT 100

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES...576500.....mE.....5452400.....mN DRILLING METHOD...Reverse..... HOLE No...K.188.....
 SURFACE R.L...102.4.....m BASEMENT R.L...52.4.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100.....mm..... VOLUME.....15.92.....litres PAGE...2.....of.....2.....
 DRILLER R. Miller SAMPLE WASHER...S. Moore ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...12/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample Sample Washer's Heavy Mineral Descriptions:
								0-15 Ilmenite, monazite.
								15-27 Pyrite.
								27-33 Monazite, ilmenite.
								33-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...50.0.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin.....1.1.....g SnO2 Grade 2 at50.0.....m6.2.....g SnO2/m³

604155

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 576500 mE... 5452600 mN DRILLING METHOD... Reverse HOLE No... K189-R.C.
 SURFACE R.L. 94.9 m BASEMENT R.L. 47.9 m CUTTING SHOE/ BIT DIAMETER... 100 mm THEORETICAL CIRCULATION VOLUME... 15.92 litres PAGE... 1 of 2
 DRILLER... R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... S. Douglas DATE... 12/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	8	85.5	0.03	0.04	4.58	1.92	0-6.0 Medium-coarse sands dark brown silts and minor fine sands.
3	5	13	93.2	0.04	0.05	4.10	4.18	
5	7	11	98.1	0.05	0.07	6.37	5.50	6.0-8.7 Light brown silty clay minor fine-medium sands, minor wood fragments.
7	9	12	84.6	0.04	0.05	4.03	3.79	
9	11	12.5	89.1	0.04	0.05	4.07	4.00	8.7-11.0 Medium-coarse sands, dark brownish silts and minor stiff brown clays.
11	13	13	82.0	0.08	0.09	7.21	7.36	
13	15	11	78.7	0.04	0.04	4.09	3.53	11.0-12.8 Fine-medium sands dark brownish silts.
15	17	13	109.3	0.02	0.03	2.40	2.5	
17	19	10	50.7	0.27	0.20	19.6	15.4	15.8-23.0 Stiff grey and grey-blue clays, some pyrite.
19	21	10.5	113.3	0.01	0.02	1.5	1.3	
21	23	3	83.3	0.06	0.07	23.8	5.6	23.0-26.5 Quartz and sandstone wash, some birdseye, minor coarse sand.
23	25	20	88.3	0.26	0.33	16.4	16.4	
25	27	19	101.2	0.25	0.36	19.0	19.0	26.5-27 Stiff dark brown clays and wood fragments.
27	29	13.5	80.0	0.83	0.95	70.3	74.5	
29	31	10	87.8	0.04	0.05	5.0	3.9	28-32.8 Medium to coarse sands, wash.
31	33	9.5	88.7	0.07	0.09	9.3	7.0	
33	35	12.5	121.3	0.03	0.05	4.2	4.1	34-36.5 Wood fragments and stiff brown clays.
35	37	14	128.9	0.07	0.13	9.2	10.1	
37	39	11.5	91.6	0.10	0.13	11.4	10.3	36.5-43.0 Coarse sands with wash, minor stiff mottled blue grey and grey clays, medium to fine sands with wash (quartz and sandstone).
39	41	7.5	98.8	0.07	0.10	13.2	7.8	
41	43	8	91.0	0.05	0.07	8.1	5.1	43.0-44.5 Blue grey sandy clays, fine sands.
43	45	23.5	80.7	0.11	0.13	5.4	5.4	
45	47	6	129.8	0.04	0.07	12.4	5.8	44.5-46.8 Coarse sands and sandstone wash.
47	49	10	80.8	0.03	0.03	3.5	2.7	
49	50	4	88.5	0.03	0.04	9.5	6.0	46.8-50.0 Weathered granite (quartz grains, pink feldspar).
Basement at 46.8.								
<u>Sample Washer's Heavy Mineral Descriptions:</u>								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 47.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... litres

Grade 1 at m g SnO2/m³

Total recovered tin... 3.24 g SnO2

Grade 2 at... 47.0 m 9.8 g SnO2/m³

604156

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K189
 SURFACE R.L. 94.9 m BASEMENT R.L. 47.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 12/11/82
 PAGE 2 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								0-7 Ilmenite, monazite.
								7-9 Ilmenite, pyrite.
								9-50 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 47.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 3.24 litres Grade 1 at 47.0 m 9.8 g SnO2/m³
 Total recovered tin 3.24 g SnO2 Grade 2 at 47.0 m 9.8 g SnO2/m³

604157

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA.. Pioneer COLLAR CO-ORDINATES... 576500mE... 5452800mN DRILLING METHOD... Reverse..... HOLE No... K.190.....
 SURFACE R.L... 94.0m BASEMENT R.L... 45.5m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER... 100 mm..... VOLUME... 15.92litres PAGE... 1of... 2
 DRILLER... R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... S. Douglas DATE... 12/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	2.5	92.2	0.08	0.11	42.2	5.5	0-2.8 Coarse sands and dark brown silt, brown clay.
3	5	8	96.2	0.09	0.12	15.5	9.7	
5	7	9	83.5	0.04	0.05	5.3	3.8	2.8-3.5 White silty clays, fine sands and ochre silts.
7	9	9	80.0	0.04	0.05	5.1	3.6	
9	11	13.5	100.8	0.06	0.09	6.4	6.8	5.0-8.5 Coarse sands, some small wash.
11	13	12	84.8	0.01	-	-	-	8.5-10.8 Fine-medium sands, some small wash.
13	15	15	80.0	0.08	0.09	6.1	7.2	10.8-14.0 Medium-coarse sands with minor stiff ochre clays.
15	17	12.5	90.0	0.05	0.06	5.1	5.1	
17	19	12	88.7	0.07	0.09	7.4	7.0	14.0-17.0 Stiff dark brown clays.
19	21	12.5	82.0	0.07	0.08	6.6	6.4	17.0-18.6 Silty white clays.
21	23	14.5	82.2	0.09	0.11	7.3	8.3	18.6-22.8 Fine-medium sands with minor stiff clays.
23	25	14.5	81.6	0.23	0.27	18.5	21.1	22.8-27.5 Medium to coarse sands with some wash.
25	27	14	116.5	0.16	0.27	19.0	20.9	27.5-29.0 Fine medium sands and dark brown clayey silts, some small wash.
27	29	20	89.7	0.10	0.13	6.4	6.4	
29	31	11	85.6	0.05	0.06	5.6	4.8	29.0-33.2 Medium to coarse sands, some small wash, some birdseye.
31	33	13.5	84.3	0.03	0.06	4.5	4.7	
33	35	12	105.7	0.27	0.41	33.0	32.0	33.2-34.8 Stiff grey clays with wood fragments and minor silts.
35	37	8	90.0	0.24	0.31	38.6	24.2	
37	39	8	84.1	0.11	0.13	16.5	10.4	34.8-40.0 Fine-medium sands, small wash, sandstone wash, minor brown clays.
39	41	8.5	82.0	0.07	0.08	9.6	6.4	
41	43	11	80.1	0.10	0.11	10.4	9.0	40.0-46.0 Coarse sand, some sandstone wash with minor grey and grey, green clays, and small quartz grains.
43	45	10	89.7	1.02	1.31	130.7	102.6	
45	47	9	83.6	0.71	0.85	94.2	66.6	
47	49	16	see sizing results		48.94	3058.6	3058.6	46.0-47.0 Some small wash and coarse sands.
49	51	7	"	"	"	12.43	975.7	47.0-49 Fine-medium sands and small wash.
51	53	4.5	80.0	0.16	0.18	40.6	14.4	49-53 Granite, (quartz and felspar grains).

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 48.5m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin... 66.4g SnO2

Grade 2 at... 48.5m 182.4g SnO2/m³

G01175

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES.....576500.....mE.....5452800.....mN DRILLING METHOD.....Reverse..... HOLE No...K..190.....
 SURFACE R.L. 94.0m BASEMENT R.L. 45.5m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER..... 100 mm..... VOLUME.....15.92.....litres PAGE..2.....of....2.....
 DRILLER R. Miller..... SAMPLE WASHER.....S. Moore ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE 12/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Description:</u>
								0-29 Ilmenite, monazite.
								29-43 Pyrite.
								43-45 Trace tin, pyrite.
								45-47 Fine trace tin, pyrite.
								47-49 Large amount tin, ilmenite, pyrite, zircon rare topaz.
								49-51 Tin, ilmenite, pyrite, zircon.
								51-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at.....48.4.....m
 Total recovered volume, surface to basement..... litres
 Total recovered tin.....66.4.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at g SnO2/m³
 Grade 2 at.....48.5.....m.....182.4.....g SnO2/m³

604159

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K 190

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>47-49</u>					
	plus 22	.71	1.87	3.8	3.8
SAMPLE VOLUME <u>16 L</u>	plus 30	.5	2.60	5.3	9.1
GRADE <u>3058.6 g/m³</u>	plus 60	.25	18.20	37.2	46.3
TOTAL GRAMS OF SnO ₂ <u>48.94</u>	plus 120	.125	23.96	48.9	95.3
	minus 120		2.30	4.7	100.0
Sample Interval <u>49-51</u>					
	plus 22	.71	0.17	1.4	1.4
SAMPLE VOLUME <u>7 L</u>	plus 30	.5	1.61	13.0	14.4
GRADE <u>975.7 g/m³</u>	plus 60	.25	5.57	44.8	59.2
TOTAL GRAMS OF SnO ₂ <u>12.43</u>	plus 120	.125	1.77	14.2	73.4
	minus 120		3.32	26.7	100.0
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES...576.100.....mE.....5453.100.....mN DRILLING METHOD.....Reverse..... HOLE No. K.191..RC...
 SURFACE R.L. 109.8.....m BASEMENT R.L. 43.1.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.....1.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE.....15/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	11	80.0	0.07	0.08	7.3	4.2	0-5 Red silty clay, coarse-medium sand.
3	5	10	80.2	0.01	0.01	1.2	0.9	5-7 Ochre clays.
5	7	8	80.6	B.L.D.	-	-	-	7-11 Stiff white clays with minor silts and grits; minor ochre clayey silts; minor fine sands.
7	9	8	111.8	C.01	0.02	2.0	1.3	
9	11	14	80.7	B.L.D.	-	-	-	11.0-14.5 Stiff light brown and grey clays.
11	13	10	80.0	0.01	0.01	1.1	0.9	
13	15	9	96.2	0.11	0.15	16.8	11.9	14.5-21.0 Medium to coarse sands, minor fine sands and silts, some birdseye.
15	17	12.5	94.0	0.04	0.05	4.3	4.2	
17	19	13	82.8	0.06	0.07	5.5	5.6	21.0-22.0 Fine sands, minor coarse sand.
19	21	13	83.0	0.05	0.06	4.6	4.7	22.0-27.0 Coarse sands and small wash, some birds-eye, minor fine sands.
21	23	20	85.6	0.22	0.27	13.5	13.5	27.0-29.75 Light grey clays, some wood fragments.
23	25	16	87.6	0.04	0.05	3.1	3.1	
25	27	18	82.7	0.05	0.06	3.3	3.3	29.75-32.5 Coarse sands, some medium sands, small wash some birdseye.
27	29	3.5	80.0	0.03	0.03	9.8	2.7	
29	31	20	85.5	0.25	0.31	15.3	15.3	32.5-34.8 Wash, large sandstone, smaller quartz pebbles.
31	33	11	82.4	0.30	0.35	32.1	27.7	
33	35	13.5	80.6	1.03	1.19	87.9	93.1	34.8-35.5 Stiff white clays minor sands.
35	37	18	80.9	0.99	1.14	63.6	63.6	35.5-45 Medium to coarse sands, small wash; minor white clays and fine sands.
37	39	14.5	80.0	0.72	0.82	56.8	64.6	
39	41	10	98.6	0.96	1.35	135.2	106.1	45-47 Large wash with minor fine sands and clays.
41	43	11	91.4	0.26	0.34	30.9	26.7	47-55 Medium - coarse sand and small wash; minor silts and grey sandy clays.
43	45	9	90.5	0.09	0.12	12.9	9.1	
45	47	11	80.2	0.07	0.08	7.3	6.3	55-58.0 Stiff mottled ochre-grey clays with minor fine sands, pyrite nodules.
47	49	10	80.0	0.07	0.08	8.0	6.3	
49	51	8	86.6	0.08	0.10	12.4	7.8	58.0-59.0 Small wash and sandstone fragments.
51	53	7	87.8	0.06	0.08	10.8	5.9	
53	55	11	116.0	0.21	0.35	31.6	27.3	59.0-61 Stiff grey and grey-blue clays, minor wash sandstone clays.
55	57	11	91.1	0.04	0.03	2.4	2.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....64.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....9.75.....g SnO2

Grade 2 at64.....m22.3.....g SnO2/m³

60416

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576.100 mE. 5453100 mN DRILLING METHOD Reverse HOLE No. K.191.R.C
 SURFACE R.L. 109.8 m BASEMENT R.L. 43.1 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 15/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
57	59	9.5	82.3	0.07	0.08	8.7	6.5	61-64	Small wash and coarse sands, some birds-eye.
59	61	8	81.5	0.08	0.09	11.6	7.3		
61	63	20	115.0	0.16	0.26	13.1	13.1	64-64.5	Stiff blue grey clay and light ochre clays.
63	65	12	80.0	1.04	1.19	99.1	93.3		
65	67	7.5	90.0	0.67	0.86	114.9	67.6	64.5-69	Coarse sands, and sandy clays, feldspars and quartz grains (weathered granite).
67	69	6	121.4	0.04	0.07	11.6	5.5		
									Basement at 64.0.
									<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-13	Trace of ilmenite.
								13-29	Ilmenite, monazite.
								29-33	Fine trace tin, ilmenite, monazite.
								33-35	Small amount tin, ilmenite, monazite.
								35-37	Fine trace tin, ilmenite, monazite.
								37-43	Trace tin, ilmenite, monazite.
								43-57	Ilmenite, pyrite.
								57-65	Pyrite.
								65-69	Trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 64 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 9.75 litres

Grade 1 at 64 m 22.3 g SnO2/m³

Total recovered tin 9.75 g SnO2

Grade 2 at 64 m 22.3 g SnO2/m³

604162

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 m E 5453000 m N DRILLING METHOD Reverse HOLE No. K.192
 SURFACE R.L. 102.5 m BASEMENT R.L. 44.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 15/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
0	3	11	90.0	0.09	0.12	10.5	6.1	0-1 Top soil.
3	5	7	87.4	0.03	0.04	5.4	2.9	1-5 Stiff ochre clays, white ochre mottled clays.
5	7	16	80.0	0.05	0.06	3.6	3.6	5-6 Medium to coarse sands.
7	9	13	129.0	0.04	0.07	5.7	5.8	
9	11	12	102.5	0.22	0.32	26.9	25.3	6-7 Fine-medium sands and dark brown silts.
11	13	25	87.0	0.12	0.15	6.0	6.0	7-8.2 Stiff light brown clays.
13	15	16	81.4	0.12	0.14	8.7	8.7	8.2-10.5 Clean fine-medium sands, minor coarse sands, minor clays.
15	17	16	80.0	0.31	0.35	22.1	22.1	
17	19	16	80.0	0.21	0.24	15.0	15.0	10.5-18.5 Coarse sands and small wash, some birdseye.
19	21	9	140.0	0.02	0.04	4.4	3.1	
21	23	11	102.6	0.16	0.23	21.3	18.4	18.5-23.0 Stiff grey-brown clays and clayey silt.
23	25	14.5	90.1	0.34	0.44	30.2	34.4	23.0-36.0 Medium-coarse sands, some small wash, minor fine sands, some large sandstone wash.
25	27	11.5	134.2	0.20	0.38	33.3	30.1	36.0-38.8 Clayey silts, with some large wash, minor stiff clays.
27	29	11	90.2	0.76	0.98	89.0	76.9	
29	31	13	97.4	0.97	1.35	103.8	105.9	38.8-48.8 Sandstone rockchips, medium-coarse sands and wash.
31	33	12	80.0	0.76	0.87	72.4	68.2	
33	35	15	88.7	0.68	0.86	57.4	67.6	48.8-50.5 Stiff grey clays, minor coarse sands and wash.
35	37	9	102.3	0.18	0.26	29.2	20.7	
37	39	8	93.8	0.09	0.12	15.1	9.5	50.5-57.0 Coarse sands and small wash; minor stiff grey clays; some birdseye.
39	41	8	89.4	0.13	0.17	20.8	13.0	
41	43	20	92.5	0.13	0.17	8.6	8.6	57.0-58.5 Medium-coarse sands, some birdseye, minor grey clays.
43	45	17	86.4	0.07	0.09	5.1	5.1	
45	47	12	123.9	0.08	0.14	11.8	11.1	58.5-63.0 Medium-coarse quartz grains, felspar, (granite).
47	49	13	83.6	0.13	0.16	11.9	12.2	
49	51	9	110.0	0.09	0.14	15.7	11.1	Basement at 58.5
51	53	10	93.5	0.08	0.11	10.7	8.4	
53	55	17	110.0	0.15	0.24	13.9	13.9	
55	57	23.5	91.3	1.89	2.47	104.9	104.9	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 58.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO₂/m³

Total recovered tin 13.88 g SnO₂

Grade 2 at 58.5 m 33.2 g SnO₂/m³

604163

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE. 5453000 mN DRILLING METHOD Reverse HOLE No. K 192.
 SURFACE R.L. 102.5 m BASEMENT R.L. 44.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 15/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	13	87.1	1.31	1.63	125.4	127.9	<u>Sample Washer's Heavy Mineral Description:</u>
59	61	9	135.2	0.74	1.43	158.8	112.2	
61	63	5	80.8	0.11	0.13	25.4	10.0	
								0-9 Ilmenite, monazite.
								9-13 Fine trace tin, ilmenite, monazite.
								13-23 Ilmenite, monazite.
								23-37 Trace tin, ilmenite, monazite.
								37-43 Ilmenite, pyrite.
								43-55 Pyrite.
								55-57 Fine trace tin, pyrite.
								57-61 Trace tin, pyrite.
								61-63 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at 58.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 13.88 litres

Grade 1 at 58.5 m 33.2 g SnO2/m³

Total recovered tin 13.88 g SnO2

Grade 2 at 58.5 m 33.2 g SnO2/m³

604164

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA..Pioneer..... COLLAR CO-ORDINATES...576000.....mE.....5453000.....mN DRILLING METHOD.....Reverse..... HOLE No...K193.....
 SURFACE R.L.....101.0.....m BASEMENT R.L.....47.6.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE...1...of...2.....
 DRILLER..R. Miller..... SAMPLE WASHER..S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE..15/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	7	85.0	0.05	0.06	8.7	3.2	0-5 Coarse sands and black silts.
3	5	6	81.3	0.02	0.02	3.9	1.8	5-10.5 Fine silts and sands.
5	7	2	86.6	0.08	0.10	49.5	7.8	10.5-12.5 Coarse sands and some birdseye.
7	11	5.5	110.4	0.01	0.02	2.9	1.2	12.5-14.8 Fine-medium sands, some small wash.
11	13	9.5	100.6	0.06	0.09	9.1	6.8	14.8-15.0 Stiff clays.
13	15	8	100.0	0.04	0.06	7.1	4.5	15.0-21.0 Medium to coarse sands, minor fine sands and clays.
15	17	17	82.4	0.15	0.18	10.4	10.4	
17	19	13	102.7	0.05	0.07	5.6	5.8	21.0-22.5 Silty clays.
19	21	8	121.9	0.05	0.09	10.9	6.8	22.5-44.5 Medium to coarse sands some small wash, becoming coarser, some birdseye; minor silts and clays.
21	23	13	88.9	0.07	0.09	6.8	6.9	
23	25	21	94.5	0.80	1.08	51.4	51.4	44.5-54.0 Stiff grey clay with minor coarse sands and small wash; sandstone fragments.
25	27	17	80.0	0.70	0.80	47.1	47.1	
27	29	22	97.3	0.16	0.22	10.1	10.1	54.0-59.0 Quartz grains, some felspar with grey silty clays, (weathered granite).
29	31	20.5	80.0	0.64	0.73	35.7	35.7	
31	33	7	98.4	0.20	0.28	40.2	22.1	Basement at 54.0 m.
33	35	9	80.4	0.27	0.31	34.5	24.3	
35	37	8	90.9	0.13	0.17	21.1	13.3	Sample Washer's Heavy Mineral Descriptions:
37	39	6	80.3	0.10	0.11	19.1	9.0	
39	41	8	90.0	0.04	0.05	6.43	4.0	0-11 Trace ilmenite.
41	43	10.5	91.8	0.06	0.08	7.5	6.2	11-23 Ilmenite, monazite.
43	45	10	80.0	0.82	0.94	93.7	73.6	23-27 Fine trace tin, ilmenite, monazite.
45	47	8	93.6	0.19	0.25	31.8	20.0	27-29 Fine trace tin, pyrite.
47	49	12	110.0	0.15	0.24	19.6	18.5	29-35 Trace tin, ilmenite, monazite.
49	51	9.5	78.1	0.08	0.09	9.4	7.0	35-37 Fine trace tin, ilmenite, monazite.
51	53	15	80.2	1.15	1.32	87.8	103.4	37-43 Ilmenite, pyrite.
53	55	7	see sizing results		5.83	832.24	457.3	43-45 Fine tin, pyrite.
55	57	6	89.5	0.18	0.23	38.4	18.1	45-47 Fine trace tin, pyrite.
57	59	4	128.8	0.13	0.24	59.8	18.8	47-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....54.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....14.21.....g SnO2

Grade 2 at54.....m38.3.....g SnO2/m³

604165

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5453000 mN DRILLING METHOD Reverse HOLE No. K.193
 SURFACE R.L. 101.0 m BASEMENT R.L. 47.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 circulation litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 15/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
								53-55 Tin, ilmenite, pyrite.
								55-57 Fine trace tin, pyrite.
								57-59 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 54 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO₂/m³
 Total recovered tin 14.21 g SnO₂ Grade 2 at 54 m 38.3 g SnO₂/m³

604166

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K 193 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>53-55</u>					
	plus 22	.71	0.107	1.84	1.84
SAMPLE VOLUME <u>7.01</u>	plus 30	.5	1.0016	17.18	19.02
GRADE <u>457.3 g/m³</u>	plus 60	.25	2.6481	45.42	64.44
TOTAL GRAMS OF SnO ₂ <u>5.83</u>	plus 120	.125	1.8153	31.13	95.57
	minus 120		0.2538	4.35	99.92
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604167

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5453100 mN DRILLING METHOD Reverse HOLE No. K.194 RC.
 SURFACE R.L. 112.8 m BASEMENT R.L. 44.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
0	3	4	82.4	0.32	0.38	94.2	19.7	0-1 Grey-yellow silty sands.
3	5	8	128.3	0.03	0.05	6.9	4.3	1.-2.5 No recovery.
5	7	9.5	82.0	0.04	0.05	4.9	3.7	2.5-3 Brown clayey silty.
7	9	9	111.0	0.03	0.05	5.3	3.7	3-6 Brown-yellow silty coarse sand and small drift.
9	11	9.5	91.8	0.02	0.03	2.7	2.1	6-6.4 Yellow tenaceous gritty clay.
11	13	10	80.2	0.03	0.03	3.4	2.7	6.4-6.7 Light grey gritty clay.
13	15	13	95.4	0.02	0.03	2.1	2.1	6.7-9 Yellow-brown silts and drift with thin clay layers.
15	17	17	90.5	0.03	0.04	2.3	2.3	9-12.0 Light grey tenaceous slightly gritty clays.
17	19	14	80.0	0.02	0.02	1.6	1.8	12.0-12.4 Yellow coarse sands and drift, silt.
19	21	11	83.0	0.05	0.06	5.4	4.7	12.4-13 Mottled grey-orange-yellow-tenaceous clays.
21	23	13	99.4	0.02	0.03	2.2	2.2	13-18.6 Tenaceous grey pure clay.
23	25	12	69.8	0.07	0.07	5.8	6.5	18.6-21 Slightly silty brown-yellow drift and coarse sand.
25	27	14.5	90.0	0.25	0.32	22.2	25.2	21-25 Silty grey drift and coarse sand.
27	29	12	88.6	0.77	0.97	81.2	76.5	25-27 Yellow silty grey drift and coarse sand-smokey quartz component of the drift-notable.
29	31	14	86.2	0.06	0.07	5.3	5.8	27-34 Grey-brown silty drift and sand, thin soft grey clay beds eg, 30.7, 31.3.
31	33	12	87.1	0.19	0.24	19.7	18.6	34-35 Yellow silts, coarse drift, coarse sand thin band of ferruginous cement, rare small wash.
33	35	17.5	89.4	0.11	0.14	8.0	8.0	35-46 Brown silts, coarse drift, coarse sand, small to medium wash.
35	37	11.5	83.9	0.17	0.20	17.7	16.0	
37	39	11	118.8	0.12	0.20	18.5	16.0	
39	41	13.5	92.5	0.31	0.41	30.3	32.2	
41	43	19	89.5	0.20	0.26	13.5	20.1	
43	45	7	115.5	0.15	0.25	35.4	19.4	
45	47	9	81.0	0.30	0.35	38.6	27.3	
47	49	8	83.5	0.20	0.24	29.8	18.7	
49	51	5	85.7	0.06	0.07	14.7	5.8	
51	53	8	83.2	0.13	0.15	19.3	12.1	
53	55	9	107.0	0.13	0.20	22.1	15.6	
55	57	9	114.7	0.12	0.20	21.9	15.4	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 68.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 10.26 litres

Grade 1 at 68.0 m 21.4 g SnO2/m³

Total recovered tin 10.26 g SnO2

Grade 2 at 68.0 m 21.4 g SnO2/m³

604168

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5453100 mN DRILLING METHOD Reverse HOLE No. K.194.R.C.
 SURFACE R.L. 112.8 m BASEMENT R.L. 44.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	10	86.2	0.11	0.14	13.6	10.6	46-46.2 Grey clay layer.
59	61	15	125.3	0.12	0.21	14.3	16.9	46.2-46.8 Brown silts, drift, small to large wash
61	63	22	92.5	0.14	0.19	8.4	8.4	(all types) sand.
63	65	15	125.1	1.06	1.89	126.3	148.7	46.8-47 Yellow brown silts.
65	67	22.5	80.0	1.15	1.31	58.4	58.4	47-62 Light brown silt, coarse sand, drift
67	69	17	96.3	0.86	1.18	69.6	69.6	small-medium wash. Also grey clayey
69	70	1.5	166.7	0.06	0.14	95.3	22.4	silt with depth. Larger wash from 50.
70	71	2	80.8	0.07	0.08	40.4	12.7	Grey clay layers at 52.6; 53.9; 60.1; etc.
								62-68 Layers of sandy yellow-grey clay from 54.4.
								Grey sometimes silty clays, often light,
								coarse sand, drift, rare small wash.
								Birdseye wash noted about 64.5.
								68-68 Grey clay.
								68-71 Granite basement.
								Sample Washer's Heavy Mineral Descriptions:
								0-19 Trace ilmenite.
								19-25 Ilmenite, monazite.
								25-27 Fine trace tin, ilmenite, monazite.
								27-29 Trace tin, ilmenite, monazite.
								29-31 Ilmenite, monazite.
								31-35 Fine trace tin, ilmenite, monazite.
								35-39 Ilmenite, monazite.
								39-43 Trace tin, ilmenite, monazite.
								43-45 Ilmenite, monazite.
								45-47 Trace tin, ilmenite, monazite.
								47-51 Ilmenite, monazite.
								51-53 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 68.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 10.26 litres Grade 1 at 68.0 m 21.4 g SnO2/m³
 Total recovered tin 10.26 g SnO2 Grade 2 at 68.0 m 21.4 g SnO2/m³

604169

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE. 5453100 mN DRILLING METHOD Reverse HOLE No. K194 RC.
 SURFACE R.L. 112.8 m BASEMENT R.L. 44.8 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 3 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore .. ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								53-55 Ilmenite, pyrite.
								55-57 Fine trace tin, ilmenite, pyrite.
								57-59 Ilmenite, pyrite.
								59-63 Pyrite.
								63-65 Small amount tin, ilmenite, pyrite.
								65-67 Trace tin, ilmenite, pyrite.
								67-70 Pyrite, ilmenite.
								70.71 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Drillers reported basement at 68.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at g SnO2/m³
 Total recovered tin 10.26 g SnO2 Grade 2 at 68.0 m 21.4 g SnO2/m³

604170

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576500.....mE...5451663.....mN DRILLING METHOD...Reverse..... HOLE No...K...195-RC
 SURFACE R.L...104.7.....m BASEMENT R.L...102.2.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...1...of...1.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...16/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
From m	To m							
0	3	4	80.5	0.03	0.03	8.6	1.8	0-2 Coarse sand and grit.
3	5	2	132.5	0.07	0.13	66.3	10.4	2-2.5 Brown silty grit and sand.
								2.5-5 Decomposed granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Monazite, ilmenite.
								3-5 No trace of mineral.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...2.5.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO₂/m³
 Total recovered tin.....0.16.....g SnO₂ Grade 2 at2.5.....m2.2..... g SnO₂/m³

604171

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576300 mE 545300 mN DRILLING METHOD Reverse HOLE No. K196..RC..
 SURFACE R.L. 99.4 m BASEMENT R.L. 48.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 19/11/82.

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	11	86.0	0.04	0.05	4.5	2.6	0-2 Coarse sands and ochre silts.
3	5	10	87.7	0.03	0.04	3.8	3.0	2-6 Stiff ochre and light grey clays.
5	7	6	101.7	0.07	0.10	17.0	8.0	6-8 Fine sands and ochre silts.
7	9	10	80.8	0.05	0.06	5.8	4.5	8-13.5 Fine medium sands and grey silt; minor coarse sand.
9	11	8.5	96.6	0.04	0.06	6.5	4.3	
11	13	9	99.1	0.02	0.03	3.2	2.2	13.5-19.0 Stiff grey clays; minor medium-coarse sands.
13	15	14	85.9	0.03	0.04	2.6	2.9	
15	17	13	84.0	0.02	0.02	1.9	1.9	19-22.5 Fine sands and silts; minor coarse sands
17	19	14	81.4	0.03	0.03	2.5	2.7	22.5-29.0 Coarse sands and small wash; minor pure medium sands.
19	21	18	97.0	0.10	0.14	7.7	7.7	
21	23	13	102.0	0.18	0.26	20.2	20.6	29.0-33 Wash with coarse sands, some birdseye, ochre silts.
23	25	14.5	103.2	0.18	0.27	18.3	20.9	
25	27	12.5	83.6	0.66	0.79	63.1	61.9	33-37 Sandstone wash and chips with coarse sand, small wash, minor grey clays.
27	29	17	84.5	0.81	0.98	57.5	57.5	
29	31	17	90.9	0.13	0.17	9.9	9.9	37-38.0 Stiff grey clays; silty clays.
31	33	15	80.0	0.21	0.24	16.0	18.8	38.0-45.0 Coarse sands small wash, some birdseye; minor clays.
33	35	8	83.4	0.16	0.19	23.8	15.0	
35	37	10	93.9	0.16	0.21	21.5	16.9	45.0-47.0 Stiff grey and grey-blue silty clays with coarse sands; minor wash.
37	39	11	99.4	0.23	0.33	26.7	25.6	
39	41	17	109.4	0.25	0.39	23.0	23.0	47-49.0 Medium sands, sandstone chips, minor grey silty clays.
41	43	9	93.3	0.20	0.27	29.6	20.9	
43	45	8	91.0	0.21	0.27	34.1	24.4	49-51.2 Medium-coarse sands; some wash; minor stiff grey clays.
45	47	7.5	89.5	0.05	0.06	8.5	5.0	
47	49	11.5	89.0	0.06	0.08	6.6	6.0	51.2-54.0 Granite.
49	51	14	110.0	0.67	1.05	75.2	82.6	Sample Washer's Heavy Mineral Descriptions:
								0-5 Ilmenite, monazite.
								5-7 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 51.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.32 g SnO2

Grade 2 at 51.2 m 18.08 g SnO2/m³

604172

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576300 mE 545300 mN DRILLING METHOD Reverse HOLE No. K.196.RC.
 SURFACE R.L. 99.4 m BASEMENT R.L. 48.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 19/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								7-19 Ilmenite, monazite.
								19-23 Fine trace tin, ilmenite, monazite.
								23-29 Trace tin, ilmenite, monazite.
								29-31 Fine trace tin, ilmenite, monazite.
								31-33 Trace tin, ilmenite, monazite.
								33-39 Fine trace tin, ilmenite, monazite.
								39-41 Ilmenite, monazite, pyrite.
								41-43 Fine trace tin, pyrite.
								43-45 Fine trace tin, ilmenite, monazite.
								45-47 Pyrite.
								47-49 Fine trace tin, ilmenite, monazite.
								49-51 Fine trace tin, ilmenite, pyrite.
								51-54 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 51.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 6.32 litres

Grade 1 at 51.2 m 18.08 g SnO2/m³

Total recovered tin 6.32 g SnO2

Grade 2 at 51.2 m 18.08 g SnO2/m³

604173

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576225 mE 5452795 mN DRILLING METHOD Reverse HOLE No. K197 RC.
 SURFACE R.L. 92.9 m BASEMENT R.L. 40.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 19/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9.5	91.4	0.06	0.08	8.3	4.1	0-3 Coarse sands, brown silts and clayey silts.
3	5	11.5	82.4	0.21	0.25	21.5	19.4	
5	7	5	92.0	0.06	0.08	15.8	6.2	3-7.0 Medium-coarse sands; minor red-ochre and clays, silts.
7	9	7	83.5	0.02	0.02	3.4	1.9	
9	11	11	92.3	0.02	0.03	2.4	2.1	7-8.5 Medium-coarse sands, some birdseye.
11	13	8	83.8	0.02	0.02	3.0	1.9	8.5-12.5 Stiff light brown-grey clays.
13	15	11	84.9	0.02	0.02	2.2	1.9	12.5-14.5 Fine sands.
15	17	9.5	81.1	0.06	0.07	7.3	5.8	14.5-16.0 Mottled ochre clays; silty clays and silts.
17	19	15.5	86.7	0.04	0.05	3.2	3.9	
19	21	12	87.9	0.22	0.28	21.0	21.7	16.0-18.5 Silts and fine sands; minor wood fragments, minor clays.
21	23	12	80.0	0.15	0.17	14.3	13.5	
23	25	13	93.0	0.30	0.40	30.7	31.3	18.5-20.75 Small wash and birdseye with coarse sands; minor fine sands.
25	27	10	93.3	0.05	0.07	6.7	5.2	
27	29	7	82.1	0.20	0.23	33.5	18.4	20.75-22.5 Clays and fine sands.
29	31	15	93.5	0.10	0.13	8.9	10.5	22.5-26 Small wash and birdseye; fine-medium sands.
31	33	17	80.0	0.73	0.83	49.1	49.1	
33	35	19.5	89.3	1.29	1.65	84.4	84.4	26-27 Clayey silts and medium sands.
35	37	14.5	99.8	0.20	0.29	19.7	22.4	27-31 Wash; sandstone chips and medium sands; minor clays.
37	39	9	95.3	0.08	0.11	12.1	8.6	
39	41	8	84.9	0.09	0.11	13.6	8.6	31-32 Fine-medium sands; stiff brown clays with wood fragments.
41	43	10.5	91.6	0.03	0.04	3.7	3.1	
43	45	11	107.2	0.03	0.05	4.2	3.6	32-35 Medium-coarse sands; small wash, birds-eye.
45	47	10	90.5	0.06	0.08	7.8	6.1	
47	49	12	89.4	0.78	1.00	83.0	78.2	35-36 Wash and coarse sands.
49	51	26	see sizing results		21.34	820.7	820.7	36-37.5 Stiff brown clays with wood fragments.
51	53	9.5	87.9	2.28	2.86	301.4	224.7	37.5-43 Coarse sands and small wash; sandstone chips; minor blue, grey clays.
53	55	8	88.0	0.15	0.19	23.6	14.8	
55	56	3	82.8	0.06	0.07	23.7	11.1	43-48 Grey clays and coarse sands; sandstone

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 36.83 litres

Grade 1 at 52.5 m 56.6 g SnO2/m³

Total recovered tin 36.83 g SnO2

Grade 2 at 52.5 m 56.6 g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576225 mE 5452795 mN DRILLING METHOD Reverse HOLE No. K197 RC.
 SURFACE R.L. 92.9 m BASEMENT R.L. 40.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL 15.92 Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER B. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 19/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								48-52.5 chips; minor fine sands and wash. Coarse sands and small wash, some birds-eye; minor clays.
								52.5-53 Mottled grey-blue clays, coarse quartz grains and felspar.
								53-56 Granite.
Sample Washer's Heavy Mineral Descriptions:								
								0-15 Ilmenite, monazite.
								15-17 Ilmenite, monazite, pyrite.
								17-19 Ilmenite, monazite.
								19-21 Fine trace tin, ilmenite, monazite.
								21-25 Fine trace tin, ilmenite, pyrite.
								25-33 Ilmenite, pyrite.
								33-37 Fine trace tin, ilmenite, pyrite.
								37-39 Ilmenite, pyrite.
								39-43 Fine trace tin, pyrite.
								43-47 Pyrite.
								47-49 Small amount tin, ilmenite, pyrite.
								49-51 Tin, ilmenite, pyrite.
								51-53 Small amount tin, ilmenite.
								53-55 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at m g SnO2/m³

Total recovered tin..... 36.83 g SnO2

Grade 2 at 52.5 m 566 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K. 197 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>49-51</u>					
	plus 22	.71	0.0694	0.33	0.33
SAMPLE VOLUME <u>26.0 l</u>	plus 30	.5	0.8108	3.80	4.13
GRADE <u>820.7 g/m³</u>	plus 60	.25	6.4554	30.25	34.38
TOTAL GRAMS OF SnO ₂ <u>21.34</u>	plus 120	.125	12.5974	59.03	93.41
	minus 120		1.4052	6.58	99.99
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA.....Pioneer..... COLLAR CO-ORDINATES.....576100.....mE 5453200.....mN DRILLING METHOD.....Reverse..... HOLE No.....K198 RC.....
 SURFACE R.L.....117.5.....m BASEMENT R.L.....39.0.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE.....1.....of.....2.....
 DRILLER...R...Miller..... SAMPLE WASHER.S...Moore.... ASSAY METHOD....XRF..... GEOLOGIST...S...Douglas..... DATE...19/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	8	93.0	0.02	0.03	3.3	1.4	0-4.5 Coarse sands; ochre clays and silts.
3	5	4	95.1	0.01	0.01	3.4	1.1	4.5-7.0 Medium sands with minor red-ochre clays;
5	7	6	92.7	0.21	0.28	46.4	21.8	ironstone fragments.
7	9	8	103.9	0.05	0.07	9.3	5.8	7.0-8.0 Fine sands and ochre silt.
9	11	9	83.3	0.05	0.06	6.6	4.7	8.0-13.0 Medium-coarse sands and ochre silts.
11	13	8	88.5	0.02	0.03	3.2	2.0	13.0-15.0 Stiff pale ochre clays and clayey silts;
13	15	10	86.3	0.01	0.01	1.2	1.0	minor fine-medium sands.
15	17	8	94.2	0.01	0.01	1.7	1.1	15.0-23.5 Fine-medium sands and silts; minor stiff
17	19	10	76.8	0.03	0.03	3.3	2.6	clays; minor coarse sands.
19	21	10	88.1	0.02	0.03	2.5	2.0	23.5-26.5 Stiff white silty clays.
21	23	11.5	93.7	0.02	0.03	2.3	2.1	26.5-30.5 Medium-coarse sands; minor silty clays.
23	25	12	92.3	0.02	0.03	2.2	2.1	30.5-31.5 Stiff dark brown clays with wood fragments.
25	27	11.5	81.5	0.03	0.04	3.3	2.9	31.5-36.0 Medium-coarse sands; minor stiff clays.
27	29	10.5	79.4	0.07	0.08	7.6	6.2	36.0-38.0 Clayey silts and fine sands.
29	31	8.5	87.4	0.03	0.04	4.4	2.9	38.0-42.0 Medium-coarse sands, minor clays and
31	33	10	92.5	0.08	0.11	10.6	8.3	silts.
33	35	14	79.0	0.05	0.07	5.1	5.6	42.0-46.0 Small wash with medium-coarse sands.
35	37	10	86.4	0.03	0.04	3.7	2.9	46.0-48.0 Sandstone chips and wash.
37	39	12	80.0	0.07	0.08	6.7	6.3	48.0-51.0 Clayey silt, minor wash.
39	41	15	77.7	0.04	0.04	3.0	3.5	51.0-63.0 Medium-coarse sands and ochre silts;
41	43	11	78.1	0.66	0.74	66.9	57.8	small wash; minor sandy clays.
43	45	7	91.8	0.09	0.12	16.9	9.3	63.0-67.0 Wash and coarse sands; minor stiff grey
45	47	12	85.7	0.31	0.38	31.6	29.8	clays.
47	49	11.5	79.9	0.24	0.27	23.8	21.5	67.0-71.0 Stiff grey sandy clays; minor wash and
49	51	18.5	82.2	0.16	0.19	10.2	10.2	coarse sands.
51	53	22	83.6	0.29	0.35	15.7	15.7	71.0-77.0 Coarse sand and small wash.
53	55	24	75.5	0.73	0.79	32.8	32.8	77.0-78.5 Coarse quartz sand and weathered felspar,
55	57	17.5	78.1	0.15	0.17	9.6	9.6	some small wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....78.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....11.81.....g SnO2

Grade 2 at78.5.....m22.0.....g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576100.....mE.....5453200.....mN DRILLING METHOD...Reverse..... HOLE No...K...198.RC...
 SURFACE R.L....147.5.....m BASEMENT R.L....39.0.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE...2...of...2.....
 DRILLER R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...19/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	15	97.2	0.32	0.39	31.4	30.8	78.5-79.0 Stiff grey sandy clays and coarse quartz sand.
59	61	12.5	85.8	0.64	0.78	62.8	61.6	
61	63	6.5	84.8	0.27	0.33	50.3	25.7	79.0-81.0 Granite.
63	65	13	97.3	0.14	0.19	15.0	15.3	<u>Sample Washer's Heavy Mineral Descriptions:</u>
65	67	11	83.8	0.11	0.13	12.0	10.3	
67	69	7	79.1	0.06	0.07	9.7	5.3	0-5 Ilmenite, monazite.
69	71	8	81.1	0.05	0.06	7.2	4.6	5-7 Trace tin, ilmenite, black jack.
71	73	14.5	91.8	0.84	1.10	76.0	86.5	7-17 Ilmenite, monazite.
73	75	13	85.4	2.95	3.60	276.9	282.6	17-21 Fine trace tin, ilmenite.
75	77	9	91.8	0.34	0.45	49.5	35.0	21-41 Ilmenite, monazite.
77	79	8	83.0	0.23	0.27	34.1	21.4	41-43 Fine trace tin, ilmenite.
79	81	7	83.2	0.10	0.12	17.0	9.3	43-51 Fine trace tin, pyrite.
								51-55 Trace tin, ilmenite, pyrite.
								55-57 Fine trace tin, pyrite.
								57-63 Trace tin, ilmenite, pyrite.
								63-67 Ilmenite, pyrite.
								67-69 Fine trace tin, pyrite.
								69-71 Pyrite.
								71-73 Fine trace tin, pyrite.
								73-75 Pyrite.
								75-79 Trace tin, pyrite.
								79-81 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...78.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...11.51.....g SnO2

Grade 2 at ...28.5.....m ...22.0.....g SnO2/m³

604178

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES.....576200.....mE.....5453200.....mN DRILLING METHOD Reverse HOLE No. K199 RC.
 SURFACE R.L. 119.8.....m BASEMENT R.L. 45.0.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100.....mm VOLUME.....15.92.....litres PAGE.....1.....of.....3.....
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 22/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6.5	92.4	B.L.D.	-	-	-	0-1 Chocolate brown gritty clays.
3	5	7	84.5	0.06	0.07	10.4	5.7	1-1.4 Mottled red-white-brown clays.
5	7	9	90.0	0.06	0.08	8.6	6.1	1.4-2.5 Brown clays containing drift.
7	9	11	97.5	0.02	0.03	2.5	2.2	2.5-2.8 Tenaceous medium brown clays.
9	11	10	92.2	0.02	0.03	2.6	2.1	2.8-4 Clean sand and small drift.
11	13	8	81.6	B.L.D.	-	-	-	4-5 Drift, coarse sand, medium to dark yellow-brown silt; one thin yellow clay layer at 4.8.
13	15	9	89.5	0.02	0.03	2.8	2.0	
15	17	7	95.2	0.02	0.03	3.9	2.1	
17	19	6	92.3	0.01	0.01	2.2	1.0	5-6 Very light grey silty drift and coarse sand.
19	21	9.5	100.0	B.L.D.	-	-	-	
21	23	11.5	83.3	B.L.D.	-	-	-	6-8 Light brown silty drift and coarse sand.
23	25	5	80.2	0.04	0.05	9.2	3.6	8-8.8 Yellow silty drift and coarse sand.
25	27	12	81.9	0.04	0.05	3.9	3.7	8.8-10 Yellow-brown silty drift and coarse sand.
27	29	12	80.6	0.05	0.06	4.8	4.5	10-13.4 Light grey-brown silty drift and coarse sand.
29	31	9	80.9	0.11	0.13	14.1	10.0	
31	33	12	82.9	0.02	0.02	2.0	1.9	13.4-14.6 Pinkish light brown to brown silty moderate tenacity clay.
33	35	12	89.5	0.03	0.04	3.2	3.0	
35	37	7.5	79.2	0.03	0.03	4.5	2.7	14.6-21 Light brown sand silty with minor drift from 18 m.
37	39	9	79.9	0.22	0.25	27.9	19.7	
39	41	12	79.0	0.06	0.07	5.6	5.3	21-23 Coarse sand; minor brown to light grey silty.
41	43	11	77.3	0.31	0.34	31.1	26.9	
43	45	13	83.1	0.08	0.09	7.3	7.5	23-24 White silty clay.
45	47	13.5	79.1	0.76	0.86	63.6	67.4	24-28.7 Yellow to grey to brown silt, coarse sand, drift.
47	49	11	85.2	0.25	0.30	27.7	23.9	
49	51	10	80.1	0.31	0.35	35.5	27.8	28.7-28.9 Coarse drift.
51	53	11	82.0	0.70	0.82	74.6	64.4	28.9-30.1 Light grey silty clay.
53	55	9	86.8	0.20	0.25	27.6	19.5	30.1-32.5 Grey to brown silty drift and coarse sand.
55	57	7.5	94.6	0.06	0.08	10.8	6.4	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....74.8m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....9.6g SnO2

Grade 2 at74.8.....m20.0g SnO2/m³

604179

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576200.....mE...5453200.....mN DRILLING METHOD...Reverse..... HOLE No.K199..RG.....
 SURFACE R.L.....119.8.....m BASEMENT R.L...45.0.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100. mm..... VOLUME.....15.92.....litres PAGE...2.....of.....3.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST...R. Munro..... DATE...22/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	11	82.8	0.09	0.11	9.7	8.4	32.5-33 Grey to brown silty drift and coarse sand, small wash.
59	61	11	79.8	0.18	0.21	18.7	16.1	
61	63	16	86.5	0.12	0.15	9.3	9.3	33-35.2 Brown silty drift and coarse sand.
63	65	10	79.7	0.15	0.17	17.1	13.4	35.2-37.3 Grey-light grey tenaceous clay.
65	67	12	102.2	0.14	0.20	17.0	16.0	37.3-41 Coarse sands and grey-brown silty with drift appearing at 38 m.
67	69	8	96.8	0.15	0.21	25.9	16.3	
69	71	19	85.8	0.11	0.13	7.1	7.1	41-43 Coarse sand and grey-brown silts, drift, small wash.
71	73	14	84.9	1.09	1.32	94.4	103.8	
73	75	14	88.4	2.27	2.87	204.8	225.0	43-45 Brown silty sands, drift.
75	77	4	78.8	0.02	0.02	5.6	1.8	45-48 Yellow silty sand, drift, wash.
77	79	7	80.8	0.08	0.09	13.2	7.3	48-51 Grey silty sands, drift, wash, clay layers 50-51 grey brown.
79	81	6	81.6	0.04	0.05	7.8	3.7	
								51-62 Grey silty sands, drift, small to large wash in layers, 52.6 brown clays, 52.8 brown clays with wood.
								62-63 Coarse sand, minor small wash, grey silt drift.
								63-64.5 Small-large wash, grey clays and silty, coarse sands, drifts.
								64.5-65 Gritty grey clay.
								65-67 Small to large wash, grey to greenish grey clays and silty, often interstitial with wash, sand and drift.
								67-68 Mainly pure grey clay, minor drift.
								68-72 As for 65-67.
								72-73 Layers of pure angular drift and sand, some grey silty, grey clay at 73.5, large drift near 74.8.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at...74.8.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....9.6.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at74.8.....m20.0.....g SnO2/m³

604180

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576200.....mE.....5453200.....mN DRILLING METHOD...Reverse..... HOLE No...K199 RC. .
 SURFACE R.L.....119.8.....m BASEMENT R.L.....45.0.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME...15.92.....litres PAGE...3...of...3.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore.. ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...22/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								74.8-81 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-5 Ilmenite.
								5-7 Fine trace tin, ilmenite, monazite.
								7-37 Ilmenite, monazite,
								37-39 Trace tin, ilmenite, monazite.
								39-43 Ilmenite, monazite.
								43-47 Fine trace tin, ilmenite, monazite.
								47-49 Ilmenite, monazite.
								49-51 Trace tin, ilmenite, monazite.
								51-53 Ilmenite, monazite.
								53-59 Fine trace tin, ilmenite, monazite.
								59-61 Fine trace tin, pyrite.
								61-65 Pyrite.
								65-67 Pyrite, fake gold.
								67-69 Fine trace tin, pyrite.
								69-71 Pyrite.
								71-73 Trace tin, pyrite.
								73-81 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at.....74.8.....m

Total recovered volume, surface to basement.....litres

Total recovered tin.....9.6.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at.....m.....g SnO2/m³

Grade 2 at.....74.8.....m.....22.0.....g SnO2/m³

604181

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE 5452850 mN DRILLING METHOD Reverse HOLE No. K 200 RC.
 SURFACE R.L. 96.5 m BASEMENT R.L. 48.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 22/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	11	85.2	0.02	0.02	2.2	1.3	0-1 Brown gritty clays.
3	5	11	102.3	0.02	0.03	2.7	2.3	1-2 Grey-brown-pinkish mottled clay.
5	7	10.5	85.9	0.18	0.22	21.0	17.3	2-2.5 Gritty light grey clay.
7	9	12	84.5	0.06	0.07	6.0	5.7	2.5-3 Pure grey brown clay.
9	11	10	84.0	0.04	0.05	4.8	3.8	3-4.8 Grey silty coarse sand and minor drift,
11	13	11	100.1	0.01	-	-	-	A single 20 cm horizon of coarse drift at 3.1.
13	15	16	84.5	0.03	0.04	2.3	2.3	4.8-6 Grey-brown tenaceous clay.
15	17	12	81.4	0.06	0.07	5.8	5.5	6-9 Yellow silty drift and coarse sand, single pebble of quartz wash at 7 m.
17	19	12.5	87.7	0.16	0.20	16.0	15.7	9-10 Yellow-grey brown silty drift and coarse sand.
19	21	12	88.2	0.27	0.34	28.4	26.7	10-10.5 Gritty brown clay.
21	23	10	90.0	0.30	0.39	38.6	30.3	10.5-14.5 Slightly sandy grey silt.
23	25	14	80.0	1.01	1.15	82.5	90.6	14.5-15 Brown sandy silt.
25	27	10.5	88.3	0.33	0.42	39.6	32.7	15-16.5 Brown very silty sands and minor drift.
27	29	9	96.2	0.20	0.27	30.5	21.6	16.5-23 Small-medium wash, coarse drift, sand, medium to dark brown silt.
29	31	8.5	84.3	0.09	0.11	12.8	8.5	23-24 Small-medium wash, coarse drift, sand, light brown silt.
31	33	8.5	85.3	0.08	0.10	11.5	7.7	24-25.5 Small-medium wash, coarse drift, sand, yellow silt.
33	35	20	75.1	0.13	0.14	7.0	7.0	25.5-31.8 Small-medium wash, coarse drift, sand, dark brown to grey silt, grey silt band at 26.5.
35	37	16	79.5	0.20	0.23	14.2	14.2	31.8-32 Grey clay.
37	39	10	96.7	0.08	0.11	11.1	8.7	32-41.6 Grey silt, medium-small wash, drift, sand, large wash at 34, occasional grey
39	41	9	81.2	0.10	0.12	12.9	9.1	
41	43	9	77.7	0.12	0.13	14.8	10.5	
43	45	10	88.9	0.17	0.22	21.6	17.0	
45	47	9	see sizing results	"	6.047	671.9	474.6	
47	49	8	"	"	2.517	314.6	197.6	
49	51	5	78.2	0.17	0.19	37.9	14.9	

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 48.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 13.2 g SnO2 Grade 2 at 48.0 m 42.7 g SnO2/m³

604182

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576100.....mE 5452850.....mN DRILLING METHOD...Reverse..... HOLE No...K.200..BC.
 SURFACE R.L...96.5.....m BASEMENT R.L...48.5.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...2...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...22/11/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								clay horizons from 37 m.
								41.6-41.9 Grey clay.
								41.9-47 Small to large wash embedded in a grey silt-green grey clay matrix, also
								interstitial drift and sand,
								47-48 Drift, small-medium wash, rare birdseye
								wash, grey silt.
								48-51 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-5 Ilmenite, monazite.
								5-7 Small amount tin, ilmenite, monazite.
								7-9 Trace tin, ilmenite, monazite.
								9-15 Ilmenite, monazite.
								15-23 Trace tin, ilmenite, monazite.
								23-25 Small amount tin, ilmenite, monazite.
								25-29 Trace tin, ilmenite, monazite.
								29-33 Fine trace tin, pyrite.
								33-41 Pyrite.
								41-45 Fine trace tin, pyrite.
								45-47 Large amount tin, ilmenite, monazite.
								47-49 Tin, ilmenite, monazite.
								49-51 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Drillers reported basement at...48.0.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO2/m³
 Total recovered tin...13.2.....g SnO2 Grade 2 at...48.0.....m...42.7.....g SnO2/m³

604183

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole KRC 200 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval	45 - 47				
	plus 22	.71	-	-	-
SAMPLE VOLUME	9.01	plus 30	.5	0.049	0.81
GRADE	474.6 g/m ³	plus 60	.25	1.575	26.05
TOTAL GRAMS OF SnO ₂	6.047	plus 120	.125	4.14	68.46
	minus 120		0.283	4.68	100.00
Sample Interval	47 - 49				
	plus 22	.71	-	-	-
SAMPLE VOLUME	8.01	plus 30	.5	0.076	3.02
GRADE	197.6 g/m ³	plus 60	.25	0.913	36.27
TOTAL GRAMS OF SnO ₂	2.517	plus 120	.125	1.432	56.89
	minus 120		0.096	3.81	99.99
Sample Interval					
	plus 22	.71			
SAMPLE VOLUME		plus 30	.5		
GRADE		plus 60	.25		
TOTAL GRAMS OF SnO ₂		plus 120	.125		
	minus 120				

004184

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE. 5452900 mN DRILLING METHOD Reverse HOLE No. K201-RC
 SURFACE R.L. 97.7 m BASEMENT R.L. 43.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 22/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	104.4	0.01	0.01	1.5	0.8	0-3 Grey silts with minor granules.
3	5	14	94.2	B.L.D.	-	-	-	3-8.5 Light grey to brown clay.
5	7	10	81.2	B.L.D.	-	-	-	8.5-9 Brown silty clay.
7	9	6	114.4	0.01	0.02	2.7	1.3	9-11 Coarse sand, brown silty clay, minor drift to from 10.5.
9	11	14	86.5	0.07	0.09	6.2	6.8	11-14 Coarse drift, sand, yellow silts.
11	13	12	81.5	0.01	0.01	1.0	0.9	14-16.8 Coarse drift, sand, grey, brown silts.
13	15	12.5	95.0	0.07	0.10	7.6	7.5	16.8-17.0 Light grey gritty clays.
15	17	13	83.5	0.01	0.01	0.9	0.9	17.0-17.2 Drift, minor yellow clays.
17	19	13	86.8	0.03	0.04	2.9	2.9	17.2-20.5 Drift, minor light grey- light brown clays.
19	21	9	85.1	0.09	0.11	12.2	8.6	20.5-21 Drift, sand, minor light brown clay.
21	23	13	88.2	0.03	0.03	2.6	2.7	21-27 Coarse drift, grey to dark yellow silts, clay layers.
23	25	8	90.9	B.L.D.	-	-	-	27-28 Silty clays with grits, (light grey-brown).
25	27	15	77.1	0.35	0.39	25.7	30.3	28-28.7 Drift, wash, brown silt.
27	29	17	83.2	0.97	1.15	67.8	67.8	28.7-29.5 Drift, wash, dark yellow-brown silt.
29	31	10.5	98.7	0.16	0.23	21.5	17.7	29.5-30 Brown silty and gritty drift.
31	33	10	82.1	0.09	0.11	10.6	8.3	30-31 Drift wash, brown silt, some brown-yellow clays.
33	35	10	105.9	0.11	0.17	16.7	13.1	31-31.5 Impure silty, light brown clays.
35	37	10.5	88.0	0.03	0.04	3.6	3.0	31.5-33 Silty light brown clays, wash, drift, minor birdseye wash.
37	39	11	102.2	0.13	0.19	17.3	14.9	33-34 Very silty yellow brown drifts, sand, small wash.
39	41	14.5	82.2	0.09	0.11	7.3	8.3	34-42 Grey drifts, wash, minor clay, grey silts common, layer wash from 41 m.
41	43	11.5	79.9	0.08	0.09	7.9	7.2	
43	45	8	94.3	0.06	0.08	10.1	6.3	
45	47	7	100.0	0.11	0.16	22.5	12.3	
47	49	8.5	84.5	0.95	1.15	134.9	90.0	
49	51	27	95.8	2.85	3.90	144.5	144.5	
51	53	30	see sizing results		12.50	420.0	420.0	
53	55	12.5	103.9	3.25	4.82	385.9	378.6	
55	57	9	94.4	0.13	0.18	19.5	13.8	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 53.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at m g SnO2/m³

Total recovered tin..... 27.29 g SnO2

Grade 2 at 53.8 m 47 g SnO2/m³

604185

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K. 201 RC.
 SURFACE R.L. 97.7 m BASEMENT R.L. 43.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R.L. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 22/11/82 PAGE 2 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								42-42.5 Layer of brown clay.
								42.5-47 Wash drift, interstitial medium grey clays, the wash may be large and includes sandstone, siltstone of ranging hardness, also milky quartz.
								47-49.8 Grey, white mottled clays (pure and with grits and sand), minor angular wash and drift.
								49.8-53.8 Drift, grey silts rare wash.
								53.8-57 Granite basement.
								Sample washer's Heavy Mineral Descriptions:
								0-7 Ilmenite.
								7-25 Ilmenite, monazite.
								25-29 Small amount tin, ilmenite, monazite.
								29-37 Trace tin, ilmenite, monazite.
								37-45 Ilmenite, pyrite.
								45-47 Fine trace tin, ilmenite, monazite.
								47-49 Trace tin, ilmenite, monazite.
								49-51 Small amount tin, ilmenite, pyrite.
								51-53 Tin, ilmenite, pyrite.
								53-55 Small amount tin, ilmenite, pyrite.
								55-57 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 53.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 27.29 litres

Grade 1 at 53.8 m 4.7 g SnO2/m³

Total recovered tin 27.29 g SnO2

Grade 2 at 53.8 m 4.7 g SnO2/m³

604186

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K201 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>51 - 53</u>					
	plus 22	.71	-	-	-
SAMPLE VOLUME <u>30.0 l</u>	plus 30	.5	0.293	2.34	2.34
GRADE <u>420.0 g/m³</u>	plus 60	.25	8.417	67.33	69.67
TOTAL GRAMS OF SnO ₂ <u>12.50</u>	plus 120	.125	3.435	27.48	97.15
	minus 120		0.347	2.78	99.93
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604187

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 576622 mE 5452832 mN DRILLING METHOD... Reverse HOLE No. K202..BC
 SURFACE R.L. 89.6 m BASEMENT R.L. 45.6 m CUTTING SHOE/ BIT DIAMETER... 100 mm THEORETICAL Circulation VOLUME... 15.92 litres PAGE... 1 of... 2
 DRILLER R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... S. Douglas DATE... 23/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	140.8	B.L.D.	-	-	-	0-2.0 Coarse sands and black silt.
3	5	10.5	93.1	0.02	0.03	2.5	2.1	2.0-3.0 Stiff white clays.
5	7	10	86.4	0.04	0.05	4.9	3.9	3.0-6.5 Fine sands and ochre silts.
7	9	12	79.7	B.L.D.	-	-	-	6.5-8.5 Stiff white clays and ochre clays.
9	11	9.5	80.0	0.08	0.09	9.6	7.2	8.5-9.0 Medium-coarse sands.
11	13	15	110.9	0.12	0.19	12.7	14.9	9.0-10.5 Stiff brown clays.
13	15	12	80.6	0.35	0.40	33.6	31.6	10.5-16.5 Medium-coarse sands; minor fine sands.
15	17	11.5	140.9	0.12	0.24	21.0	19.0	16.5-16.8 Stiff white clays.
17	19	22	81.6	0.15	0.17	8.0	8.0	16.8-26.0 Medium-coarse sands, wash; minor clays.
19	21	16.5	90.3	0.29	0.37	22.7	22.7	26.0-27.0 Sandstone chips and quartz wash.
21	23	8	161.2	0.04	0.09	11.5	7.2	27.0-31.0 Fine-medium sands, becoming coarse; some small wash, minor clays.
23	25	10	80.0	0.15	0.17	17.1	13.5	
25	27	11.5	80.0	0.03	0.03	3.0	2.7	31.0-35.0 Medium-coarse sands, small wash; minor clays.
27	29	14.5	132.7	0.08	0.15	10.5	11.9	
29	31	11	80.0	0.06	0.07	6.2	5.4	35.0-38.5 Sandstone chips, wash and brown-grey clay; some birdseye.
31	33	16.5	81.3	0.19	0.22	13.4	13.4	
33	35	24	195.3	0.06	0.17	7.0	7.0	38.5-41.0 Medium-coarse sand and small wash; minor fine sands and clays.
35	37	11.5	80.3	0.05	0.06	5.0	4.5	
37	39	11	78.8	0.84	0.95	26.0	24.2	41-44.0 Fine-medium sands, small wash; minor coarse sands.
39	41	13.5	see sizing results		26.99	1999.26	2118.5	
41	43	14	" "	" "	14.648	1046.29	1149.8	44-45.0 Stiff grey-clays, coarse sands.
43	45	8	95.1	0.11	0.15	18.7	11.7	45.0-47.0 Fine, sands, sandstone chips.
45	47	7	80.7	0.08	0.09	13.2	7.2	47.0-51 Granite.
47	49	7	81.5	0.16	0.19	26.6	14.6	
49	51	4	87.4	0.12	0.15	37.5	11.8	
Sample Washer's Heavy Mineral Descriptions:								
0-11 Ilmenite, monazite.								
11-15 Fine trace tin, ilmenite, monazite.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at... 44 m

Grade from surface to Inferred basement

Total recovered volume, surface to basement... litres

Grade 1 at m g SnO2/m³

Total recovered tin... 45.87 g SnO2

Grade 2 at... 44 m 162 g SnO2/m³

604188

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576622 mE 5452832 mN DRILLING METHOD Reverse HOLE No K202 RC.
 SURFACE R.L. 89.6 m BASEMENT R.L. 45.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 23/11/82 PAGE 2 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								15-19 Ilmenite, monazite.
								19-21 Fine trace tin, ilmenite, monazite.
								21-25 Ilmenite, monazite.
								25-29 Pyrite.
								29-31 Ilmenite, monazite,
								31-33 Fine trace tin, pyrite.
								33-35 Pyrite.
								35-37 Pyrite, ilmenite.
								37-39 Trace tin, pyrite.
								39-41 Large amount tin, ilmenite, pyrite.
								41-43 Tin, ilmenite, pyrite.
								43-45 Very fine trace tin, pyrite.
								45-49 Pyrite.
								49-51 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 44 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 45.67 g SnO2

Grade 2 at 44 m 162 g SnO2/m³

604189

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K202 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>39-41</u>					
	plus 22	.71	0.081	0.3	0.3
SAMPLE VOLUME <u>13.5 l</u>	plus 30	.5	0.385	1.43	1.73
GRADE <u>2118.5 g/m³</u>	plus 60	.25	13.509	50.05	51.78
TOTAL GRAMS OF SnO₂ <u>26.99</u>	plus 120	.125	10.925	40.48	92.26
	minus 120		2.09	7.74	100.00
Sample Interval <u>41-43</u>					
	plus 22	.71	0.166	1.13	1.13
SAMPLE VOLUME <u>14.0 l</u>	plus 30	.5	1.086	7.41	8.54
GRADE <u>1149.8 g/m³</u>	plus 60	.25	7.790	53.17	61.71
TOTAL GRAMS OF SnO₂ <u>14.65</u>	plus 120	.125	4.278	29.20	90.91
	minus 120		1.327	9.06	99.97
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO₂ _____	plus 120	.125			
	minus 120				

604190

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576400.....mE...5452900.....mN DRILLING METHOD...Reverse..... HOLE No...K203..BC.....
 SURFACE R.L...98.0.....m BASEMENT R.L...42.5.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...1.....of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...23/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10.5	80.8	0.04	0.05	4.4	2.4	0-2.5 Medium-coarse sand.
3	5	9.5	80.0	0.11	0.13	13.2	9.9	2.5-4.5 Stiff white clays and silty clays;
5	7	8.5	80.0	0.01	-	-	-	minor fine sands and silts.
7	9	9.5	198.6	0.01	-	-	-	4.5-6.5 Medium-coarse sands; minor ochre silts.
9	11	14	81.1	0.03	0.03	2.5	2.7	6.5-9.0 Stiff white clays and clayey silts.
11	13	11.5	80.3	0.25	0.29	24.9	22.5	9.0-12.5 Medium-coarse sands, minor fine sands;
13	15	20	80.0	B.L.D.	-	-	-	wash; minor clay.
15	17	11	102.3	0.02	0.03	2.7	2.3	12.5-19.0 Stiff white and grey clays.
17	19	9	137.0	0.02	0.04	4.4	3.1	19.0-21.0 Fine-medium sands; clayey silts,
19	21	8.5	80.0	B.L.D.	-	-	-	becoming dark brown.
21	23	12	82.3	0.07	0.08	6.9	6.5	21.0-22.0 Dark brown clays and clayey silts.
23	25	13.5	86.9	0.08	0.10	7.4	7.8	22.0-26.5 Medium-coarse sand and wash chips, small
25	27	13	80.0	0.10	0.11	8.8	9.0	wash, some sandstone.
27	29	15	92.7	0.71	0.94	62.7	73.8	26.5-27.0 Stiff white clays.
29	31	9.5	79.0	0.92	1.04	109.3	81.5	27.0-33.0 Coarse sands and wash; minor clays.
31	33	6	92.3	0.25	0.33	54.9	25.8	33.0-37.0 Medium-coarse sands; small wash.
33	35	9	88.5	0.06	0.08	8.4	6.0	37.0-43.0 Coarse sand and sandstone chips, some
35	37	7	86.2	0.05	0.06	8.8	4.8	wash and birdseye; minor grey clays.
37	39	11	85.7	0.10	0.12	11.1	9.6	43.0-49.75 Medium-coarse sands and wash; minor
39	41	9	84.4	0.09	0.11	12.1	8.5	clays; sandstone chips.
41	43	21	84.8	0.09	0.11	5.2	5.2	49.75-50.5 Weathered granite with sandstone and
43	45	11.5	82.5	0.13	0.15	13.3	12.0	quartz chips.
45	47	8	82.1	0.06	0.07	8.8	5.5	50.5-52.0 Silty grey and dark brown clays; some
47	49	8	91.7	0.11	0.14	18.1	11.3	wood fragments.
49	51	11	86.6	0.08	0.10	9.0	15.5	52.0-54.5 Blue-grey clays and wash; coarse sands.
51	53	9	105.2	0.04	0.06	6.7	4.7	54.5-59 Granite.
53	55	9	see sizing results		7.32	812.7	574.2	
55	57	7	80.3	0.23	0.26	37.7	20.7	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...54.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...11.864.....g SnO2

Grade 2 at...54.5.....m...34.0.....g SnO2/m³

604191

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576400 mE. 5452900 mN DRILLING METHOD Reverse HOLE No. K203.RC.A.
 SURFACE R.L. 98.0 m BASEMENT R.L. 42.5 m CUTTING SHOE/
 BIT DIAMETER 100 mm THEORETICAL 15.92 Circulation
 VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 23/11/82.

Section From To m m		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
57	59	11	80.5	0.10	0.12	10.5	9.0	<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-11 Ilmenite, monazite.
								11-13 Fine trace tin, ilmenite, monazite.
								13-23 Ilmenite, monazite.
								23-27 Fine trace tin, ilmenite, monazite.
								27-29 Ilmenite, monazite.
								29-33 Trace tin, ilmenite, monazite.
								33-35 Ilmenite, pyrite.
								35-49 Pyrite.
								49-51 Ilmenite, pyrite.
								51-53 Pyrite.
								53-55 Tin, ilmenite, pyrite.
								55-57 Trace tin, pyrite.
								57-59 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 54.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 11.864 litres Grade 1 at 54.5 m 34.0 g SnO₂/m³
 Total recovered tin 11.864 g SnO₂ Grade 2 at 54.5 m 34.0 g SnO₂/m³

604192

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K203 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>53-55</u>					
	plus 22	.71	0.399	5.45	5.45
SAMPLE VOLUME <u>9.0.1</u>	plus 30	.5	1.775	24.25	29.7
GRADE <u>574.2 g/m³</u>	plus 60	.25	3.852	52.62	82.32
TOTAL GRAMS OF SnO ₂ <u>7.32</u>	plus 120	.125	1.172	16.01	98.93
	minus 120		0.117	1.60	99.93
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604193

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576406 mE 5452800 mN DRILLING METHOD Reverse HOLE No. K204 RC.
 SURFACE R.L. 94.3 m BASEMENT R.L. 42.5 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. MOORE ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 23/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	10	90.0	0.07	0.09	9.0	4.7	0-1.5 Coarse sands and brown silt.	
3	5	7	104.4	0.05	0.07	10.7	5.9	1.5-4.5 Ochre and brown clays.	
5	7	10	87.4	0.06	0.07	7.5	5.9	4.5-5.5 Fine sands, minor coarse sands,	
7	9	11.5	80.0	0.12	0.14	11.9	10.8	5.5-9.0 Fine medium sands; minor coarse sands and wash.	
9	11	10	100.9	0.03	0.04	4.3	3.4	9.0-11.0 Stiff white clays.	
11	13	9.5	92.9	0.04	0.05	5.6	4.2	11.0-17.0 Medium-coarse sands; minor fine sands and clays; some small wash.	
13	15	9.5	96.1	0.05	0.07	7.2	5.4	17.0-17.5 Stiff brown clays.	
15	17	11.5	92.8	0.06	0.08	6.9	6.2	17.5-21.0 Medium-coarse sands, some wash.	
17	19	11	157.2	0.03	0.07	6.1	5.3	21.0-22.5 Silts and fine sands, silty clays.	
19	21	13	94.4	0.14	0.19	14.5	14.8	22.5-28.5 Medium-coarse sands and small wash; minor clays and fine sands.	
21	23	13.5	121.3	0.07	0.12	9.0	9.5	28.5-29 Stiff brown clays and wood fragments.	
23	25	12.5	85.6	0.13	0.16	12.7	12.5	29-41.5 Medium-coarse sands and small wash, some birdseye, sandstone chips, minor clays.	
25	27	18	88.2	0.84	1.06	58.8	58.8	41.4-45 Coarse sands and wash, some birdseys, stiff grey clays.	
27	29	12	79.2	0.31	0.35	29.2	27.5	45-52 Medium-coarse sands, minor clays, sandstone chips, some wash, minor birdseye.	
29	31	9	81.8	0.10	0.12	13.0	9.2	52.0-57 Weathered granite.	
31	33	12	89.8	0.25	0.32	26.7	25.2	Sample Washer's Heavy Mineral Descriptions:	
33	35	15	82.0	0.67	0.78	52.3	61.6	0-3 Pyrite, ilmenite.	
35	37	12	85.6	0.21	0.26	21.4	20.2	3-5 Pyrite.	
37	39	14.5	174.2	0.12	0.30	20.6	23.4	5-25 Ilmenite, monazite.	
39	41	12	102.6	0.08	0.12	9.8	9.2	23-25 Fine trace tin, ilmenite, pyrite.	
41	43	9	91.0	0.04	0.05	5.8	4.1		
43	45	9	100.6	0.14	0.20	22.4	15.8		
45	47	11	see sizing results	"	5.61	509.6	440.0		
47	49	13.5	"	"	23.00	1703.7	1805.3		
49	51	19	80.8	1.31	1.51	79.6	79.6		
51	53	6	see sizing results	"	7.72	1286.6	605.9		
53	55	5	85.7	0.13	0.16	31.8	12.5		
55	57	6	82.5	0.10	0.12	19.6	9.3		

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 52 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 52.12 g SnO2

Grade 2 at 52 m 126.7 g SnO2/m³

604194

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 576406mE. 5452800mN DRILLING METHOD... Reverse HOLE No... K204..PC..
 SURFACE R.L... 94.3m BASEMENT R.L... 42.5m CUTTING SHOE/
 BIT DIAMETER... 100mm THEORETICAL Circulation
 VOLUME... 15.92litres PAGE... 2of..... 2
 DRILLER R... Miller SAMPLE WASHER... S... Moore ASSAY METHOD... XRF GEOLOGIST... S... Douglas DATE... 23/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								25-29 Trace tin, ilmenite, monazite.
								29-33 Fine trace tin, ilmenite, pyrite.
								33-41 Ilmenite, pyrite.
								41-43 Pyrite.
								43-45 Fine trace tin, pyrite.
								45-49 Tin, ilmenite, monazite.
								49-51 Trace tin, pyrite.
								51-53 Tin, ilmenite.
								53-57 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at... 52m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 at.....m g SnO2/m³
 Total recovered tin... 58.12g SnO2 Grade 2 at... 52m g SnO2/m³

604195

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K204 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>45-47</u>					
	plus 22	.71	0.0375	0.67	0.67
SAMPLE VOLUME <u>11.0 1</u>	plus 30	.5	0.1908	3.40	4.07
GRADE <u>440 g/m³</u>	plus 60	.25	3.5889	63.97	68.04
TOTAL GRAMS OF SnO₂ <u>5.61</u>	plus 120	.125	1.6134	28.76	96.8
	minus 120		0.1746	3.11	99.91
Sample Interval <u>47-49</u>					
	plus 22	.71	0.04611	0.20	0.20
SAMPLE VOLUME <u>13.5 1</u>	plus 30	.5	0.3163	1.38	1.58
GRADE <u>1805.3 g/m³</u>	plus 60	.25	10.4567	45.46	47.04
TOTAL GRAMS OF SnO₂ <u>23.00</u>	plus 120	.125	10.8834	47.32	94.36
	minus 120		1.3012	5.66	100.02
Sample Interval <u>51.53</u>					
	plus 22	.71	0.0603	0.78	0.78
SAMPLE VOLUME <u>6.0 1</u>	plus 30	.5	0.2975	3.85	4.63
GRADE <u>605.9 g/m³</u>	plus 60	.25	3.9788	51.54	56.17
TOTAL GRAMS OF SnO₂ <u>7.72</u>	plus 120	.125	2.9643	38.40	94.57
	minus 120		0.4196	5.43	100.00

604196

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA..Pioneer..... COLLAR CO-ORDINATES...576300.....mE...5452900.....mN DRILLING METHOD....Reverse..... HOLE No..K205..RC.....
 SURFACE R.L...96.9.....m BASEMENT R.L...50.1.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92 litres PAGE...1...of...2...
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST...S. Douglas... DATE...24/11/82...

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	8.5	111.5	0.03	0.05	5.6	2.5	0-1 Coarse, sands and brown silts.
3	5	9.5	86.9	0.05	0.06	6.5	4.9	1-2.5 Stiff brown and ochre clays.
5	7	8	101.2	0.04	0.06	7.2	4.5	2.5-5.0 Coarse sands.
7	9	8	81.7	0.19	0.22	27.7	17.4	5.0-6.5 White clayey silts and silty clays.
9	11	10	86.1	0.05	0.06	6.2	4.8	6.5-11.0 Medium-coarse sands with grey silts.
11	13	8	119.5	0.03	0.05	6.4	4.0	11.0-17.0 White and pale ochre clays, clayey silts.
13	15	15	86.8	0.03	0.04	2.5	2.9	17.0-18.0 Fine-medium sands,
15	17	18	116.6	0.02	0.03	1.9	1.9	18.0-23.0 Medium-coarse sands, small wash, minor birdseye.
17	19	10	88.6	0.11	0.14	13.9	10.9	23.0-24.0 Stiff light grey clays.
19	21	9	111.2	0.14	0.22	24.7	17.5	24.0-25.0 Silt and fine sands, becoming coarser.
21	23	11.5	86.8	0.17	0.21	18.3	16.6	25.0-31.0 Medium-coarse sands, small wash; minor stiff grey clays, ochre silts.
23	25	19	80.1	0.74	0.85	44.6	44.6	31.0-33.0 Fine sands.
25	27	13.5	91.3	1.19	1.55	114.9	121.8	33.0-45.0 Fine-medium sands, wash, minor clays; sandstone chips (wash).
27	29	11	114.4	0.30	0.49	44.6	38.5	45.0-47.0 Grey clays, sandstone chips, minor quartz wash.
29	31	11.5	80.7	0.19	0.22	19.1	17.2	47.0-51.0 Weathered granite.
31	33	5.5	102.0	0.07	0.10	18.6	8.0	Basement at 47.0
33	35	13	92.0	0.15	0.20	15.2	15.5	Sample Washer's Heavy Mineral Descriptions:
35	37	10	84.9	0.26	0.32	31.5	24.8	
37	39	9	83.2	0.14	0.17	18.5	13.1	0-7 Ilmenite, monazite.
39	41	17	81.9	0.13	0.15	9.0	9.0	7-11 Fine trace tin, ilmenite.
41	43	16	106.6	0.05	0.08	4.8	4.8	11-19 Ilmenite, monazite.
43	45	10	127.4	0.16	0.29	29.1	22.9	19-25 Fine trace tin, ilmenite, monazite.
45	47	9.5	90.0	0.11	0.14	14.9	11.1	25-27 Trace tin, ilmenite, monazite.
47	49	10	see sizing results		3.78	378.0	296.7	27-31 Pyrite, ilmenite.
49	51	9	92.6	0.31	0.41	45.6	32.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...46.8.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....9.9.....g SnO2

Grade 2 at46.8.....m32.0.....g SnO2/m³

604197

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576300 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K.205.RC.
 SURFACE R.L. 96.9 m BASEMENT R.L. 50.1 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 24/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								31-33 Pyrite.
								33-35 Fine trace tin, pyrite, ilmenite.
								35-45 Ilmenite, pyrite.
								45-47 Fine trace tin, pyrite, ilmenite.
								47-49 Tin, ilmenite, monazite.
								49-51 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 46.8 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 9.9 g SnO2 Grade 2 at 46.8 m 32.0 g SnO2/m³

604198

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576600.....mE...5452900.....mN DRILLING METHOD...Reverse..... HOLE No. K206 RC.
 SURFACE R.L. 95.2.....m BASEMENT R.L. 39.7.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100.....mm VOLUME...15.92.....litres PAGE...1.....of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...12/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	138.2	0.03	0.06	6.6	3.1	0-2.0 Medium-coarse sands, black and dark brown silts; clays.
3	5	14	103.0	0.05	0.07	5.3	5.8	
5	7	16	89.1	0.09	0.11	7.2	7.2	2.0-3.0 Ochre and white clays.
7	9	9	91.7	0.03	0.04	4.4	3.1	3.0-6.0 Fine-medium sands, black oily silts.
9	11	7	105.5	0.03	0.05	6.5	3.5	6.0-6.5 Stiff white clays, clayey silts.
11	13	12	80.8	0.03	0.03	2.9	2.7	6.5-7.0 Medium sands and silts.
13	15	11	80.2	0.01	0.01	1.0	0.9	7.0-9.0 Medium-coarse sands, minor clays.
15	17	13	97.2	0.03	0.04	3.2	3.3	9.0-11.0 Stiff pale ochre clays.
17	19	15.5	101.1	0.06	0.09	5.6	6.8	11.0-12.5 Fine-medium sands, becoming coarse with white silts.
19	21	12	105.9	0.03	0.05	3.8	3.6	
21	23	9	98.2	0.09	0.13	14.0	9.9	12.5-17.0 Stiff white clays with minor bands of fine sands and silt.
23	25	17	94.9	0.20	0.27	38.7	38.7	
25	27	14.5	92.9	0.24	0.31	22.0	25.0	17.0-19.0 Medium-coarse sand, minor fine sands and ochre silts.
27	29	12	153.6	0.16	0.35	29.3	27.6	
29	31	11	115.0	0.08	0.13	12.0	10.3	19.0-22.5 Fine sands and silt; stiff white clays.
31	33	8	86.0	0.08	0.10	12.3	7.7	22.5-23.5 Fine-medium sands.
33	35	10	107.7	0.04	0.06	6.2	4.8	23.5-30.5 Medium coarse sands; some small wash; minor clays and fine sands.
35	37	11	114.0	0.03	0.05	4.4	3.8	
37	39	12	98.9	0.14	0.20	16.5	15.5	30.5-34.0 Sandstone wash and chips, medium to coarse sand; minor quartz wash.
39	41	9	83.7	0.15	0.18	19.9	14.1	
41	43	8	172.1	0.05	0.12	15.4	9.6	34.0-35.0 Medium sands and white silts.
43	45	21	84.9	0.12	0.15	6.9	6.9	35.0-37.0 Medium-coarse sands; small wash.
45	47	7	87.5	0.15	0.19	26.8	14.7	37.0-37.5 Brown and grey brown clays.
47	49	12	103.9	1.05	1.56	129.9	122.3	37.5-51.0 Coarse sand and sandstone wash; minor fine sands and grey clays, minor quartz wash.
49	51	12	159.0	2.12	4.82	401.3	378.0	
51	53	8	96.7	0.15	0.21	25.9	16.3	
53	55	9	83.1	0.12	0.14	15.8	11.2	51.0-55.5 Grey and grey-blue sandy clays, with minor coarse sand and sandstone clays.
55	57	8	88.4	0.15	0.19	23.7	14.9	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...55.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...9.86.....g SnO2

Grade 2 at...55.5.....m...28.3.....g SnO2/m³

604199

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES.....576600.....mE.....5452900.....mN DRILLING METHOD Reverse
 SURFACE R.L. 95.2.....m BASEMENT R.L. 39.7.....m CUTTING SHOE/ BIT DIAMETER.....100 mm THEORETICAL CIRCULATION VOLUME.....15.92.....litres PAGE 2 of 2
 DRILLER R. Miller..... SAMPLE WASHER S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE 12/11/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
57	59	8	175.4	0.06	0.15	18.8	11.8	55.5-59.0 Weathered granite. Basement at 55.5
Sample Washer's Heavy Mineral Descriptions:								
0-23 Ilmenite, monazite.								
23-29 Trace tin, ilmenite, monazite.								
29-31 Fine trace tin, ilmenite, monazite.								
31-33 Fine trace tin, ilmenite.								
33-45 Ilmenite, monazite.								
35-47 Ilmenite, pyrite.								
47-51 Trace tin, pyrite.								
51-59 Pyrite.								

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 55.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO₂/m³
 Total recovered tin 9.86 g SnO₂ Grade 2 at 55.5 m 28.27 g SnO₂/m³

604200

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576270.....mE...5452674.....mN DRILLING METHOD...Reverse..... HOLE No...K207-RC...
 SURFACE R.L...91.6.....m BASEMENT R.L...41.6.....m CUTTING SHOE/ BIT DIAMETER...100 mm..... THEORETICAL VOLUME...15.92.....litres PAGE...1...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas... DATE...30/11/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	106.8	0.03	0.05	7.6	2.4	0-3.0 Coarse sands and black silts.
3	5	7	100.5	0.86	1.23	176.4	96.9	3.0-4.0 Light brown silts and coarse sands.
5	7	9	84.0	0.22	0.26	29.3	20.7	4.0-6.5 Medium-coarse sands.
7	9	10.5	120.4	0.05	0.09	8.2	6.8	6.5-7.5 Stiff white clays.
9	11	4	113.0	0.01	-	-	-	7.5-10.0 Dark brown clays with wood fragments; minor fine sands.
11	13	8	90.5	0.07	0.09	11.3	7.1	
13	15	14.5	100.0	0.08	0.11	7.9	9.0	10.0-12.5 Medium to coarse sands, wood fragments.
15	17	14	86.5	0.20	0.25	17.7	19.4	12.5-16.0 Fine sands, becoming coarser, minor wash.
17	19	12.5	84.2	0.11	0.13	10.6	10.4	
19	21	11	87.0	0.09	0.11	10.2	8.8	16.0-25.0 Medium-coarse sands, small wash and birdseye, grey silts; minor clays.
21	23	14	102.0	0.27	0.39	28.1	30.9	
23	25	13	99.0	0.32	0.46	35.0	35.8	25.0-30.5 Medium-coarse sands and wash, predominantly sandstone.
25	27	8	113.7	0.09	0.15	18.3	11.5	
27	29	12.5	90.4	0.06	0.08	6.2	6.1	30.5-32.5 Brown silty clays.
29	31	19	119.8	0.07	0.12	6.3	6.3	32.5-39.0 Fine-medium sands and small wash some birdseye clay; minor sands and clays.
31	33	18	103.0	0.25	0.37	20.4	20.4	
33	35	13	120.0	0.17	0.29	22.4	22.4	39.0-40.0 Wash, birdseye and coarse sands; minor grey clays.
35	37	24	86.7	0.14	0.17	7.2	7.2	
37	39	14.5	90.8	0.23	0.30	20.6	23.4	40.0-41.0 Blue grey clays, minor coarse sands.
39	41	6.5	91.0	0.06	0.08	12.0	6.1	41.0-45.0 Medium-coarse sands, wash and birdseye.
41	43	12	87.9	0.78	0.98	81.6	76.9	45.0-47.0 Medium-coarse sands; minor clays; smokey quartz.
43	45	17	see sizing results	"	2.83	166.2	166.2	
45	47	23	"	"	18.61	808.8	808.8	47.0-50.0 Medium sands with wash; birdseye; minor fine sands.
47	49	34	"	"	27.63	812.8	812.8	
49	51	8.5	"	"	53.90	6346.6	4230.4	50.0-55.0 Weathered granite.
51	53	10	83.8	0.23	0.28	27.5	21.6	
53	55	10	80.7	0.14	0.16	16.1	12.7	Sample washer's Heavy Mineral Descriptions:

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at...50:0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...109.11.....g SnO2

Grade 2 at...50:0.....m...259.28.....g SnO2/m³

604201

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576270.....mE.....5452674.....mN DRILLING METHOD...Reverse..... HOLE No...K207..RC.....
 SURFACE R.L...91.6.....m BASEMENT R.L...41.6.....m CUTTING SHOE/
 BIT DIAMETER...100 mm..... THEORETICAL Circulation
 VOLUME...15.92.....litres PAGE...2...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...30.11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								0-3 Ilmenite, monazite.
								3-5 Trace tin, ilmenite, monazite.
								5-9 Ilmenite, monazite.
								9-13 Ilmenite, pyrite.
								13-15 Pyrite.
								15-23 Ilmenite, pyrite.
								23-25 Fine trace tin, ilmenite, pyrite.
								25-41 Ilmenite, pyrite.
								41-43 Trace tin, ilmenite, pyrite.
								43-51 Tin, ilmenite.
								51-55 Very fine trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad: F = 80%
 Drillers reported basement at...50.0.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin...109.11.....g SnO2 Grade 2 at ...50.0.....m ...259.28.....g SnO2/m³

604202

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K207 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>43 - 45</u>					
	plus 22	.71	0.04	1.41	1.41
SAMPLE VOLUME <u>17.0 l</u>	plus 30	.5	0.092	3.25	4.66
GRADE <u>166.2 g/lm³</u>	plus 60	.25	0.232	8.2	12.86
TOTAL GRAMS OF SnO₂ <u>2.83</u>	plus 120	.125	2.188	77.31	90.17
	minus 120		0.274	9.68	99.85
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.066	0.35	0.35
SAMPLE VOLUME <u>23.01</u>	plus 30	.5	0.188	1.01	1.36
GRADE <u>808.8 g/lm³</u>	plus 60	.25	4.691	25.21	26.57
TOTAL GRAMS OF SnO₂ <u>18.61</u>	plus 120	.125	12.347	66.35	92.92
	minus 120		1.311	7.04	99.96
Sample Interval <u>47 - 49</u>					
	plus 22	.71	0.072	0.26	0.26
SAMPLE VOLUME <u>34.0 l</u>	plus 30	.5	0.333	1.20	1.46
GRADE <u>812.8 g/lm³</u>	plus 60	.25	9.187	33.25	34.71
TOTAL GRAMS OF SnO₂ <u>27.63</u>	plus 120	.125	15.695	56.80	91.51
	minus 120		2.347	8.49	100.00

604203

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K207 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>49 - 51</u>					
	plus 22	.71	1.611	2.99	2.99
SAMPLE VOLUME <u>8.51</u>	plus 30	.5	10.203	18.93	21.92
GRADE <u>4230.4 g/m³</u>	plus 60	.25	30.851	57.24	79.16
TOTAL GRAMS OF SnO ₂ <u>53.90</u>	plus 120	.125	9.205	17.08	96.24
	minus 120		2.026	3.76	100.00
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604204

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576600.....mE...5452600.....mN DRILLING METHOD...Reverse..... HOLE No...K208 RC.....
 SURFACE R.L...93.3.....m BASEMENT R.L...52.3.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER...100 mm..... VOLUME...15.92.....litres PAGE...1 of 2.....
 DRILLER R...Miller..... SAMPLE WASHER S...Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...30/11/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	12	83.6	0.09	0.11	9.0	5.6	0-3.0 Coarse sand and light brown silts.
3	5	13	121.2	0.04	0.07	5.3	5.4	3.0-5.0 Coarse sands.
5	7	9.5	96.0	0.08	0.11	11.5	8.6	5.0-6.25 Medium sands and ochre silts.
7	9	15	104.9	0.13	0.19	13.0	15.3	6.25-7.0 Stiff brown clays.
9	11	15	100.2	0.08	0.11	7.6	9.0	7.0-9.5 Fine-medium sands and black oily silts;
11	13	14	99.3	0.12	0.17	12.2	13.4	minor coarse sands.
13	15	16.5	100.2	0.07	0.10	6.1	6.1	9.5-10.0 Stiff dark brown clays, with wood
15	17	15	89.0	0.05	0.06	4.2	5.0	fragments.
17	19	13	119.7	0.02	0.03	2.6	2.7	10.0-16.5 Medium-coarse sands, minor clays; some
19	21	9	97.5	0.11	0.15	17.0	12.0	small wash; pyrite nodule.
21	23	21	89.7	0.83	1.06	50.6	50.6	16.5-20.5 Stiff brown clays and grey clays.
23	25	12	114.4	0.09	0.15	12.3	11.6	20.5-21.0 Fine sands and silts.
25	27	12	84.7	0.20	0.24	20.2	19.0	21.0-25.0 Medium-coarse sands and wash, some
27	29	14	89.2	0.08	0.10	7.3	8.0	birdseye; minor clays.
29	31	21.5	94.5	0.06	0.08	3.8	3.8	25.0-27.0 Fine sands; quartz and sandstone wash.
31	33	10	86.1	0.10	0.12	12.3	9.7	27.0-32.0 Medium-coarse sands and wash; minor
33	35	13.5	70.3	0.11	0.11	8.2	8.7	clays.
35	37	14	88.1	0.18	0.23	16.2	17.8	32.0-32.5 Stiff brown clays.
37	39	9	102.6	0.11	0.16	17.9	12.7	32.5-35.0 Medium-coarse sands, pyrite; some wash,
39	41	9	172.7	0.04	0.10	11.0	7.7	birdseye.
41	43	9	80.0	0.04	0.05	5.1	3.6	35.0-39.0 Fine-medium sands and wash; minor clays.
43	45	7.5	95.6	0.06	0.08	10.9	6.4	39.0-41.0 Coarse sands, sandstone chips and blue-
45	47	5	97.0	0.04	0.06	11.1	4.4	grey clays; some birdseye.
								41.0-47.0 Granite.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-9 Ilmenite, monazite.
								9-11 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...41.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....3.88.....g SnO2

Grade 2 at...41.0.....m...12.18.....g SnO2/m³

604205

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576600 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K208 RC
 SURFACE R.L. 93.3 m BASEMENT R.L. 52.3 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/11/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
From m	To m							
								11-13 Pyrite, ilmenite.
								13-37 Pyrite, ilmenite.
								37-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 41.0 m
 Total recovered volume, surface to basement — litres
 Total recovered tin 3.88 g SnO₂

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO₂/m³
 Grade 2 at 41.0 m 12.18 g SnO₂/m³

604206

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576600 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K 209 RC.
 SURFACE R.L. 89.6 m BASEMENT R.L. 49.1 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/11/82.

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	9.5	91.9	0.09	0.12	12.4	6.2	0-3.0 Coarse sands and dark brown silts.	
3	5	10	112.1	0.06	0.09	9.6	7.5	3.0-5.0 Coarse sands and clays.	
5	7	8	84.5	0.12	0.15	18.1	11.4	5.0-7.5 Fine-medium sands; minor clays.	
7	9	10	105.2	0.05	0.08	7.5	5.9	7.5-17.0 Stiff dark and light brown clays; wood fragments; minor fine sands.	
9	11	14	80.0	0.08	0.09	6.5	7.2	17.0-19.0 Fine sands and silts; minor wash.	
11	13	16.5	135.7	0.02	0.04	2.3	2.3	19.0-21.5 Medium-coarse sands and wash; some birdseye.	
13	15	17	94.3	0.03	0.04	2.4	2.4	21.5-22.5 Stiff brown clays.	
15	17	14	142.3	0.02	0.04	2.9	3.2	22.5-28.0 Medium coarse sands and wash.	
17	19	14	80.0	0.81	0.93	66.1	72.7	28.0-32.5 Fine-medium sands.	
19	21	14	80.0	0.13	0.15	10.6	11.7	32.5-37.0 Medium-coarse sand, some wash; minor clays.	
21	23	10	108.0	0.13	0.20	20.1	15.7	37.0-37.5 Stiff grey clay.	
23	25	8	87.9	0.06	0.08	9.4	5.9	37.5-40.0 Medium-coarse sand and small wash; minor fine sands.	
25	27	9	80.0	0.05	0.06	6.3	4.5	40.0-40.5 Mottled grey and white clays.	
27	29	16	80.0	0.05	0.06	3.6	3.6	40.5-45.0 Granite.	
29	31	17	80.0	0.07	0.08	4.7	4.7	Sample Washer's Heavy Mineral Descriptions:	
31	33	17	80.4	0.24	0.28	16.2	16.2		
33	35	10	83.0	0.06	0.07	7.1	5.6	0-9 Ilmenite, monazite.	
35	37	11	80.0	0.12	0.14	12.5	10.8	9-17 Ilmenite, pyrite.	
37	39	13	80.0	0.11	0.13	9.7	9.9	17-19 Trace tin, ilmenite, monazite.	
39	41	11	114.2	0.29	0.47	43.0	37.0	19-21 Fine trace tin, ilmenite, monazite.	
41	43	8	80.0	0.11	0.13	15.7	9.9	21-27 Ilmenite, pyrite.	
43	45	8	100.8	0.09	0.13	16.2	10.2	27-31 Pyrite.	
								31-41 Pyrite, ilmenite.	
								41-45 Pyrite	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 40 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 3.8 g SnO2

Grade 2 at 40.0 m 13.37 g SnO2/m³

604207

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 545267 mN DRILLING METHOD Reverse HOLE No. K210 RC
 SURFACE R.L. 89.7 m BASEMENT R.L. 49.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.22 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 1/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample	
From m	To m								
0	3	11	104.9	0.09	0.13	12.3	7.1	0-2.0	Medium-coarse sands and light brown silts.
3	5	10	88.8	0.04	0.05	5.1	4.0		
5	7	9	84.5	0.07	0.08	9.4	6.6	2.0-4.0	Stiff clays.
7	9	13.5	80.0	0.06	0.07	5.1	5.4	4.0-8.5	Fine-medium sands, minor coarse sands and clays.
9	11	10	119.7	0.05	0.09	8.6	6.7		
11	13	13	124.1	0.02	0.04	2.7	2.8	8.5-9.0	Stiff dark brown clays.
13	15	14	110.4	0.02	0.03	2.3	2.5	9.0-11.0	Coarse sands and dark brown silts; minor clays.
15	17	12	89.9	0.04	0.05	4.3	4.0		
17	19	15.5	90.3	0.72	0.93	60.0	73.0	11.0-17.5	Stiff light brown clays; minor fine sands.
19	21	17	80.5	0.86	0.99	58.2	58.2		
21	23	16.5	80.3	0.34	0.39	23.6	23.6	17.5-18.5	Silts and fine sands.
23	25	13	80.2	0.25	0.29	22.0	22.5	18.5-29.0	Medium-coarse sands and small wash; sandstone and quartz wash.
25	27	10	80.0	0.08	0.09	9.1	7.2		
27	29	15	80.1	0.07	0.08	5.3	6.3	29.0-31.0	Stiff dark brown clays with wood fragments; minor silts.
29	31	9	118.0	0.11	0.19	20.6	14.6		
31	33	24.5	102.7	0.85	1.25	50.9	50.9	31.0-37.0	Coarse sand and wash, some birdseye; minor fine sands and clays.
33	35	21	91.5	0.16	0.21	10.0	10.0		
35	37	11	140.5	0.09	0.18	16.4	14.2	37.0-40.5	Coarse sands and wash with grey-blue clays.
37	39	10	79.0	0.16	0.18	18.1	14.2		
39	41	13	131.1	1.59	2.98	229.1	233.7	40.5-45.0	Granite.
41	43	9.5	104.4	0.09	0.13	14.1	10.5		
43	45	8	84.7	0.08	0.10	12.1	7.6		
								<u>Sample Washer's Heavy Mineral Descriptions:</u>	
								0-11	Ilmenite, monazite.
								11-17	Pyrite.
								17-21	Fine trace tin, ilmenite, pyrite.
								21-23	Trace tin, pyrite.
								23-25	Fine trace tin, ilmenite, pyrite.
								25-29	Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 40.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g SnO2/m³

Total recovered tin 8.52 g SnO2

Grade 2 at 40.5 m 39.1 g SnO2/m³

604208

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576500 mE 545267 mN DRILLING METHOD Reverse HOLE No. K210 RC.
 SURFACE R.L. 89.7 m BASEMENT R.L. 49.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 1/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
								29-31 Fine trace tin, ilmenite, pyrite.
								31-33 Ilmenite, monazite.
								33-37 Pyrite.
								37-41 Trace tin, pyrite.
								41-43 Pyrite.
								43-45 Trace tin, pyrite

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Drillers reported basement at 49.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g Sn02/m³
 Total recovered tin 8.52 g Sn02 Grade 2 at 49.5 m 29.1 g Sn02/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K211 RC.
 SURFACE R.L. 93.4 m BASEMENT R.L. 42.7 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 1/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	5	7	89.6	0.03	0.04	5.5	2.0	0-5.0 Medium-coarse sand and brown silts; minor clays.
3	5	12.5	145.8	0.26	0.54	43.3	42.5	
5	7	8	99.8	0.04	0.06	7.1	4.5	5.0-6.5 Coarse sand.
7	9	13	92.3	0.02	0.03	2.0	2.1	6.5-12.0 Stiff brown clay and grey clays.
9	11	13	118.3	0.03	0.05	3.9	4.0	12.0-15.5 Medium-coarse sands; minor fine sands and clays.
11	13	11	120.0	0.01	-	-	-	
13	15	13	97.6	0.07	0.10	7.5	7.7	15.5-16.0 Fine sands and silts.
15	17	17.5	83.7	1.86	2.22	127.1	127.1	16.0-19.0 Medium-coarse sands and wash; some birdseye.
17	19	18	83.5	0.19	0.23	12.6	12.6	
19	21	16	88.7	0.13	0.16	10.3	10.3	19.0-20.5 Ochre silts and fine sands.
21	23	13	89.6	0.10	0.13	9.9	10.1	20.5-23.0 Medium-coarse sands and ochre silts; minor fine sands.
23	25	13	112.6	1.03	1.80	138.8	141.6	
25	27	17	104.0	0.13	0.19	11.4	11.4	23.0-33.0 Medium-coarse sands and small wash, some birdseye.
27	29	17	131.0	0.04	0.07	4.4	4.4	
29	31	14	99.8	0.05	0.07	5.1	5.6	33.0-34.0 Fine sands and silts.
31	33	21	81.1	0.72	0.83	39.7	39.7	34.0-35.0 Medium-coarse sands, some wash.
33	35	22	91.3	0.15	0.20	8.9	8.9	35.0-37.0 Fine-medium sands.
35	37	16.5	123.8	0.11	0.19	11.8	11.8	37.0-39.0 Fine-medium sands, wash, some birdseye; minor clays.
37	39	5	100.9	0.07	0.10	20.2	7.9	
39	41	10.5	123.8	0.15	0.27	25.3	20.8	39.0-43.0 Fine-medium sand; some birdseye, smokey quartz; minor clays.
41	43	19	78.2	1.35	1.51	79.4	79.4	
43	45	20	see sizing results	"	14.38	719.0	719.0	43.0-47.0 Medium sands, minor clays; some wash, some birdseye.
45	47	25	" "	"	54.58	2183.2	2183.2	
47	49	20.5	" "	"	30.04	1465.4	1465.4	47.0-49.0 Medium-coarse sand, wash and birdseye.
49	51	16	" "	"	27.53	1720.3	1720.3	49.0-50.75 Fine-medium sand; some small birdseye.
51	53	8	90.5	0.14	0.18	22.6	14.2	50.75-55.0 Granite.
53	55	8	171.0	0.17	0.42	51.9	32.6	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 50.7 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 135.92 litres

Grade 1 at 50.7 m 263.9 g SnO2/m³

Total recovered tin 135.92 g SnO2

Grade 2 at 50.7 m 263.9 g SnO2/m³

604210

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE. 5452700 mN DRILLING METHOD Reverse HOLE No. K211 RC.
 SURFACE R.L. 93.4 m BASEMENT R.L. 42.7 m CUTTING SHOE/ THEORETICAL CIRCULATION
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 1/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-7 Ilmenite, monazite.
								7-11 Ilmenite, pyrite.
								11-15 Ilmenite, monazite.
								15-17 Small amount tin, ilmenite, monazite.
								17-19 Fine trace tin, ilmenite, monazite.
								19-21 Trace tin, ilmenite, monazite.
								21-23 Fine trace tin, ilmenite, monazite.
								23-25 Trace tin, ilmenite, monazite.
								25-27 Fine trace tin, ilmenite, pyrite.
								27-29 Ilmenite, pyrite.
								29-39 Pyrite.
								39-41 Fine trace tin, pyrite.
								41-43 Small amount tin, ilmenite.
								43-45 Tin, ilmenite, monazite.
								45-51 Large amount tin, ilmenite.
								51-53 Fine trace tin, pyrite.
								53-55 Fine trace tin, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 50.7 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 135.92 litres

Grade 1 at 50.7 m 363.9 g SnO2/m³

Total recovered tin 135.92 g SnO2

Grade 2 at 50.7 m 363.9 g SnO2/m³

604211

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K211 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>43 - 45</u>					
	plus 22	.71	.028	0.20	0.20
SAMPLE VOLUME <u>20 l</u>	plus 30	.5	0.0849	0.59	0.79
GRADE <u>719.0 g/m³</u>	plus 60	.25	3.000	20.86	21.65
TOTAL GRAMS OF SnO₂ <u>14.384</u>	plus 120	.125	9.936	69.08	90.73
	minus 120		1.3015	9.05	99.78
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.1086	0.20	0.20
SAMPLE VOLUME <u>25 l</u>	plus 30	.5	1.1208	2.05	2.25
GRADE <u>2183.2 g/m³</u>	plus 60	.25	30.1125	55.17	57.42
TOTAL GRAMS OF SnO₂ <u>54.5275</u>	plus 120	.125	20.5485	37.65	95.07
	minus 120		2.6871	4.92	99.99
Sample Interval <u>47 - 49</u>					
	plus 22	.71	0.104	0.35	0.35
SAMPLE VOLUME <u>20.5 l</u>	plus 30	.5	0.3596	1.20	1.55
GRADE <u>1465.4 g/m³</u>	plus 60	.25	8.7089	28.99	30.54
TOTAL GRAMS OF SnO₂ <u>30.04</u>	plus 120	.125	18.6016	61.92	92.46
	minus 120		2.2657	7.54	100.00

604212

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K211 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>49 - 51</u>					
	plus 22	.71	0.3552	1.29	1.29
SAMPLE VOLUME <u>16.01</u>	plus 30	.5	1.4732	5.35	6.64
GRADE <u>1720.3 g/m³</u>	plus 60	.25	12.954	47.06	53.70
TOTAL GRAMS OF SnO ₂ <u>27.525</u>	plus 120	.125	10.725	38.96	92.66
	minus 120		2.0172	7.33	99.99
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604213

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K212.RC.
 SURFACE R.L. 95.4 m BASEMENT R.L. 41.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 1/12/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	89.9	0.06	0.08	9.4	4.4	0-3.0 Medium-coarse sand and brown silt.
3	5	17.5	86.6	1.01	1.25	71.4	71.4	3.0-4.5 Clays and silts.
5	7	11	119.2	0.20	0.34	31.0	26.7	4.5-5.5 Medium sands.
7	9	13	91.7	0.09	0.12	9.1	9.3	5.5-8.0 Stiff grey clays.
9	11	14	115.7	0.03	0.05	3.5	3.9	8.0-9.5 Fine medium sands.
11	13	12.5	88.3	0.02	0.03	2.0	2.0	9.5-15.0 Stiff brown clays with wood fragments;
13	15	13	142.2	0.01	0.02	1.6	1.6	grey clays.
15	17	15.5	99.2	0.03	0.04	2.7	3.3	15.0-18.0 Medium-coarse sands, brown silts, wood
17	19	12	106.5	0.89	1.35	112.8	106.3	fragments.
19	21	13	155.5	0.04	0.09	6.8	7.0	18.0-21.0 Medium-coarse sands, small wash; minor
21	23	20	353.7	0.02	0.10	5.1	5.1	clays.
23	25	12	143.6	0.04	0.08	6.8	6.4	21.0-23.0 Coarse sands, minor wash, birdseye.
25	27	13	95.1	0.23	0.31	24.0	24.5	23.0-27.0 Fine-medium sands; wash; minor clays
27	29	14.5	77.5	1.31	1.45	100.0	113.8	and silts.
29	31	12	80.8	0.73	0.84	70.2	66.1	27.0-35.0 Medium-coarse sands and wash; sandstone
31	33	12.5	89.1	0.14	0.18	14.3	14.0	chips; minor clays.
33	35	10	85.8	0.10	0.12	12.3	9.6	35.0-37.0 Fine-medium sands, wash, some birdseye;
35	37	19	157.7	0.03	0.07	3.6	3.6	minor clays.
37	39	13	170.0	0.10	0.24	18.7	19.1	37.0-38.5 Stiff dark brown clays with wood
39	41	13.5	87.8	0.84	1.05	78.0	82.7	fragments.
41	43	13	156.6	0.07	0.16	12.0	12.3	38.5-39.0 Fine-medium sands.
43	45	15	80.6	0.09	0.10	6.9	8.1	39.0-41.0 Medium-coarse sands and small wash,
45	47	16	106.2	0.65	0.99	61.6	61.6	minor clays, sandstone chips.
47	49	22	see sizing results		12.92	587.3	587.3	41.0-47.0 Medium-coarse sands and small wash,
49	51	14.5	" "	"	11.31	780.2	888.0	smokey quartz; some fine sand.
51	53	22	" "	"	30.64	1392.5	1392.5	47.0-49.0 Medium-coarse sands and small wash, some
53	55	8	99.8	1.27	1.81	226.3	142.1	birdseye; minor clays.
55	57	4	104.2	0.19	0.28	70.7	22.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 53.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 66.2 g SnO2

Grade 2 at 53.5 m 138.8 g SnO2/m³

604214

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...526200.....mE.....5452600.....mN DRILLING METHOD...Reverse..... HOLE No. K212 RC.....
 SURFACE R.L.....95.4.....m BASEMENT R.L.....41.9.....m CUTTING SHOE/ 100 mm THEORETICAL Circulation..... PAGE...2...of...2...
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore ASSAY METHOD...XRF..... VOLUME...15.92.....litres GEOLOGIST...S. Douglas..... DATE...1/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	6	120.9	0.11	0.19	31.7	14.9	49.0-51.0 Medium-coarse sands; minor clays, smokey quartz.
								51.0-53.5 Medium-coarse sands and clays; minor wash.
								53.5-59 Granite.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Fine trace tin, ilmenite, monazite.
								3-5 Trace tin, ilmenite, monazite.
								5-9 Ilmenite, monazite, pyrite.
								9-27 Pyrite.
								27-29 Small amount tin, ilmenite, pyrite.
								29-31 Trace tin, ilmenite, pyrite.
								31-39 Pyrite,
								39-41 Trace tin, pyrite.
								41-47 Pyrite.
								47-53 Tin, pyrite.
								53-55 Trace tin, pyrite.
								55-59 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at...53.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....66.2.....g SnO2

Grade 2 at53.5.....m138.8.....g SnO2/m³

604215

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K212 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>47 - 49</u>					
	plus 22	.71	0.087	0.67	0.67
SAMPLE VOLUME <u>22.1</u>	plus 30	.5	0.141	1.09	1.77
GRADE <u>587.3 glm³</u>	plus 60	.25	3.313	25.65	27.42
TOTAL GRAMS OF SnO₂ <u>12.916</u>	plus 120	.125	8.311	64.35	91.76
	minus 120		1.063	8.23	100.00
Sample Interval <u>49 - 51</u>					
	plus 22	.71	0.056	0.50	0.50
SAMPLE VOLUME <u>14.51</u>	plus 30	.5	0.104	0.92	1.41
GRADE <u>888.0 glm³</u>	plus 60	.25	2.814	24.87	26.29
TOTAL GRAMS OF SnO₂ <u>11.313</u>	plus 120	.125	7.444	65.80	92.09
	minus 120		0.897	7.93	100.00
Sample Interval <u>51 - 53</u>					
	plus 22	.71	0.058	0.19	0.19
SAMPLE VOLUME <u>22.1</u>	plus 30	.5	0.161	0.53	0.71
GRADE <u>1392.5 glm³</u>	plus 60	.25	6.549	21.38	22.09
TOTAL GRAMS OF SnO₂ <u>30.636</u>	plus 120	.125	21.014	68.59	90.68
	minus 120		2.854	9.32	100.00

604216

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K213 RC.
 SURFACE R.L. 96.2 m BASEMENT R.L. 46.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/12/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5.5	104.6	0.04	0.06	10.9	3.1	0-2 Dark brown silty grit and sand.
3	5	7	123.9	0.02	0.04	5.1	2.8	2-3 Soft grey clay; subordinate sand and grit.
5	7	10	91.9	0.01	-	-	-	3-6.5 Sand and drift with light grey silt.
7	9	9	80.1	2.24	2.56	284.8	201.2	Minor layers of grey clay.
9	11	10	84.5	0.15	0.18	18.1	14.2	6.5-7.5 Sand and drift with dark grey silty clay.
11	13	9.5	88.6	0.14	0.18	18.7	13.9	7.5-8 Brown silty sand and drift.
13	15	4.5	121.2	0.02	0.03	7.7	2.7	8-12.5 Sand (mainly coarse), drift, light to dark grey silty clay.
15	17	10	104.7	0.21	0.31	31.4	24.7	
17	19	13	123.3	0.32	0.56	43.4	44.2	12.5-15 Soft grey clay.
19	21	12	183.0	0.13	0.34	28.3	26.7	15-16.5 Grey silt, medium to fine sand.
21	23	12.5	135.5	0.17	0.33	26.3	25.8	16.5-17.5 Grey silt, sand, minor drift.
23	25	9	89.3	0.04	0.05	5.7	4.0	17.5-20 Grey silt, sand, drift including large
25	27	16	101.9	0.04	0.06	3.6	3.6	drift, small wash.
27	29	19.5	82.8	0.64	0.76	38.8	38.8	20-26 Brown to dark brown silt, sand drift
29	31	15	135.5	0.24	0.46	30.9	36.5	including large drift, small wash; brown
31	33	10	85.0	0.19	0.23	23.1	18.1	clay bands.
33	35	15.5	83.1	0.14	0.17	10.7	13.1	26-26.5 Yellow silts, sand, rounded drift and
35	37	24	126.6	0.02	0.04	1.5	1.5	wash. Felspar granules noted.
37	39	18	107.5	0.05	0.08	4.3	4.3	26.5-44.6 Grey silts occasionally grading to clay,
39	41	10	119.1	0.13	0.22	22.1	17.4	small to large sub-angular wash (soft
41	43	11	97.4	0.12	0.17	15.2	13.1	sandstone-siltstone, band dark siltstone,
43	45	9	88.4	0.06	0.08	8.4	6.0	quartz types) angular drift and sand;
45	47	1	104.1	0.01	-	-	-	occasional grey clay horizons.
47	49	6.5	96.3	0.07	0.10	14.8	7.6	44.6-47 Brown clayey sands and grits, rare wash.
49	51	7	102.1	0.05	0.07	10.4	5.7	47-49.5 Drift and sand plus soft siltstone wash
51	53	7	159.3	0.04	0.09	13.0	7.2	in grey silty clays.
								49.5-53 White hard clayey decomposed granite
								basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 49.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 7.16 litres

Grade 1 at 49.5 m 21.7 g SnO2/m³

Total recovered tin 7.16 g SnO2

Grade 2 at 49.5 m 21.7 g SnO2/m³

604217

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE 5452600 mN DRILLING METHOD Reverse HOLE No K213 RC
 SURFACE R.L. 96.2 m BASEMENT R.L. 46.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 17.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								0-7 Ilmenite, monazite.
								7-9 Small amount tin, ilmenite.
								9-11 Ilmenite, monazite.
								11-17 Ilmenite, monazite, pyrite.
								17-23 Pyrite.
								23-27 Ilmenite, pyrite.
								27-29 Trace tin, pyrite.
								29-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 49.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 7.16 litres Grade 1 at 49.5 m g SnO2/m³
 Total recovered tin 7.16 g SnO2 Grade 2 at 49.5 m 21.7 g SnO2/m³

60421S

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Pioneer..... COLLAR CO-ORDINATES.....576200.....mE.....5452829.....mN DRILLING METHOD...Reverse..... HOLE No..K214..RC.....
 SURFACE R.L.....91.8.....m BASEMENT R.L.....45.3.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100..mm..... VOLUME.....15.92.....litres PAGE..1.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore... ASSAY METHOD..... XRF..... GEOLOGIST R. Munro..... DATE...6/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	3	92.6	0.01	-	-	-	0-4 Light grey coarse sand and grit.
3	5	2	101.2	0.02	0.29	14.5	2.3	4-7.2 Brown silty coarse sands and grit.
5	7	1	96.3	0.02	0.03	27.5	2.1	7.2-9.2 White slightly gritty tenaceous clay.
7	9	16	87.7	0.02	0.03	1.6	1.6	9.2-13 Coarse sand, yellow silts, drift.
9	11	14.5	81.8	0.29	0.34	23.4	26.6	13-17 Drift, small wash, coarse sands, light brown silts.
11	13	11	80.0	0.04	0.05	4.2	3.6	
13	15	12.5	83.7	1.10	1.32	105.2	103.2	17-18 Coarse drift, small wash.
15	17	10	91.8	0.27	0.35	35.4	27.8	18-18.9 Grey silty clays.
17	19	10	102.8	0.25	0.37	36.7	28.8	18.9-21 Brown silt, sand drift, small wash.
19	21	9	91.0	0.33	0.43	47.7	33.7	21-24 Coarse drift, yellow silts, small, coarse sand.
21	23	14	120.5	1.94	3.34	238.5	262.1	
23	25	12	95.0	0.69	0.94	78.0	73.5	24-25 Coarse drift, brown silts, small wash, coarse sand.
25	27	7.5	102.7	0.11	0.16	21.5	12.7	
27	29	10	108.5	0.11	0.17	17.1	13.4	25-41 Coarse grey-brown silts, small angular wash, grey silty clays appearing in layers from 35 m. Larger "raw" wash from 37 m. Clays turn greenish grey from 37 m, also more tenaceous.
29	31	11	88.7	0.17	0.22	19.6	16.9	
31	33	12	95.3	0.23	0.31	26.1	24.6	
33	35	5.5	112.2	0.09	0.14	26.2	11.3	
35	37	9.5	84.7	0.11	0.13	14.0	10.5	
37	39	12	86.1	0.06	0.07	6.2	5.8	41-42 Similar to above but mostly greenish silts.
39	41	12	87.6	0.04	0.05	4.2	3.9	42-44.5 Drift, pure and impure grey clay layers.
41	43	10	180.0	0.09	0.23	23.1	18.2	44.5-46.5 Grey silt, drift, small wash. Thin grey clay layers.
43	45	13	82.0	2.81	3.29	253.2	258.4	
45	47	10.5	see sizing results	"	5.98	569.5	469.4	46.5-51 Granite basement.
47	49	13	"	"	16.78	1290.6	1317.0	
49	51	7	90.8	0.27	0.35	50.3	27.5	
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-9 Ilmenite, monazite.
								9-13 Small trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....46.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....35.10.....g SnO2

Grade 2 at.....46.5.....m.....118.5.....g SnO2/m³

604219

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES.....576200.....mE.....5452829.....mN DRILLING METHOD.....Reverse..... HOLE No. K214 RC.....
 SURFACE R.L.....91.8.....m BASEMENT R.L.....45.3.....m CUTTING SHOE/ BIT DIAMETER..... 100 mm THEORETICAL VOLUME.....15.92.....litres Circulation PAGE...2.....of.....2.....
 DRILLER R.A. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST.....R. Munro..... DATE...6/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
From m	To m							
								13-15 Small amount tin, ilmenite, monazite.
								15-17 Fine trace tin, ilmenite, monazite.
								17-21 Trace tin, ilmenite, monazite.
								21-25 Small amount tin, ilmenite, monazite.
								25-29 Fine trace tin, pyrite.
								29-31 Trace tin, ilmenite, pyrite.
								31-33 Fine trace tin, pyrite.
								33-35 Pyrite.
								35-41 Fine trace tin, pyrite,
								41-43 Pyrite.
								43-45 Small amount tin, ilmenite,
								45-47 Large amount tin, ilmenite.
								47-49 Tin, ilmenite, pyrite.
								49-51 Trace tin, ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....46.5.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO₂/m³
 Total recovered tin.....35.10.....g SnO₂ Grade 2 at46.5.....m118.5.....g SnO₂/m³

604220

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K214 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>45 - 47</u>					
	plus 22	.71	0.27	4.52	4.52
SAMPLE VOLUME <u>10.5 l</u>	plus 30	.5	1.05	17.56	22.08
GRADE <u>469.4 g/lm³</u>	plus 60	.25	1.66	27.76	49.84
TOTAL GRAMS OF SnO ₂ <u>5.98</u>	plus 120	.125	2.72	45.48	95.32
	minus 120		0.28	4.68	100.00
Sample Interval <u>47 - 49</u>					
	plus 22	.71	B.L.D.	-	-
SAMPLE VOLUME <u>13.0 l</u>	plus 30	.5	0.113	0.67	0.67
GRADE <u>1317.0 g/lm³</u>	plus 60	.25	6.211	37.01	37.68
TOTAL GRAMS OF SnO ₂ <u>16.78</u>	plus 120	.125	9.42	56.14	93.82
	minus 120		1.034	6.16	99.98
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO ₂ _____	plus 120	.125			
	minus 120				

604221

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE. 5452800 mN DRILLING METHOD Reverse HOLE No. K215..RC
 SURFACE R.L. 93.2 m BASEMENT R.L. 46.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 6/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	1	94.4	0.02	0.03	27.0	27.0	0-1 Yellow-brown silty grits and sand.
3	5	7	92.0	0.03	0.04	5.6	3.1	1-4 Dark grey silty grits and sand.
5	7	8	140.0	0.04	0.08	10.0	6.1	4-5 Yellow-brown silty drift and sand.
7	9	12	85.2	0.03	0.04	3.0	2.9	5-8.5 Drift, yellow silt.
9	11	11	106.0	0.01	-	-	-	8.5-8.7 Drift, yellow-brown silt.
11	13	10	90.0	0.15	0.19	19.3	15.1	8.7-8.9 Grey clay.
13	15	14	95.8	0.01	-	-	-	8.9-10.2 Light grey-brown silty clay.
15	17	16	86.8	1.29	1.60	100.0	100.0	10.2-13.4 Light brown very coarse sand.
17	19	13.5	92.0	0.20	0.26	19.5	20.6	13.4-19 Small wash, coarse drift, yellow brown silt.
19	21	12.5	93.0	0.25	0.33	26.6	26.1	
21	23	15.5	93.1	0.09	0.12	7.7	9.4	19-20.8 Dark yellow-brown fine drifts and coarse sand.
23	25	15	119.6	0.25	0.43	28.5	33.5	
25	27	10	91.3	0.25	0.35	34.7	27.3	20.8-21.1 Dark yellow-brown fine drifts and coarse sand, small wash.
27	29	8	101.1	0.14	0.20	25.3	15.9	
29	31	22	190.0	0.15	0.21	9.7	9.7	21.1-22 As for before no wash.
31	33	12	115.0	0.35	0.58	47.9	45.1	22-24 Yellow-brown silts, larger broken wash ("rawish"), minor drift and sand.
33	35	13	171.6	0.10	0.25	18.9	19.2	
35	37	11	83.3	0.12	0.14	13.0	11.2	24-31 Grey silts, larger broken wash ("rawish"), minor drift and sand.
37	39	8	88.9	0.08	0.10	12.7	8.0	
39	41	10	110.0	0.08	0.13	12.6	9.9	25.2-soft grey clay layers.
41	43	9.5	92.5	0.04	0.05	5.6	4.2	31-44 Grey silts, small to large "raw" broken wash, grey clay, minor drift and sand.
43	45	6	103.6	0.17	0.25	41.9	19.8	
45	47	12	80.0	1.92	2.19	182.9	172.2	Thicker clay bands from 36.2 becoming very frequent ie; 20-40% of sample from
47	49	11	116.1	0.11	0.18	16.6	14.3	
49	50	5	86.2	0.17	0.21	41.9	32.9	39 m. Clays becoming greenish from 39 m.
								44-46.6 Grey silts, smaller rounded wash, (more often quartz), drift.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 46.6 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at m g SnO2/m³

Total recovered tin..... 7.96 g SnO2

Grade 2 at 46.6 m 25.4 g SnO2/m³

604222

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES...576.100...mE...5452800...mN DRILLING METHOD...Reverse... HOLE No...K215 RC...
 SURFACE R.L...93.2...m BASEMENT R.L...46.6...m CUTTING SHOE/ BIT DIAMETER...100 mm... THEORETICAL VOLUME...15.92...litres PAGE...2...of...2...
 DRILLER R. Miller SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF... GEOLOGIST...R. Munro... DATE...6/12/82...

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
								46.6-50 Granite, white clayey decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-13 Ilmenite, monazite.
								13-15 Fine trace tin, ilmenite, monazite.
								15-17 Small amount tin, ilmenite, monazite.
								17-19 Trace tin, ilmenite, monazite.
								19-21 Ilmenite, monazite.
								21-23 Fine trace tin, ilmenite, monazite.
								23-25 Pyrite.
								25-33 Fine trace tin, pyrite.
								33-37 Ilmenite, pyrite.
								37-39 Fine trace tin, pyrite.
								39-45 Pyrite.
								45-47 Small amount tin, pyrite.
								47-50 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...46.6...m

Grade from surface to inferred basement

Total recovered volume, surface to basement...15.92...litres

Grade 1 atm g SnO2/m³

Total recovered tin...7.96...g SnO2

Grade 2 at...46.6...m...25.4...g SnO2/m³

604223

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576006 mE 5452800 mN DRILLING METHOD Reverse HOLE No. K216 RC
 SURFACE R.L. 93.2 m BASEMENT R.L. 48.7 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 6/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	3.5	89.5	0.01	-	-	-	0-0.5 Black peat.
3	5	7	124.2	0.01	0.12	17.7	9.8	0.5-3 Light grey clays, grit, sand, brown silt.
5	7	3.5	82.8	0.03	0.04	10.1	2.8	3-4 Coarse drift, yellow-orange-grey clays, some what silty at times.
7	9	11.5	90.9	0.08	0.10	9.0	8.2	4-5 Layers of sand, drift, coarse, drift, minor small wash, yellow-orange silt.
9	11	10	106.9	0.02	0.03	3.1	2.4	5-7 Coarse sand, light brown-grey silt, gritty soft clays.
11	13	7	99.9	B.L.D.	-	-	-	7-8 Bright yellow sandy silts, small drift.
13	15	16	119.9	0.14	0.24	15.0	15.0	8-8.6 Grey sandy silts, small drift.
15	17	13	90.5	0.85	1.10	84.5	86.3	8.6-9.8 Bright yellow sandy silts, small drift.
17	19	13	83.6	0.08	0.10	7.4	7.5	9.8-14.5 Grey very silty coarse sand and small drift.
19	21	13.5	103.2	1.09	1.47	109.2	115.7	14.5-15 Light brown silty coarse sand and small drift.
21	23	18	93.4	1.04	1.4	77.1	77.1	15-16.5 Grey silty sands and drift.
23	25	13	91.0	0.31	0.40	31.0	31.6	16.5-18 Brown silty sands and drift.
25	27	16	87.7	0.69	0.86	54.0	54.0	18-20.5 Brown silty sands and drift, small wash.
27	29	13	83.2	0.07	0.08	6.4	6.5	20.5-21.5 Light grey silty clays sub-rounded.
29	31	15	101.4	0.12	0.17	11.6	13.6	21.5-29 Very silty drift and small wash, yellow in colour, horizons of yellow and grey soft clays.
31	33	17	113.3	0.11	0.18	10.5	10.5	29-34.5 Very silty yellow drift and sand, small wash.
33	35	12	90.3	0.31	0.40	33.3	31.4	34.5-35 bright yellow drift and sand, small wash.
35	37	8	96.5	0.11	0.15	19.0	11.9	35-36.7 Light brown silts, coarse sand minor drift and wash from 36 m.
37	39	14	114.2	0.07	0.17	12.9	13.7	36.7-36.9 Brown tenaceous clays and organic fragments
39	41	11	99.9	0.05	0.07	6.5	5.6	
41	43	11	124.5	0.02	0.04	3.2	2.8	
43	45	10	122.4	0.01	-	-	-	
45	47	12.5	103.6	0.03	0.04	3.6	3.5	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 44.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 117 litres

Grade 1 at 44.5 m 2.2 g SnO2/m³

Total recovered tin 7.17 g SnO2

Grade 2 at 44.5 m 2.2 g SnO2/m³

604224

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA..Pioneer..... COLLAR CO-ORDINATES.....576006.....mE.....5452800.....mN DRILLING METHOD.....Reverse..... HOLE No....K246..RC...
 SURFACE R.L. 93.2.....m BASEMENT R.L. 48.7.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE...2...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST R. Munro..... DATE...6/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								36.9-43.8 Grey silt, clays green-light grey- dark grey, impure, small to large wash, often dark broken quartzite, minor sand, drift.
								43.8-47 Decomposed micaceous granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-7 Ilmenite, monazite.
								7-9 Trace tin, ilmenite, monazite.
								9-11 Fine trace tin, ilmenite, monazite.
								11-13 Ilmenite, monazite.
								13-17 Trace tin, ilmenite, monazite.
								17-21 Fine trace tin, ilmenite, pyrite.
								21-23 Small amount tin, ilmenite.
								23-25 Fine trace tin, ilmenite, monazite.
								25-27 Trace tin, ilmenite, monazite.
								27-33 Ilmenite, pyrite.
								33-39 Fine trace tin, pyrite.
								39-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....44.5.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....7.17.....g SnO2

Grade 2 at44.5.....m22.9.....g SnO2/m³

604225

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 75900 mE... 5452800 mN DRILLING METHOD... Reverse HOLE No... KRC...217.
 SURFACE R.L. 95.0 m BASEMENT R.L. 45.4 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER... 100 mm VOLUME... 15.92 litres PAGE... 1 of... 1
 DRILLER... R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 6/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	1	83.2	0.01	-	-	-	Tape of drill hole sample descriptions lost.
3	5	9	146.5	0.04	0.10	9.3	6.6	Simplified drill log is as follows.
5	7	9	95.3	0.12	0.15	16.1	12.0	0-10.0 Layers of sand and drift alternating with thinner horizons of silty clay.
7	9	10.5	89.1	0.03	0.16	18.2	12.8	
9	11	18	108.5	0.06	0.09	5.2	5.2	10.0-35.0 Silty sands and drifts, silts and occasional clay layers and small wash.
11	13	8	85.3	0.10	0.12	15.2	9.6	
13	15	18	80.3	0.67	0.77	42.7	42.7	35.0-47.0 Very silty (grey to green) sands, drift and sub-angular wash. Green to grey clays.
15	17	20	81.6	1.17	1.36	68.2	68.2	
17	19	20	104.6	0.27	0.40	20.2	20.2	
19	21	19	89.5	0.72	0.92	48.5	48.5	47.0-49.6 Drift, sand, small wash. Abundant ilmenite, zircons and sapphires.
21	23	23	111.4	1.18	1.88	81.6	81.6	
23	25	12.5	97.3	0.90	1.25	100.1	98.2	
25	27	11	80.8	0.77	0.89	80.8	69.7	Sample Washer's Heavy Mineral Descriptions:
27	29	11	80.3	0.66	0.76	68.8	59.4	
29	31	8	122.1	0.10	0.17	21.8	13.7	0-7 Fine trace tin, ilmenite, monazite.
31	33	13	81.1	0.19	0.22	16.9	17.3	7-9 Ilmenite, monazite.
33	35	15	81.5	0.73	0.85	56.6	66.7	9-11 Fine trace tin, ilmenite, monazite.
35	37	14	94.3	0.18	0.24	17.3	19.0	11-13 Tracetin, ilmenite, monazite.
37	39	15.5	92.2	0.12	0.16	10.2	12.4	13-17 Small amount tin, ilmenite, monazite.
39	41	10	91.1	0.03	0.04	3.9	3.1	17-19 Trace tin, ilmenite, monazite.
41	43	10	85.5	0.12	0.15	14.7	11.5	19-23 Small amount tin, ilmenite, monazite.
43	45	9.5	89.0	0.12	0.15	16.1	12.0	23-31 Trace tin, ilmenite, monazite.
45	47	9.5	105.3	0.65	0.98	102.9	76.7	31-37 Fine trace tin, ilmenite, monazite.
47	49	15	see sizing results		9.58	638.7	752.2	37-45 Pyrite.
49	51	9	" "	" "	3.61	401.1	283.4	45-47 Small amount tin, ilmenite, pyrite.
51	53	6	" "	" "	5.05	842.3	396.9	47-53 Tin, ilmenite, pyrite.
53	55	6	84.0	0.02	0.02	4.0	1.9	53-55 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at... 49.6 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... litres

Grade 1 at m g SnO2/m³

Total recovered tin... 29.9 g SnO2

Grade 2 at... 49.6 m 88.3 g SnO2/m³

604226

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole K217 RC.

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ FRACTION	CUMM. PERCENT-AGE SnO ₂
Sample Interval <u>47 - 49</u>					
	plus 22	.71	0.05	0.5	0.5
SAMPLE VOLUME <u>15.0 l</u>	plus 30	.5	0.13	1.4	1.9
GRADE <u>752.2 glm³</u>	plus 60	.25	3.56	37.2	39.0
TOTAL GRAMS OF SnO₂ <u>9.58</u>	plus 120	.125	4.86	50.7	89.8
	minus 120		0.98	10.2	100.0
Sample Interval <u>49 - 51</u>					
	plus 22	.71	0.23	6.4	6.4
SAMPLE VOLUME <u>9.0 l</u>	plus 30	.5	1.05	29.1	35.5
GRADE <u>283.4 glm³</u>	plus 60	.25	1.37	37.9	73.4
TOTAL GRAMS OF SnO₂ <u>3.61</u>	plus 120	.125	0.78	21.6	95.0
	minus 120		0.18	5.0	100.0
Sample Interval <u>51 - 53</u>					
	plus 22	.71	0.20	3.9	3.9
SAMPLE VOLUME <u>6.0 l</u>	plus 30	.5	0.39	7.7	11.7
GRADE <u>396.8 glm³</u>	plus 60	.25	3.01	59.6	71.3
TOTAL GRAMS OF SnO₂ <u>5.05</u>	plus 120	.125	1.26	24.9	96.2
	minus 120		0.19	3.8	100.0

127500

'AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K218 RC.
 SURFACE R.L. 93.8 m BASEMENT R.L. 46.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 5.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 7/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	89.0	0.03	0.04	3.8	2.0	0-1.5 Medium-coarse sands and brown silts; silty clay.
3	5	8	83.1	0.11	0.13	16.3	10.3	
5	7	6	129.9	0.04	0.07	12.4	5.8	1.5-4.5 Stiff white clays, and silty clays.
7	9	9	89.9	0.08	0.10	11.4	8.1	4.5-5.0 Fine-medium sands; minor coarse sands.
9	11	18.5	89.0	0.04	0.05	2.8	2.8	5.0-8.5 Medium-coarse sands; minor fine sands and silt.
11	13	11	123.9	0.05	0.09	8.1	7.0	
13	15	23.5	88.4	0.12	0.15	6.5	6.5	8.5-9.5 Brown silty clays and silts.
15	17	17	85.6	0.26	0.32	18.7	18.7	9.5-11.0 Medium-coarse sands and dark brown silts.
17	19	13	113.0	0.04	0.06	5.0	5.1	11.0-15.0 Fine-medium sands; minor coarse sands and silts.
19	21	12	148.0	0.04	0.08	7.1	6.6	
21	23	17	104.3	0.21	0.31	18.4	18.4	15.0-17.0 Medium-coarse sands and wash; minor silts.
23	25	12	80.0	2.73	3.12	260.0	244.9	17.0-18.5 Fine sands.
25	27	13	137.9	0.92	1.81	139.4	142.3	18.5-23.0 Coarse sands and wash; minor silts.
27	29	13	92.9	0.21	0.28	21.4	21.9	23.0-24.0 Stiff grey and grey-brown clays.
29	31	9	81.3	0.16	0.19	20.7	14.6	24.0-30.0 Fine-medium sands and wash; some birdseye.
31	33	16	87.6	0.85	1.06	66.5	66.5	30.0-40.0 Medium-coarse sands and wash; some birdseye; minor clays.
33	35	10	124.0	0.22	0.39	39.0	30.6	
35	37	9.5	110.6	0.16	0.23	24.2	18.1	40.0-41.0 Fine-medium sands; minor clays.
37	39	7	81.2	0.20	0.23	33.2	18.2	41.0-45.0 Medium-coarse sands and grey silty clays; minor wash; smokey quartz.
39	41	13.5	116.7	0.17	0.28	21.0	22.3	
41	43	13	140.7	0.18	0.36	27.8	28.4	45.0-47.0 Sandstone chips and quartz wash; grey sandy clays.
43	45	9.5	95.3	0.09	0.12	12.9	9.6	
45	47	8	106.3	0.10	0.15	19.0	11.9	47.0-51.0 Granite.
47	49	12	206.0	0.05	0.15	12.3	11.6	
49	51	8	114.0	0.06	0.10	12.2	7.7	
Sample Washer's Heavy Mineral Descriptions:								
0-13 Ilmenite, monazite.								
13-17 Fine trace tin, ilmenite.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 47.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 9.89 litres

Grade 1 at 47.0 m 21.5 g SnO2/m³

Total recovered tin 9.89 g SnO2

Grade 2 at 47.0 m 7.7 g SnO2/m³

604228

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE. 5452700 mN DRILLING METHOD Reverse HOLE No. K218 WC
 SURFACE R.L. 93.8 m BASEMENT R.L. 46.8 m CUTTING SHOE/
 BIT DIAMETER 100 mm THEORETICAL Circulation
 VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 7/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								17-19 Ilmenite, monazite.
								19-23 Ilmenite, pyrite.
								23-27 Trace tin, pyrite.
								27-31 Fine trace tin, pyrite.
								31-35 Trace tin, pyrite.
								35-49 Pyrite.
								49-51 Fine trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 47.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 1 litres Grade 1 at m g SnO2/m³
 Total recovered tin 9.89 g SnO2 Grade 2 at 47.0 m 31.5 g SnO2/m³

604229

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K219 RC.
 SURFACE R.L. 98.4 m BASEMENT R.L. 49.4 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 1
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 7/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	115.9	0.06	0.10	9.9	5.2	0-7.0 Medium-coarse sands and brown silts.
3	5	9	99.5	0.06	0.09	9.5	6.7	7.0-8.5 Fine sands and clayey silts.
5	7	1	95.1	0.02	0.03	27.2	2.1	8.5-12.0 Medium sands; minor coarse sands.
7	9	9	86.6	0.10	0.12	13.8	9.7	12.0-14.0 Medium-coarse sands; silts and minor
9	11	8	161.4	0.02	0.05	5.8	3.6	14.0-19.0 Fine sands and silts; minor coarse sands.
11	13	6	105.6	0.01	-	-	-	19.0-25.0 Medium-coarse sands and wash; some birds
13	15	10.5	93.8	0.03	0.04	3.8	3.2	eye; minor fine sands.
15	17	14	84.6	0.11	0.13	9.5	10.4	25.0-31.0 Fine-medium sands; wash; minor coarse
17	19	11	139.3	0.16	0.32	29.0	25.0	sands.
19	21	15.5	116.3	0.10	0.17	10.7	13.0	31.0-49.0 Medium-coarse sands and fine-medium
21	23	17	110.7	0.96	1.52	89.3	89.3	sands; wash and minor clays.
23	25	20	170.2	0.26	0.63	31.6	31.6	49.0-53 Granite.
25	27	17	84.0	1.23	1.48	86.8	86.8	Sample Washers Heavy Mineral Descriptions;
27	29	13	98.7	0.21	0.30	22.8	23.2	
29	31	11.5	119.0	0.81	1.30	119.7	108.1	0-17 Ilmenite, monazite.
31	33	10	110.7	0.23	0.36	36.4	28.6	17-19 Fine trace tin, ilmenite.
33	35	8.5	99.1	0.96	1.36	159.9	106.7	19-27 Trace tin, ilmenite, monazite.
35	37	18	80.6	0.31	0.36	19.8	19.8	27-33 Ilmenite, monazite.
37	39	14	137.8	0.19	0.37	26.7	29.4	33-43 Pyrite, ilmenite.
39	41	17	99.0	0.06	0.08	5.0	5.0	43-53 Pyrite.
41	43	22	89.3	0.33	0.42	19.1	19.1	
43	45	16	130.1	0.09	0.17	10.5	10.5	
45	47	20	113.0	0.02	0.03	1.6	1.6	
47	49	21	183.3	B.L.D.	-	-	-	
49	51	5	93.4	0.05	0.07	13.3	5.2	
51	53	7	135.8	0.04	0.08	11.1	6.1	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 49 m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 at m g SnO2/m³

Total recovered tin 9.64 g SnO2

Grade 2 at 49.0 m 26.64 g SnO2/m³

604230

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576000.....mE.....5452700.....mN DRILLING METHOD...Reverse..... HOLE No...K220..RC...
 SURFACE R.L.....95.1.....m BASEMENT R.L.....50.6.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm..... THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE...1...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...7/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	7	83.5	0.02	0.02	3.4	1.3	0-3.0 Medium-coarse sand and light brown silts.
3	5	11	80.5	0.04	0.05	4.2	3.6	3.0-7.5 Fine sand and brown clays; minor medium-coarse sand.
5	7	12	150.0	0.08	0.17	14.3	13.5	7.5-8.0 Stiff white clays.
7	9	19	122.1	0.20	0.35	18.4	18.4	8.0-8.5 Fine sands.
9	11	21	133.0	0.05	0.10	4.5	4.5	8.5-11.0 Coarse sands; minor stiff ochre clays.
11	13	14	109.2	0.14	0.22	15.6	17.1	silts.
13	15	18	83.5	0.86	1.03	57.0	57.0	11.0-14.0 Fine-medium sands; minor coarse sand; some wash.
15	17	17	90.4	0.35	0.45	26.6	26.6	14.0-15.0 Coarse sand and wash; minor silts.
17	19	19	81.5	0.35	0.41	21.5	21.5	15.0-17.0 Fine sands; minor small wash.
19	21	17	129.6	0.13	0.24	14.2	14.2	17.0-21.0 Coarse sands and wash; some birdseye; minor fine sands and clays.
21	23	15	89.7	0.23	0.29	19.7	23.1	21.0-25.0 Wash with minor clays and coarse sands; some birdseye.
23	25	13	87.6	0.20	0.25	19.3	19.7	25.0-26.5 Coarse sands; silts and minor clays.
25	27	13	99.1	0.23	0.33	25.1	25.6	26.5-29.0 Coarse sands and small wash.
27	29	9	96.3	0.16	0.22	24.5	27.3	29.0-37.0 Medium-coarse sands and small wash; some birdseye.
29	31	12	98.2	0.08	0.11	9.4	8.8	37.0-40.0 Fine-medium sands; some small wash.
31	33	9	136.0	0.13	0.25	28.1	19.8	40.0-41.0 Fine sand and small wash; grey clays.
33	35	16	83.4	0.11	0.13	8.2	8.2	41.0-43.0 Coarse sand and grey clays; minor fine sand.
35	37	13	107.2	0.12	0.18	14.2	14.4	43.0-49.0 Granite - fine grained.
37	39	18	114.9	0.18	0.3	16.4	16.4	
39	41	10.5	105.9	0.69	1.04	99.4	81.9	
41	43	12	149.0	0.17	0.36	30.2	28.4	
43	45	8	109.6	0.05	0.08	9.8	6.1	
45	47	8	112.1	0.05	0.08	10.0	6.3	
47	49	6	84.1	0.03	0.04	6.0	2.8	
								Sample Washer's Heavy Mineral Descriptions:
								0-7 Ilmenite, monazite.
								7-9 Very fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F=80%

Drillers reported basement at...44.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....6.70.....g SnO2

Grade 2 at44.5.....m20.5.....g SnO2/m³

604231

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K220.RC.
 SURFACE R.L. 95.1 m BASEMENT R.L. 50.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 7/12/82.

Section From m To m		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								9-11 Ilmenite, monazite.
								11-21 Trace tin, ilmenite, monazite.
								21-29 Ilmenite, monazite, pyrite.
								29-31 Ilmenite, monazite.
								31-33 Fine trace tin, ilmenite, monazite.
								33-35 Pyrite, ilmenite, monazite.
								35-37 Pyrite.
								37-39 Pyrite, monazite.
								39-45 Pyrite.
								47-49 Pyrite, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 44.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement _____ litres Grade 1 at _____ m _____ g SnO2/m³
 Total recovered tin 6.70 g SnO2 Grade 2 at 44.5 m 29.5 g SnO2/m³

604232

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575900 mE. 5452600 mN DRILLING METHOD Reverse HOLE No. K221.RG.
 SURFACE R.L. 104.4 m BASEMENT R.L. 60.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas PAGE 1 of 2
 DATE 7/12/82.

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	6	81.0	0.08	0.09	15.4	4.9	0-2.0 Coarse sands and brown silts.
3	5	4.5	97.4	0.03	0.04	9.3	3.3	2.0-6.0 Ochre silts and coarse sands; minor clays.
5	7	11	88.7	0.11	0.14	12.7	10.9	6.0-6.8 Medium-coarse sands and dark brown silts.
7	9	15	82.1	0.05	0.06	3.9	4.6	6.8-7.8 Stiff white clays.
9	11	16	94.4	0.06	0.08	5.1	5.1	7.8-8.5 Fine-medium sands and white clayey silts.
11	13	9.5	94.5	0.02	0.03	2.8	2.1	8.5-11.0 Oily dark brown silts and medium-coarse sands.
13	15	11	131.9	0.06	0.11	10.3	8.9	11.0-13.0 Stiff brown clays and light grey clays.
15	17	18	80.9	0.12	0.14	7.7	7.7	13.0-15.0 Medium sands with bands of fine and minor coarse sands.
17	19	11.5	118.6	0.03	0.05	4.4	4.0	15.0-16.0 Fine sands and silty clays.
19	21	8	88.9	0.05	0.06	7.9	5.0	16.0-19.0 Medium-coarse sands; minor fine sands; minor clays.
21	23	15.5	103.0	0.28	0.41	26.6	32.3	19.0-23.0 Fine sands; minor coarse sands and silts.
23	25	13	83.6	0.15	0.18	13.8	14.1	23.0-25.0 Clean fine sand and fine-medium sands.
25	27	13	90.9	0.10	0.13	10.0	10.2	25.0-38.0 Medium-coarse sands and small wash; some birdseye; minor clays.
27	29	18	82.9	0.28	0.33	18.4	18.4	38.0-41.0 Fine-medium sands; small wash; some birdseye.
29	31	21.5	98.9	0.73	1.03	48.0	48.0	41.0-43.0 Medium-coarse sands and small wash; minor fine sands and stiff grey clays.
31	33	12.5	87.5	0.68	0.85	68.0	66.7	43.0-44.0 Stiff grey clays and coarse drift.
33	35	9.5	92.3	0.14	0.18	19.4	14.5	44.0-47.0 Granite.
35	37	8	82.2	0.26	0.31	38.2	24.0	
37	39	14	92.7	0.05	0.07	4.7	5.2	
39	41	14.5	114.1	0.10	0.16	11.2	12.8	
41	43	6.5	90.2	0.06	0.08	11.9	6.1	
43	45	13	91.7	0.08	0.10	8.1	8.2	
45	47	9	91.8	0.03	0.04	4.4	3.1	
								<u>Sample washer's Heavy Mineral Descriptions:</u>
								0-3 Fine trace tin, ilmenite, monazite.
								3-21 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 44.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g SnO2/m³

Total recovered tin 4.7 g SnO2

Grade 2 at 44.0 m 14.7 g SnO2/m³

604233

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575900 mE 5452600 mN DRILLING METHOD Reverse HOLE No. K221 RC.
 SURFACE R.L. 104.4 m BASEMENT R.L. 60.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 7/12/82.

Section From To m m		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
								21-23 Trace tin, ilmenite, monazite.
								23-25 Ilmenite, monazite.
								25-29 Fine trace tin, ilmenite, monazite.
								29-33 Trace tin, ilmenite, monazite.
								33-39 Fine trace tin, ilmenite, monazite.
								39-41 Pyrite, ilmenite,
								41-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 44.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 7 litres Grade 1 atm g SnO₂/m³
 Total recovered tin 4.7 g SnO₂ Grade 2 at 44.0 m 14.7 g SnO₂/m³

604234

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576.100.....mE.....5452500.....mN DRILLING METHOD...Reverse..... HOLE No...K222.RC...
 SURFACE R.L.....99.9.....m BASEMENT R.L.....43.9.....m CUTTING SHOE/
 BIT DIAMETER.....100 mm THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE...1.....of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...9/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	10.5	90.8	0.12	0.16	14.8	8.2	0-2.8 Coarse sand and dark brown silts; minor white silts.
3	5	8	112.9	0.16	0.26	32.3	20.3	
5	7	12	122.7	0.05	0.09	7.3	6.9	2.8-3.0 Clays.
7	9	19	83.1	0.09	0.11	5.6	5.6	3.0-4.8 Fine-medium sands and brown silts.
9	11	20	87.9	0.04	0.05	2.5	2.5	4.8-6.0 Stiff brown and white clays.
11	13	15.5	142.3	0.03	0.06	3.9	4.8	6.0-7.5 Fine sands.
13	15	13.5	86.1	0.02	0.02	1.8	1.9	7.5-12.0 Medium-coarse sands.
15	17	16	81.6	0.05	0.06	3.6	3.6	12.0-12.8 Medium-coarse sands; minor wash.
17	19	15	81.3	0.03	0.03	2.3	2.1	12.8-14.0 Brown clays.
19	21	17	97.3	0.02	0.03	1.6	1.6	14.0-16.5 Fine sands and black silts; wood fragments; minor stiff brown clays.
21	23	12	105.7	0.01	-	-	-	
23	25	16	127.5	0.10	0.18	11.4	11.4	16.5-22.5 Stiff brown clays; minor silts and wood fragments.
25	27	18	82.3	0.99	1.16	64.7	64.7	
27	29	19	163.3	0.03	0.07	3.7	3.7	22.5-29.0 Fine-medium sands; minor coarse sands and wash; some wood fragments.
29	31	20.5	122.8	0.19	0.33	16.3	16.3	
31	33	26	136.3	0.79	1.54	59.2	59.2	29.0-32.0 Medium sands; minor coarse sands.
33	35	23	80.4	0.25	0.29	12.5	12.5	32.0-37.0 Medium sands and small wash; some birds-eye; minor brown clays.
35	37	15.5	238.7	0.07	0.24	15.4	18.7	
37	39	12	118.6	0.07	0.12	9.9	9.3	37.0-41.0 Fine-medium sands and small wash; some birdseye and minor clays.
39	41	20	89.5	0.08	0.10	5.1	5.1	
41	43	25	92.8	0.08	0.11	4.2	4.2	41.0-43.0 Sandstone chips; fine sand and small wash; minor clays.
43	45	12	80.6	0.13	0.15	12.5	11.8	
45	47	17.5	80.0	0.19	0.22	12.4	12.4	43.0-46.8 Silts and grey clays; fine sands; minor wash.
47	49	7	114.7	0.07	0.11	16.4	9.0	
49	51	13	82.2	0.03	0.04	2.7	2.8	46.8-47.2 Stiff brown clays and sandy clays.
51	53	15.5	113.8	0.10	0.16	10.5	12.8	47.2-50.0 Fine-medium sands; minor coarse sands and wash; white sandy clays.
53	55	19.5	86.7	0.15	0.19	9.5	9.5	
55	57	11	83.3	1.13	1.34	122.3	105.6	50.0-50.5 Stiff grey clays.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....56.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....7.3.....g SnO2

Grade 2 at56.0.....m15.6.....g SnO2/m³

604235

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576100 mE 5452500 mN DRILLING METHOD Reverse HOLE No. K222 RC
 SURFACE R.L. 99.9 m BASEMENT R.L. 43.9 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 45.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	11	190.5	0.04	0.06	5.2	4.5	50.5-53.5 Medium-coarse sands; stiff white clays, white clayey silts and fine sands.
								53.5-56.0 Coarse sands and small wash; minor fine sands.
								56.0-59.0 Granite.
								Sample Washer's Heavy Mineral Descriptions:
								0-11 Ilmenite, monazite.
								11-13 Pyrite, monazite.
								13-15 Pyrite.
								15-23 Pyrite, monazite.
								23-25 Pyrite.
								25-27 Pyrite, monazite.
								27-33 Pyrite.
								33-35 Fine trace tin, pyrite.
								35-45 Pyrite.
								45-47 Pyrite, monazite.
								47-49 Fine trace tin, pyrite.
								49-51 Pyrite, monazite.
								51-55 Pyrite.
								55-59 Fine trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 56.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g SnO2/m³

Total recovered tin 7.3 g SnO2

Grade 2 at 56.0 m 15.6 g SnO2/m³

604230

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE 5452500 mN DRILLING METHOD Reverse HOLE No. K223.RC.
 SURFACE R.L. 98.0 m BASEMENT R.L. 48.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 12.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
0	3	3.5	80.8	0.04	0.05	13.2	2.4	0-3.0 Coarse sands and brown silts.
3	5	13	82.5	0.03	0.04	2.7	2.8	3.0-6.0 Stiff brown and white clays; fine sands and silts.
5	7	13.5	121.1	0.08	0.14	10.3	10.9	6.0-9.0 Fine-medium sands; minor coarse sands.
7	9	15.5	110.0	0.03	0.05	3.0	3.7	9.0-13.5 Stiff sandy clays; minor fine-medium sands.
9	11	15	91.6	0.02	0.03	1.7	2.1	13.5-15.5 Fine-medium sands and brown silts; minor clays.
11	13	17	81.0	0.02	0.02	1.4	1.4	15.5-16.7 Medium-coarse sands; minor wash.
13	15	12	168.3	0.02	0.05	4.0	3.8	16.7-24.8 Stiff grey-brown clays; bands of fine sands and wood fragments.
15	17	15	121.3	0.01	-	-	-	24.8-26.0 Fine sands and grey-brown clayey silts.
17	19	14	85.2	0.01	-	-	-	26.0-26.9 Medium-coarse sands and wash.
19	21	14	87.9	0.02	0.03	1.8	2.0	26.9-28.5 Stiff brown clays.
21	23	10	87.7	0.03	0.04	3.8	3.0	28.5-31.0 Medium-coarse sands; some wash; minor clays and fine sands.
23	25	8	94.8	0.10	0.14	16.9	10.6	31.0-37.0 Bands of fine and coarse sands, and wash.
25	27	14.5	631.4	0.02	0.18	12.4	14.2	37.0-40.5 Medium-coarse sands and wash; some sandstone chips.
27	29	9	175.5	0.01	-	-	-	40.5-44.5 Fine-medium sands, wash; some birdseye; minor grey clays.
29	31	15	122.1	0.18	0.31	20.9	24.6	44.5-48.0 Stiff brown clays and wood fragments.
31	33	17	151.5	0.10	0.22	12.7	12.7	48.0-50.0 Medium-coarse sands and small wash; some birdseye; minor clays.
33	35	18	97.6	0.12	0.17	9.3	9.3	50.0-53.0 Weathered granite.
35	37	10	116.8	0.06	0.10	10.0	7.9	
37	39	5	96.6	0.03	0.04	8.3	3.3	
39	41	27	103.5	0.01	-	-	-	
41	43	32	83.0	0.03	0.04	1.1	1.1	
43	45	16	117.3	0.20	0.34	21.0	21.0	
45	47	16	82.7	0.05	0.06	3.7	3.7	
47	49	14	87.6	0.02	0.03	1.8	2.0	
49	51	15.5	100.0	0.08	0.11	7.4	9.0	
51	53	15	161.2	0.04	0.09	6.1	7.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 50.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m — g Sn02/m³

Total recovered tin 2.2 g Sn02

Grade 2 at 50.0 m 5.14 g Sn02/m³

604237

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 576200 mE. 5452500 mN DRILLING METHOD... Reverse HOLE No... K223.80
 SURFACE R.L. 98.0 m BASEMENT R.L. 48.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/12/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								Sample Washer's Heavy Mineral Descriptions:
								0-11 Ilmenite, monazite.
								11-15 Ilmenite, pyrite.
								15-17 Pyrite.
								17-19 Pyrite, ilmenite.
								19-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 50.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 2.2 g SnO2 Grade 2 at 50.0 m 6.4 g SnO2/m³

604233S

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...576300.....mE.....5452500.....mN DRILLING METHOD...Reverse..... HOLE No...K224 RC.
 SURFACE R.L....96.8.....m BASEMENT R.L....49.8.....m CUTTING SHOE/ THEORETICAL CIRCULATION
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE....4....of....2.....
 DRILLER R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST S. Douglas..... DATE...9/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10.5	120.3	0.09	0.15	14.7	8.1	0-0.5 Medium-coarse sands and black silts.
3	5	12	94.4	0.04	0.05	4.5	4.2	0.5-1.5 Stiff brown and grey clays.
5	7	16	97.1	0.04	0.06	3.5	3.5	1.5-2.9 Medium-coarse sands.
7	9	15.5	99.8	0.03	0.04	2.8	3.4	2.9-6.0 White clayey silts and fine sands; silty clays.
9	11	12.5	86.4	0.02	0.02	2.0	1.9	6.0-7.5 Medium-coarse sands.
11	13	17	124.8	0.03	0.05	3.2	3.2	7.5-10.5 Stiff white-light grey clays.
13	15	16	80.5	0.04	0.05	2.9	2.9	10.5-12.0 Dark brown silts and fine sands; wood fragments; minor clays.
15	17	16	83.8	0.06	0.07	4.5	4.5	12.0-22.0 Fine-medium sands with bands of stiff brown clays; minor coarse sands.
17	19	11	111.6	0.10	0.16	14.5	12.5	22.0-24.8 Fine-medium sands and wash; some birds-eye; minor coarse sand.
19	21	10.5	84.6	0.18	0.22	20.7	17.1	24.8-26.5 Stiff brown clays and grey silty clays.
21	23	11.5	87.4	0.08	0.10	8.7	7.8	26.5-29.0 Medium-coarse sands and wash; some birds-eye; minor fine sands.
23	25	19.5	80.5	1.25	1.44	73.7	73.7	29.0-30.5 Fine sands; some small wash.
25	27	11	91.6	0.10	0.13	11.9	10.3	30.5-35.0 Medium sands and wash; minor clays; some birdseye.
27	29	23	350.8	0.01	0.05	2.2	2.2	35.0-39.0 Coarse sands and wash some birdseye; minor fine sands.
29	31	22	196.3	0.05	0.14	6.4	6.4	39.0-41.0 Stiff brown clays minor fine sand bands.
31	33	14	320.7	0.01	0.05	3.3	3.6	41.0-41.5 Stiff grey-blue clays and light brown clays.
33	35	13	88.9	0.07	0.09	6.8	7.0	41.5-45.0 Fine sands and wash; some medium-coarse sands.
35	37	15	310.7	B.L.D.	-	-	-	45.0-46.0 Coarse sands and wash; minor grey clays.
37	39	21	99.9	0.03	0.04	2.0	2.0	46.0-46.5 Grey clays with medium-coarse sands;
39	41	14	116.2	0.13	0.22	15.4	16.9	
41	43	13	83.6	0.14	0.17	12.9	13.1	
43	45	23	83.2	0.05	0.06	2.6	2.6	
45	47	8.5	104.4	0.05	0.07	8.8	5.9	
47	49	9	254.5	0.02	0.07	8.1	5.7	
49	51	12	103.7	0.02	0.03	2.5	2.3	
51	53	6	143.6	0.06	0.12	20.5	9.7	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....47.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....3.7.....g SnO2

Grade 2 at47.0.....m18.0.....g SnO2/m³

604239

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576300 mE 5452500 mN DRILLING METHOD Reverse HOLE No. K224 RC.
 SURFACE R.L. 96.8 m BASEMENT R.L. 49.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/12/82. PAGE 2 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								minor wash.
								46.5-51.0 Weathered granite.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-3 Ilmenite, monazite.
								3-5 Pyrite.
								5-7 Ilmenite, monazite.
								7-9 Pyrite.
								9-11 Pyrite, monazite.
								11-15 Pyrite, ilmenite.
								15-17 Pyrite.
								17-23 Pyrite, ilmenite,
								23-25 Fine trace tin, pyrite, ilmenite.
								25-27 Pyrite, ilmenite,
								27-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 47.0 m

Total recovered volume, surface to basement 7 litres

Total recovered tin 3.7 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to Inferred basement

Grade 1 at 10.0 m 10.0 g SnO2/m³

Grade 2 at 47.0 m 10.0 g SnO2/m³

604240

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576000 mE 5452500 mN DRILLING METHOD Reverse HOLE No. K225.RG
 SURFACE R.L. 100.5 m BASEMENT R.L. 55.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 9/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	8.5	85.7	0.06	0.07	8.6	3.9	0-3.0 Coarse sand and brown silts.
3	5	11	86.4	0.06	0.07	6.7	5.8	3.0-3.5 Medium-coarse sands and minor clays.
5	7	6.5	102.1	0.03	0.04	6.7	3.4	3.5-4.0 Stiff clays.
7	9	8.5	100.1	0.01	-	-	-	4.0-9.0 Medium-coarse sands; minor fine sand.
9	11	17	106.4	0.03	0.05	2.7	2.7	9.0-11.0 Fine sands and clayey silts.
11	13	10	85.5	0.07	0.09	8.6	6.7	11.0-12.8 Stiff clays.
13	15	8	136.7	0.03	0.06	7.3	4.6	12.8-17.0 Brown silts and fine sands; minor coarse sands.
15	17	15	160.0	0.02	0.05	3.1	3.6	
17	19	14.5	87.2	0.02	0.02	1.7	2.0	17.0-21.0 Fine-medium sands; minor clays.
19	21	13	84.5	0.06	0.07	5.6	5.7	21.0-25.0 Fine-medium sands and small wash; minor coarse sands.
21	23	15	123.5	0.28	0.49	32.9	38.8	
23	25	13	95.1	0.80	1.09	83.6	85.3	25.0-30.0 Medium-coarse sands; some birdseye wash; minor clays.
25-	27	18	92.6	0.28	0.37	20.6	20.6	
27	29	17	116.3	0.08	0.13	7.8	7.8	30.0-38.5 Coarse sands and small wash, birdseye; with bands of fine sands.
29	31	18	80.7	0.28	0.32	17.9	25.3	
31	33	20	84.7	0.89	1.08	53.9	53.9	38.5-41.0 Stiff grey-brown clays with wood fragments.
33	35	8	97.7	0.08	0.11	14.0	8.8	
35	37	11	118.6	0.14	0.24	21.6	18.6	41.0-44.0 Grey silty clays and clayey silts.
37	39	9	96.5	0.03	0.04	4.6	3.3	44.0-45.0 Medium sands.
39	41	15	90.4	0.03	0.04	2.6	3.0	45.0-51.0 Weathered granite.
41	43	7	85.6	0.04	0.05	7.0	3.8	
43	45	10	89.7	0.11	0.14	14.1	11.1	<u>Sample Washer's Heavy Mineral Descriptions:</u>
45	47	17	135.3	0.03	0.06	3.4	3.4	0-9 Ilmenite, monazite.
47	49	9.5	94.2	0.02	0.03	2.8	2.1	9-11 Pyrite.
49	51	10	108.6	0.01	-	-	-	11-15 Pyrite, monazite.
								15-17 Ilmenite, pyrite.
								17-21 Ilmenite, monazite.
								21-25 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 45.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement - litres

Grade 1 at - m - g SnO2/m³

Total recovered tin 4.71 g SnO2

Grade 2 at 45.0 m 14.5 g SnO2/m³

604241

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Pioneer..... COLLAR CO-ORDINATES... 576000.....mE... 5452500.....mN DRILLING METHOD... Reverse..... HOLE No... K225..BC....
 SURFACE R.L... 100.5.....m BASEMENT R.L... 55.5.....m CUTTING SHOE/
 BIT DIAMETER... 100 mm..... THEORETICAL Circulation
 VOLUME... 15.92.....litres PAGE... 2...of.....2....
 DRILLER... R. Miller..... SAMPLE WASHER... S. Moore ASSAY METHOD... XRF..... GEOLOGIST... S. Douglas..... DATE... 9/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								25-27 Trace tin, ilmenite, monazite.
								27-29 Pyrite, ilmenite.
								29-31 Trace tin, ilmenite.
								31-33 Trace tin, ilmenite, pyrite.
								33-43 Pyrite.
								43-45 Trace tin, pyrite.
								45-47 Ilmenite, monazite.
								47-49 Pyrite.
								49-51 Pyrite, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at... 45.0.....m
 Total recovered volume, surface to basement..... litres
 Total recovered tin..... 4.71.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at ... 45.0.....m ... 14.5.....g SnO2/m³

604242

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 525900 mE. 5452700 mN DRILLING METHOD Reverse HOLE No. K226.RC.
 SURFACE R.L. 95.7 m BASEMENT R.L. 47.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 10/12/82 PAGE 1 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	9.5	104.0	0.04	0.06	6.3	3.1	0-0.5 Medium-coarse sands and black silts.
3	5	12	155.2	0.05	0.11	9.2	8.1	0.5-7.0 Fine-medium sands and light brown silts;
5	7	6	81.1	1.09	1.26	210.5	99.1	minor clays, minor coarse sands.
7	9	12	96.2	0.16	0.22	18.3	17.3	7.0-15.0 Fine-medium clayey sands.
9	11	11	106.2	0.05	0.08	6.9	6.0	15.0-18.0 Coarse sands and wash; minor fine sands.
11	13	16.5	90.9	0.11	0.14	8.7	8.7	18.0-21.0 Coarse sands and wash; some birdseye;
13	15	15	81.5	0.23	0.27	17.9	21.0	ochre silts.
15	17	19	80.4	0.90	1.03	54.4	54.4	21.0-23.0 Fine sands; wash and minor clays.
17	19	10	121.0	0.17	0.29	29.4	23.1	23.0-27.0 Medium-coarse sand and small wash.
19	21	15	99.4	0.06	0.09	5.7	6.7	27.0-30.0 Fine-medium sands; minor coarse sands
21	23	19	80.8	0.86	0.99	52.3	52.3	and wash.
23	25	12	115.6	0.15	0.25	20.6	19.4	30.0-30.5 Stiff brown clays.
25	27	6.5	100.4	0.13	0.19	28.7	14.6	30.5-34.8 Medium sand; minor coarse sand and
27	29	13	92.4	0.10	0.13	10.2	10.4	birdseye wash.
29	31	9.5	82.6	0.07	0.08	8.7	6.5	34.8-37.0 Fine-medium sands; some wash.
31	33	11	89.3	0.20	0.26	23.2	20.0	37.0-40.8 Medium-coarse sand and wash; some
33	35	8	110.0	0.15	0.24	29.5	18.5	birdseye; minor fine sands.
35	37	13	85.0	0.10	0.12	9.3	9.5	40.8-41.0 Grey sandy clays.
37	39	24	139.0	0.06	0.12	5.0	5.0	41.0-43.0 Coarse sands, some wash and birdseye;
39	41	10	83.4	0.17	0.20	20.3	15.9	minor clays.
41	43	9	82.6	0.04	0.05	5.2	3.7	43.0-47.0 Fine-medium sands; minor wash and clays.
43	45	9	81.4	0.06	0.07	7.8	5.5	47.0-48.5 Fine sands, green and black silts.
45	47	8	160.5	0.04	0.09	11.5	7.2	48.5-53.0 Granite.
47	49	8	101.6	0.03	0.04	5.4	3.4	
49	51	8	105.5	0.03	0.05	5.7	3.6	
51	53	8	128.0	0.01	-	-	-	Sample Washer's Heavy Mineral Descriptions:
								0-5 Ilmenite, monazite.
								5-19 Trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 48.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 6.43 litres

Grade 1 at 48.5 m 18.35 g SnO2/m³

Total recovered tin 6.43 g SnO2

Grade 2 at 48.5 m 18.35 g SnO2/m³

604243

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575900 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K226 RC.
 SURFACE R.L. 95.7 m BASEMENT R.L. 47.2 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 45.92 litres CIRCULATION
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 10/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								19-21 Ilmenite, pyrite.
								21-27 Fine trace tin, ilmenite, pyrite.
								27-31 Ilmenite, pyrite.
								31-33 Fine trace tin, ilmenite, pyrite.
								33-35 Ilmenite, monazite.
								35-39 Ilmenite, pyrite.
								39-41 Ilmenite, pyrite, monazite.
								41-43 Ilmenite, pyrite.
								43-45 Pyrite, monazite.
								45-53 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 48.5 m
 Total recovered volume, surface to basement.....litres
 Total recovered tin.....6.43 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at 48.5 m 18.25 g SnO2/m³

604244

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575800 mE 5452700 mN DRILLING METHOD Reverse HOLE No. K227 BC
 SURFACE R.L. 97.4 m BASEMENT R.L. 50.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas PAGE 1 of 2 DATE 10/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	8	82.1	0.03	0.04	4.4	1.8	0-1.5	Coarse sands and ochre silts.
3	5	10	111.7	0.03	0.05	4.8	3.8	1.5-3.0	Stiff ochre clays.
5	7	12	99.6	1.98	2.82	234.8	221.1	3.0-4.0	Light grey clayey silts and silty clays.
7	9	14	104.5	0.09	0.13	9.6	10.6	4.0-6.0	Medium-coarse sands.
9	11	17	80.8	0.07	0.08	4.8	4.8	6.0-7.0	Stiff white clays and clayey silts.
11	13	10	136.0	0.03	0.06	5.8	4.6	7.0-13.0	Clayey silts and fine sands; minor medium sands.
13	15	15	93.5	0.11	0.15	9.8	11.5		
15	17	9.5	87.9	0.06	0.08	7.9	5.9	13.0-15.0	Fine-medium sands; minor coarse sands.
17	19	16	151.7	0.15	0.33	20.3	20.3	15.0-18.0	Clayey silts and fine sands.
19	21	19	84.9	0.14	0.17	8.9	8.9	18.0-21.5	Medium-coarse sands and wash; some birdseye.
21	23	12.5	123.5	0.06	0.11	8.5	8.3		
23	25	17	139.7	0.09	0.18	10.6	10.6	21.5-22.0	Ochre clayey silts and fine sands.
25	27	15	134.1	0.77	1.48	98.3	115.8	22.0-25.0	Medium to coarse sands and wash; some birdseye.
27	29	8	86.6	0.29	0.36	44.9	28.2		
29	31	15	94.8	0.21	0.28	19.0	22.3	25.0-32.5	Fine-medium sands; minor coarse sands and wash.
31	33	8	81.7	0.12	0.14	17.5	11.0		
33	35	13	148.2	0.06	0.13	9.8	10.0	32.5-33.0	Grey clays and clayey silts.
35	37	17	102.5	0.10	0.15	8.6	8.6	33.0-39.5	Fine-medium sands; minor wash; some birdseye.
37	39	11	115.5	0.09	0.15	13.5	11.7		
39	41	15	86.2	0.22	0.27	18.1	21.3	39.5-40.0	Thick clayey silts and clays; minor clays.
41	43	10	141.6	0.13	0.26	26.3	20.6		
43	45	9	95.0	0.06	0.08	9.1	6.4	40.0-47.0	Medium-coarse sands; some wash; minor clays.
45	47	13	83.3	0.02	0.02	1.8	1.9		
47	49	9	81.7	0.02	0.02	2.6	1.8	47.0-51.0	Granite.
49	51	7	170.0	B.L.D.	-	-	-		
									Sample washer's Heavy Mineral Descriptions:
									0-3 Ilmenite, monazite.
									3-5 Trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 47.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 7.52 litres

Grade 1 at 47.0 m 24.37 g SnO2/m³

Total recovered tin 7.52 g SnO2

Grade 2 at 47.0 m 24.37 g SnO2/m³

604245

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Pioneer COLLAR CO-ORDINATES... 575800mE. 5452700mN DRILLING METHOD... Reverse HOLE No. K227 RC.
 SURFACE R.L. ... 97.4m BASEMENT R.L. ... 50.4m CUTTING SHOE/
 BIT DIAMETER... 100mm THEORETICAL Circulation
 VOLUME... 45.92litres PAGE... 2of... 2
 DRILLER... R. Miller SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... S. Douglas DATE... 10/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
								5-7 Small amount tin, ilmenite, monazite.
								7-17 Ilmenite, monazite.
								17-21 Fine trace tin, ilmenite.
								21-23 Ilmenite, monazite.
								23-25 Fine trace tin, ilmenite, pyrite.
								25-31 Trace tin, ilmenite.
								31-39 Ilmenite, pyrite.
								39-41 Fine trace tin, pyrite.
								41-45 Ilmenite, pyrite.
								45-51 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at... 47.0m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin..... 7.52g SnO2 Grade 2 at 47.0m 24.37g SnO2/m³

604246

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...525800.....mE.....5452775.....mN DRILLING METHOD...Reverse..... HOLE No...K228-PC.....
 SURFACE R.L...92.1.....m BASEMENT R.L...47.6.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME...15.92.....litres PAGE...1.....of.....2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST...S. Douglas..... DATE...10/12/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	4.5	118.6	0.08	0.14	30.1	7.1	0-3.0 Coarse sands and silts.	
3	5	6	161.7	0.03	0.07	11.6	5.4	3.0-6.8 Ochre clays and silts; grey clays.	
5	7	13	89.5	0.05	0.06	4.9	5.0	6.8-11.0 Fine-medium sands; minor coarse sands and clays.	
7	9	12	113.9	0.11	0.18	14.9	14.1		
9	11	17	97.9	0.12	0.17	9.9	9.9	11.0-14.5 Medium-coarse sands; clayey sand and silts; minor fine sands.	
11	13	14.5	80.5	0.07	0.08	5.6	6.3		
13	15	16	131.9	0.06	0.11	7.1	7.1	14.5-17.0 Coarse sands and wash; minor fine-medium sands.	
15	17	11	111.4	0.17	0.27	24.6	21.2		
17	19	17	87.3	0.11	0.14	8.1	8.1	17.0-18.5 Clayey silts and sands.	
19	21	13	405.4	0.30	0.45	34.8	35.5	18.5-23.0 Medium-coarse sands and wash.	
21	23	12	95.7	0.80	1.09	91.1	85.9	23.0-31.0 Fine-medium sands; minor coarse sands and wash; minor clays.	
23	25	14	83.3	0.71	0.84	60.4	66.3		
25	27	8	94.8	0.10	0.14	16.9	10.6	31.0-37.0 Medium-coarse sands; some small wash; minor clays.	
27	29	8	89.7	0.13	0.17	20.8	13.1		
29	31	13.5	98.0	0.08	0.11	8.3	8.8	37.0-39.0 Clays and medium-coarse sands; minor wash and fine sands.	
31	33	9	83.7	0.14	0.17	18.6	13.1		
33	35	8	92.4	0.08	0.11	13.2	8.3	39.0-43.0 Fine-medium sands; minor clays and coarse sands.	
35	37	10.5	115.9	0.10	0.17	15.8	13.0		
37	39	11	83.5	0.08	0.10	8.7	7.5	43.0-44.5 Light grey sandy clays.	
39	41	9.5	112.2	0.05	0.08	8.4	6.3	44.5-47.0 Granite.	
41	43	16	89.4	1.23	1.57	98.2	98.2	<u>Sample Washer's Heavy Mineral Descriptions:</u>	
43	45	8	108.3	0.02	0.03	3.9	2.4		0-5 Fine trace tin, ilmenite, monazite.
45	47	6	80.5	0.04	0.05	7.7	3.6		5-15 Ilmenite, monazite.
								15-17 Fine trace tin, ilmenite, monazite.	
								17-19 Ilmenite, monazite.	
								19-21 Fine trace tin, ilmenite, monazite.	
								21-25 Trace tin, ilmenite, monazite.	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...44.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....6.3.....g SnO2

Grade 2 at44.5.....m20.7.....g SnO2/m³

604247

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer..... COLLAR CO-ORDINATES...575800.....mE...5452775.....mN DRILLING METHOD Reverse..... HOLE No. K228 RC.
SURFACE R.L.....92.1.....m BASEMENT R.L.....47.6.....m CUTTING SHOE/ THEORETICAL Circulation
BIT DIAMETER.....100 mm..... VOLUME...15.92.....litres PAGE...2.....of.....2.....
DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...10/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								25-31 Fine trace tin, ilmenite, pyrite.
								31-39 Pyrite, ilmenite.
								39-41 Pyrite.
								41-43 Small amount tin, ilmenite, pyrite.
								43-47 Pyrite, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.
Drillers reported basement at...44.5.....m
Total recovered volume, surface to basement.....litres
Total recovered tin.....6.3.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
Grade from surface to Inferred basement
Grade 1 atm g SnO2/m³
Grade 2 at:44.5.....m20.7.....g SnO2/m³

604248

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575900 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K229..RC...
 SURFACE R.L. 102.4 m BASEMENT R.L. 47.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 11/12/82
 PAGE 1 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	5	105.4	0.04	0.06	12.1	3.2	0-0.5 Coarse sands and brown silt.
3	5	8	95.0	0.04	0.05	6.8	4.3	0.5-7.0 Ochre and light brown clays and silty
5	7	7	81.2	0.08	0.09	13.3	7.3	clays; minor coarse sands and silts.
7	9	13	108.7	0.07	0.11	8.4	8.6	7.0-11.0 Medium-coarse sands and small wash; minor
9	11	9	104.8	0.04	0.06	6.7	4.7	fine sands.
11	13	11	82.1	0.12	0.14	12.8	11.1	11.0-17.0 Fine sands; minor medium-coarse sands.
13	15	18	130.6	0.18	0.34	18.7	18.7	17.0-20.0 Fine-medium sands; white silts.
15	17	19	95.5	0.07	0.10	5.0	5.0	20.0-22.5 Fine-medium sands; ochre silts.
17	19	13	111.3	0.05	0.08	6.1	6.2	22.5-27.0 Medium sands and small wash.
19	21	10.5	101.6	0.01	0.01	1.4	1.1	27.0-29.0 Large wash and medium-coarse sands; some
21	23	15	132.0	0.16	0.30	20.1	23.7	birdseye.
23	25	10.5	111.2	0.15	0.24	22.7	18.7	29.0-33.0 Medium sands and small wash; some birds-
25	27	8	85.5	0.13	0.16	19.9	12.5	eye; ochre silts.
27	29	15	102.6	0.16	0.23	15.6	18.4	33.0-35.0 Medium-coarse sands and wash.
29	31	19	86.7	0.99	1.23	64.5	64.5	35.0-37.0 Medium sands; some wash, minor stiff
31	33	9	82.1	0.20	0.23	26.1	18.4	grey clays.
33	35	12	140.7	0.21	0.42	35.2	33.1	37.0-48.5 Silts and fine-medium sands; minor clays
35	37	8.5	104.4	0.14	0.21	24.6	16.4	and wash.
37	39	6.5	81.1	0.10	0.12	17.8	9.1	48.5-51.0 Grey sandy clays with coarse sands and
39	41	14	175.4	0.12	0.30	21.5	23.6	wash; minor fine sands. Stiff brown
41	43	16	82.4	0.23	0.27	16.9	16.9	clays at 49.5 m.
43	45	9.5	103.8	0.07	0.10	10.9	8.2	51.0-55.0 Fine-medium sands; minor clays and wash.
45	47	11.5	81.7	0.11	0.13	11.2	10.1	55.0-59.0 weathered granite.
47	49	16	101.7	0.12	0.17	10.9	10.9	
49	51	20	81.4	0.31	0.36	18.0	18.0	Sample washer's Heavy Mineral Descriptions:
51	53	17	106.6	0.08	0.12	7.2	7.2	
53	55	20	99.3	0.07	0.10	5.0	5.0	0-5 Ilmenite, monazite.
55	57	9	80.3	0.03	0.03	3.8	2.7	5-7 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 55 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 5.98 g SnO2

Grade 2 at 55 m 14.73 g SnO2/m³

604249

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575900 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K229 RC.....
 SURFACE R.L. 102.4 m BASEMENT R.L. 47.4 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 11/12/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
57	59	10	131.2	0.11	0.21	20.6	16.2	7-11	Ilmenite, monazite.
								11-13	Fine trace tin, ilmenite, monazite.
								13-15	Trace tin, ilmenite, monazite.
								15-17	Ilmenite, monazite.
								17-19	Fine trace tin, ilmenite, monazite.
								19-21	Ilmenite, monazite.
								21-23	Fine trace tin, ilmenite, monazite.
								23-25	Fine trace tin, ilmenite, pyrite.
								25-29	Ilmenite, pyrite.
								29-33	Trace tin, ilmenite, pyrite.
								33-35	Fine trace tin, ilmenite, pyrite.
								35-51	Ilmenite, pyrite.
								51-53	Fine trace tin, pyrite.
								53-59	Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at SS m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m g SnO2/m³

Total recovered tin 5.98 g SnO2

Grade 2 at SS m 14.73 g SnO2/m³

604250

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575800 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K230.RC
 SURFACE R.L. 108.4 m BASEMENT R.L. 49.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 11/12/82
 PAGE 1 of 2

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	11	80.5	0.02	0.02	2.1	1.2	0-0.5 Coarse sands and black silt.
3	5	10	82.7	0.03	0.04	3.5	2.8	0.5-1.5 Ochre clays.
5	7	8	84.0	0.01	0.01	1.5	0.9	1.5-6.0 Coarse sands and brown silts; minor stiff brown clays.
7	9	9	88.7	0.03	0.04	4.2	3.0	
9	11	8	105.7	0.07	0.11	13.2	8.3	6.0-11.5 Fine-medium sands and ochre silts and sandy clays.
11	13	8	107.5	0.04	0.06	7.7	4.8	
13	15	10	80.7	0.06	0.07	6.9	5.4	11.5-13.0 Black oily silts and medium sands; minor brown clays.
15	17	11.5	95.8	0.31	0.42	36.9	33.3	
17	19	9	180.0	0.02	0.05	5.7	4.0	13.0-15.0 Brown clayey silts.
19	21	10.5	81.0	0.32	0.38	36.4	30.0	15.0-18.0 Medium-coarse sands; small wash.
21	23	9.5	90.1	0.03	0.04	4.1	3.0	18.0-21.0 Silty clays and clayey silts; minor coarse sands.
23	25	9	124.2	0.01	-	-	-	
25	27	11	102.0	0.01	-	-	-	21.0-27.0 Medium-coarse sands and white silts; small wash.
27	29	14.5	83.1	0.02	0.02	1.6	1.9	
29	31	12	135.8	0.21	0.41	34.0	32.0	27.0-29.0 Ochre clayey silts and silty clays.
31	33	16	101.3	0.19	0.28	17.2	17.2	29.0-37.0 Medium-coarse sands; some small wash; minor fine sands and clays.
33	35	15	119.1	0.79	1.30	89.6	105.5	
35	37	13.5	81.9	0.83	0.97	71.9	76.2	37.0-40.0 Medium sands, minor clays, some wash.
37	39	14	81.5	0.79	0.92	65.7	72.2	40.0-41.0 Stiff grey clays, with medium sands and minor wash.
39	41	12	99.5	0.21	0.30	24.9	24.4	
41	43	12	85.1	0.21	0.26	21.3	20.0	41.0-45.0 Medium-coarse sands; some wash and clayey silts.
43	45	10	92.9	0.09	0.06	5.5	4.3	
45	47	9.5	91.6	0.10	0.13	13.8	10.3	45.0-47.0 Fine-medium sand; minor coarse sand and wash.
47	49	15	85.7	0.13	0.16	10.6	12.5	
49	51	15	83.8	0.15	0.18	12.0	14.1	47.0-55.0 Medium-coarse sands, minor fine sands and wash; minor sandy clays.
51	53	11	128.7	0.06	0.16	14.7	12.7	
53	55	13	83.3	0.10	0.12	9.2	9.3	55.0-57.0 Grey clays and weathered granite fragments; some wash.
55	57	8	111.6	0.05	0.08	10.0	6.3	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 58.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.67 g SnO2

Grade 2 at 58.8 m 18.21 g SnO2/m³

604251

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 575800 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K230.RC
 SURFACE R.L. 108.4 m BASEMENT R.L. 49.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 11/12/82
 PAGE 2 of 2

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	11	86.6	0.08	0.10	9.0	7.8	57.0-58.8 Sandstone wash and coarse sand; grey clays.
59	61	7.5	81.7	0.05	0.06	7.8	4.6	
61	63	8	171.6	0.04	0.10	12.3	7.7	58.8-63.0 Granite.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
0-9 Ilmenite, monazite.								
9-15 Fine trace tin, ilmenite, monazite.								
15-21 Trace tin, ilmenite, monazite.								
21-29 Ilmenite, monazite.								
29-31 Trace tin, ilmenite, monazite.								
31-33 Fine trace tin, ilmenite, pyrite.								
33-35 Trace tin, ilmenite, monazite.								
35-37 Trace tin, ilmenite, pyrite.								
37-39 Trace tin, ilmenite.								
39-41 Fine trace tin, ilmenite, pyrite.								
41-43 Trace tin, ilmenite,								
43-53 Ilmenite, pyrite.								
53-63 Pyrite.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 58.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.87 g SnO2

Grade 2 at 58.8 m 18.2 g SnO2/m³

604252

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Pioneer..... COLLAR CO-ORDINATES...575700.....mE...5452816.....mN DRILLING METHOD...Reverse..... HOLE No.....K231.RC.
 SURFACE R.L.....95.4.....m BASEMENT R.L.....51.6.....m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL VOLUME...15.92.....litres PAGE...1.....of.....2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...11/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	92.5	0.04	0.05	5.9	2.8	0-0.5 Black peaty topsoil.
3	5	12	81.0	0.25	0.29	24.1	22.7	0.5-3.0 Light grey clays, coarse sand, grey silts.
5	7	7.5	141.7	0.18	0.36	48.6	28.6	3.0-3.5 Coarse drift.
7	9	14	83.2	0.06	0.07	5.1	5.6	3.5-4.0 Yellow-orange-grey clays.
9	11	11.5	80.7	0.05	0.06	5.0	4.5	4.0-5.0 Orange silty and sandy clays, sand, coarse drift and small wash.
11	13	8	85.3	0.02	0.02	3.0	1.9	
13	15	12.5	81.4	0.17	0.20	15.8	15.5	5.0-7.0 Coarse sand, light brown to grey soft silty clays.
15	17	11.5	91.4	0.05	0.07	5.7	5.1	
17	19	13	80.0	0.12	0.14	10.5	10.8	7.0-8.0 Bright yellow sandy silts, small drift.
19	21	13.5	83.7	0.14	0.17	12.4	13.1	8.0-8.6 Grey sandy silts, small drift.
21	23	19	82.3	0.79	0.93	48.9	48.9	8.6-9.8 Yellow sandy silts, small drift.
23	25	19	89.5	0.32	0.41	21.5	21.5	9.8-14.5 Very silty grey sands and drift.
25	27	16	82.8	0.26	0.31	19.2	19.2	14.5-15.0 Light brown silty sands and drift.
27	29	19	99.5	0.22	0.31	16.5	16.5	15.0-18.0 Grey and brown silty sand and abundant drift.
29	31	19	80.1	0.10	0.11	6.0	6.0	
31	33	18	81.4	0.21	0.24	13.6	13.6	18.0-21.5 Grey and brown silty sand and abundant drift, small wash.
33	35	17.5	85.3	0.21	0.26	14.6	14.6	
35	37	14	108.6	0.05	0.08	5.5	6.1	21.5-23.0 Light yellow very silty drift and small to medium wash.
37	39	10	85.9	0.11	0.14	13.5	10.6	
39	41	12	81.4	0.06	0.07	5.8	5.5	23.0-29.0 Light yellow-grey clays, drift, minor sands, medium to small wash. Grey with clay horizon from 26.0 m.
41	43	10	88.7	0.07	0.09	8.9	7.0	
43	45	10	84.2	0.03	0.04	3.6	2.8	
45	47	10	80.8	0.01	-	-	-	29.0-34.5 Very silty yellow drift and sands, small wash.
								34.5-35.0 Grey-yellow silty drift and sands.
								35.0-36.7 Light brown silts, coarse sand, drift, small wash.
								36.7-36.9 Brown woody clays.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....43.8.....m Grade from surface to Inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO2/m³
 Total recovered tin.....4.4.....g SnO2 Grade 2 at43.8.....m13.0.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA..Pioneer..... COLLAR CO-ORDINATES...575700.....mE...5452816.....mN DRILLING METHOD...Reverse..... HOLE No..K231 RC.....
 SURFACE R.L...95.4.....m BASEMENT R.L...51.6.....m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL CIRCULATION VOLUME...15.92.....litres PAGE..2.....of...2.....
 DRILLER...R..Miller..... SAMPLE WASHER...S...Moore.. ASSAY METHOD...XRF..... GEOLOGIST.....R...Nunro..... DATE...44/12/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								36.9-43.8 Grey silt and clay, broken wash-all size range, minor sand. Clays sometimes impure mottled grey-white. More drift present 43.0-43.8.
								43.8-47.0 Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-3 Ilmenite, monazite.
								3-7 Trace tin, ilmenite, monazite.
								7-11 Fine trace tin, ilmenite, monazite.
								11-13 Ilmenite, monazite.
								13-15 Trace tin, ilmenite, monazite.
								15-33 Fine trace tin, ilmenite, monazite.
								33-35 Trace tin, ilmenite, pyrite.
								35-37 Fine trace tin, ilmenite, pyrite.
								37-47 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....43.8.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 at g SnO2/m³

Total recovered tin.....4.4.....g SnO2

Grade 2 at43.8.....m13.0.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE 5452900 mN DRILLING METHOD Reverse HOLE No. K232 RC.
 SURFACE R.L. 97.2 m BASEMENT R.L. 46.8 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro PAGE 1 of 2 DATE 13/12/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	9	81.6	0.07	0.08	9.1	4.3	0-0.3 Sandy topsoil.
3	5	12	149.0	0.05	0.11	8.9	8.4	0.3-2.6 White tenaceous clay.
5	7	9	92.1	0.04	0.05	5.8	4.1	2.6-3.2 White silty coarse sand and small drift.
7	9	11	80.3	0.09	0.10	9.4	8.1	3.2-5.2 Grey silty coarse sand and small drift, coarse drift.
9	11	12.5	90.0	0.14	0.18	14.4	14.1	
11	13	6	115.7	0.03	0.05	8.3	3.9	5.2-8.0 Brown silty coarse sand and small drift.
13	15	15	82.9	0.03	0.04	2.4	2.8	8.0-10.0 Grey silty clays, drift, sand.
15	17	10	131.1	0.04	0.08	7.5	5.9	10.0-10.4 Layer of brown clay.
17	19	15	83.3	0.78	0.93	61.9	72.9	10.4-11.0 Grey silty clays, drift, sand.
19	21	13	82.2	0.93	1.09	84.0	85.7	11.0-13.0 Light grey clayey silt, drift, coarse sand.
21	23	15	105.9	0.13	0.20	13.1	15.4	
23	25	12	83.2	0.18	0.21	17.8	16.8	13.0-17.0 Impure light grey silty clays.
25	27	14	82.1	0.26	0.31	21.8	23.9	17.0-19.0 Light brown very silty drift and coarse sand.
27	29	12	101.4	0.64	0.93	77.3	72.8	
29	31	13	83.6	0.95	1.14	87.3	89.1	19.0-20.0 Small wash, brown yellow silty, drift.
31	33	10	95.1	0.23	0.31	31.2	24.5	20.0-21.0 Grey silts, small-medium wash, drift, sand.
33	35	15	88.3	0.07	0.09	5.9	6.9	
35	37	14	111.7	0.07	0.11	8.0	8.8	21.0-28.2 Yellow brown silt, small to medium wash, drift, sand.
37	39	16	109.3	0.70	1.09	68.3	68.3	
39	41	9	84.1	0.21	0.25	28.0	19.8	28.2-31.0 Grey silt, small to medium sub-angular wash, layers containing drift and sand.
41	43	10	118.7	0.11	0.19	18.7	14.6	
43	45	11	119.0	0.06	0.10	9.3	8.0	31.0-33.0 Grey silts, small to medium angular wash, layers containing drift, and sand.
45	47	11	84.0	0.07	0.08	7.6	6.6	
47	49	11	107.8	0.06	0.09	8.4	7.3	33.5-35.0 Brown clay, wood.
49	51	12	107.3	1.04	1.59	132.8	125.1	35.0-49.5 Grey silts, small to large angular to sub-rounded wash, tenaceous grey clays (trending to greenish with depth), horizons of drift, drift. Layer of brown silt
51	53	10	82.0	0.09	0.11	10.5	8.3	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 50.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 7 litres

Grade 1 at 50.4 m 28.9 g SnO2/m³

Total recovered tin 10.6 g SnO2

Grade 2 at 50.4 m 28.9 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Pioneer COLLAR CO-ORDINATES 576200 mE. 5452900 mN DRILLING METHOD Reverse HOLE No. K232RC
 SURFACE R.L. 97.2 m BASEMENT R.L. 46.8 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 13/12/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								and wood 42.0-42.5.
								49.5-50.4 Grey silts, drift, sub-rounded quartz wash.
								50.4-53.0 Granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-9 Ilmenite, monazite.
								9-13 Fine trace tin, ilmenite, monazite.
								13-19 Ilmenite, monazite.
								19-21 Trace tin, ilmenite, monazite.
								21-23 Fine trace tin, ilmenite, monazite.
								23-25 Ilmenite, monazite.
								25-29 Fine trace tin, ilmenite, monazite.
								29-33 Trace tin, ilmenite, monazite.
								33-35 Ilmenite, monazite.
								35-37 Ilmenite, pyrite.
								37-41 Fine trace tin, ilmenite, pyrite.
								41-43 Pyrite.
								43-47 Pyrite, ilmenite.
								47-53 Fine trace tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 50.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 15.92 litres

Grade 1 at 50.4 m 28.9 g SnO2/m³

Total recovered tin 19.6 g SnO2

Grade 2 at 50.4 m 28.9 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5458520 mN DRILLING METHOD Percussion HOLE No. ELP 29
 SURFACE R.L. 74.5 m BASEMENT R.L. 48.5 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER A. Groves SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 11-21 Oct 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	15	112.3	0.20	0.32	21.4	9.9	0-1 Black top soil quartz, sands and granules brown cement.
2	4	24.5	102.1	0.21	0.31	12.5	9.4	
4	6	22	118.6	0.32	0.54	24.6	16.7	1-2 Quartz sands and granules, yellow clay.
6	8	10.5	116.8	0.09	0.15	14.3	4.6	2-3 Quartz sands and granules yellow and white clay.
8	10	17.5	128.7	0.02	0.04	2.1	1.1	
10	12	18	108.2	0.01	0.02	0.9	0.5	3-5 Quartz sands to large granules.
12	14	18	103.7	0.02	0.03	1.7	0.9	5-6 quartz sand to large granules, white sandy clay, small wash.
14	16	16	119.3	0.20	0.34	21.3	10.5	
16	18	57	108.8	1.19	1.85	32.5	32.5	6-7 Quartz sand to large granules small angular quartz wash, yellow clay.
18	20	46	99.7	1.49	2.12	46.1	46.1	
20	22	58.5	122.2	1.72	3.00	51.3	51.3	7-8 Quartz sand granules brown silty clay.
22	24	41	117.8	1.75	2.95	71.8	71.8	8-10 Brown silty clay.
24	26	31	107.1	0.87	1.33	42.9	40.9	10-11 Brown silty clay a little sand and granules.
26	28	24.5*	107.3	0.15	0.23	9.4	7.1	11-12 Brown grey silty clay.
28	29	18*	157.5	0.04	0.09	5.0	5.5	12-14 Grey silty clay.
								14-16 Quartz sand and granules.
								16-18 Quartz sand and granules, white clay small angular quartz wash, larger wash and coarse quartz granules.
								18-24 Quartz sand to large granules small angular quartz wash.
								24-25 Quartz sand to large granules.
								25-26 Quartz sand to large granules, white sandy clay, medium wash.
								26-29 Decomposed granite basement.

* Denotes "Floater Sample".

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at 26.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 375 litres

Grade 1 at m g SnO2/m³

Total recovered tin 13.32 g SnO2

Grade 2 at 26 m 2.4 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 578400 mE... 5458520 mN DRILLING METHOD... Percussion... HOLE No... ELP... 29...
 SURFACE R.L... 74.5 m BASEMENT R.L... 48.5 m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7 litres PAGE... 2 of 2...
 DRILLER... A. Groves SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 11-21 Oct. 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
								Sample Washer, s Heavy Mineral Description:
								0-8 Trace of tin, ilmenite, monazite.
								8-14 Pyrite.
								14-16 Fine trace of tin ilmenite, pyrite.
								16-26 Small amount tin, ilmenite, monazite.
								26-28 Fine trace of tin, pyrite.
								28-29 Pyrite

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Drillers reported basement at... 26.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement... 375 litres Grade 1 at m g Sn02/m³
 Total recovered tin... 13.32 g Sn02 Grade 2 at 26 m 24 g Sn02/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 578400mE. 5458520mN DRILLING METHOD... Percussion. HOLE No... ELP... 28*
 SURFACE R.L. 69.9m BASEMENT R.L. 38.4m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7litres PAGE... 1of..... 2
 DRILLER... G. Selby SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 4-13 Oct. 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	22	125.0	0.24	0.43	19.5	13.2	0-1 Black mud, coarse sand.
2	4	14	111.2	0.93	1.48	105.5	45.4	1-2 Quartz sand to coarse granules.
4	6	23	124.5	0.04	0.07	3.1	2.2	2-3 Quartz sand to small angular pebbles
6	8	17.5	139.9	B.L.D.	0.00	0.0	0.0	3-4 Quartz sand to small angular pebbles
8	10	67	106.0	0.04	0.06	0.9	0.9	white clay.
10	12	30.5	92.5	0.03	0.04	1.3	1.2	4-5 White and yellow silty clay, brown
12	14	26*	106.8	0.19	0.29	11.2	8.9	organic silt, wood.
14	16	26*	110.6	0.75	1.19	45.6	36.5	5-8 Brown organic silt, wood.
16	17	17*	110.5	0.90	1.42	83.8	87.3	8-9 Brown organic silt, quartz sand
17	19	19*	112.8	0.84	1.35	71.2	41.6	to granules, pyrite lumps.
19	20	9	106.7	0.28	0.43	47.2	26.2	9-10 Quartz sand to coarse granules; pyrite
20	22	33.5	121.5	0.71	1.23	36.8	37.8	lumps.
22	24	14.5*	109.3	0.27	0.42	29.1	12.9	10-12 Quartz sand to coarse granules;
24	26	10*	110.4	0.19	0.30	29.9	9.2	brown-grey silty clay.
26	28	31	119.0	0.16	0.27	8.8	8.4	12-15 Quartz sand to granules, white silty
28	30	43	130.0	0.09	0.17	3.9	3.9	clay.
30	32	33.5	123.4	0.10	0.18	5.3	5.4	15-19 Quartz sand small angular pebbles;
32	33	14.5*	129.5	0.03	0.06	3.8	3.4	white clay.
33	34	12*	95.8	0.04	0.05	4.6	3.4	19-20 Quartz sand to coarse granules.
34	35	17.5*	94.0	0.04	0.03	3.1	3.3	20-21 Quartz sand to coarse granules; white
								clay.
								21-22 Quartz sand to coarse granules; white
								and brown silty clay.
								22-23 Quartz sands to granules; white
								silty clay.
								* Denotes "Floater" Type Sample.
								23-24 Quartz sands to coarse granules;
								white silty clay; small and medium
								wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 31.2m

Grade from surface to inferred basement

Total recovered volume, surface to basement... 423.5litres

Grade 1 atm g SnO2/m³

Total recovered tin... 9.47g SnO2

Grade 2 at 31.2m 19g SnO2/m³

AUSTRALIAN ANGLO AMERICA LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE. 5458520 mN DRILLING METHOD Percussion. HOLE No. ELP. 28.
 SURFACE R.L. 69.6 m BASEMENT R.L. 38.4 m CUTTING SHOE/ BIT DIAMETER 161 mm. THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4-13 Oct. 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								24-25 Quartz sands to coarse granules; small and medium wash; white and grey sandy clay.
								25-26 Quartz sands to coarse granules; small to large wash; grey and white sandy clay.
								26-29 As above but less large wash.
								29-30 Quartz sands to granules, small quartz angular wash, small and medium wash, grey sandy clay.
								30-31.2 Quartz sand to granules; small and medium wash.
								31.2-35 Decomposed granite.
<u>Sample Washers' Heavy Mineral Observations:</u>								
								0-4 Ilmenite, monazite.
								4-12 Large amount of pyrite.
								12-14 Pyrite, ilmenite.
								14-17 Ilmenite, monazite, pyrite.
								17-20 Ilmenite, monazite.
								20-22 Pyrite, ilmenite.
								22-35 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 31.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 423.5 litres

Grade 1 at m g SnO2/m³

Total recovered tin 9.47 g SnO2

Grade 2 at 31.2 m 19 g SnO2/m³

AUSTRALIAN ANGLO AMERICA LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5458360 mN DRILLING METHOD Percussion HOLE No. ELP 27
 SURFACE R.L. 73.6 m BASEMENT R.L. m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER A. Groves SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1-11 Oct. 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³		Description of Sample
From m	To m								
0	2	21	108.4	0.24	0.37	17.7	11.4	0-1	Black top soil, quartz sand to granuls, brown cement, white sandy clay.
2	4	23.5	127.6	0.08	0.15	6.2	4.5		
4	6	19.5	113.2	0.14	0.23	11.6	6.9	1-3	Quartz sand to granules; yellow and minor white sandy clay.
6	8	27*	93.3	0.11	0.15	5.4	4.5		
8	10	15*	115.3	0.05	0.08	5.5	2.5	3-5	Quartz sand to granules.
10	12	14.5*	117.1	0.19	0.23	21.9	9.8		
12	14	17	144.5	0.06	0.12	7.3	3.8	5-6	Quartz sand to coarse granules.
14	16	30.5*	100.0	0.09	0.13	4.2	4.0	6-7	
16	18	22*	98.8	0.06	0.08	3.9	2.6	7-10	Quartz sand to coarse granules; yellow and white clay.
18	20	30*	105.3	0.08	0.12	4.0	3.7		
20	22	42.5*	102.5	0.21	0.31	7.2	7.2	10-11	Quartz sand to granules; yellow and white silty clay.
22	24	41	113.9	0.28	0.46	11.1	11.1		
24	26	40	102.1	0.34	0.50	12.4	15.2	11-14	Quartz sand to granules; white sandy clay.
26	28	32.5	87.9	0.71	0.89	27.4	27.4		
28	30	25	106.1	0.70	1.06	42.4	32.6	14-15	Quartz sand to granules; white clay
30	32	47.5	97.6	0.68	0.95	19.9	19.9	15-16	
32	34	24	104.6	0.18	0.27	11.2	8.3	16-17	Quartz sand to granules; organic silt; wood.
34	36	16	96.5	0.15	0.21	12.9	6.4		
36	37	1*	98.3	0.05	0.07	70.2	4.3	17-18	Quartz sand to granules; white silty clay; wood.
37	37.5	14.5*	95.4	0.05	0.07	4.7	4.7		
								18-19	Quartz sand to coarse granules; white sandy clay.
								19-23	Quartz sand to small angular wash; white clay.
								23-25	Quartz sand to small angular wash; white silty clay.
								25-26	Quartz sand to small angular wash.

* Denotes "Floater Sample".

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 35.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 486.9 litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.54 g SnO2

Grade 2 at 35.8 m 10 g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5458360 mN DRILLING METHOD Percussion HOLE No. ELP 27
 SURFACE R.L. 73.6 m BASEMENT R.L. _____ m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER A. Groves SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 1-11 Oct. 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
								26-28 Quartz sand to small angular wash; medium wash.
								28-30 Quartz sand to coarse granules; medium to large wash, white sandy clay.
								30-31 Quartz sand-to coarse granules, small-medium wash, white sandy clay
								31-32 Quartz sand to coarse granules; small-medium wash.
								32-35.8 Quartz sand to granules, sand and medium wash, grey and white sandy clay.
								35.8-37.5 Decomposed granite grading to granite rock at 37.5.
								<u>Sample Washers' Heavy Mineral Observation;</u>
								0-14 Ilmenite, monazite.
								14-18 Ilmenite, monazite, pyrite.
								18-30 Ilmenite, monazite.
								30-37.5 Pyrite.

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Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 35.8 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 486.9 litres Grade 1 at _____ m g SnO2/m³
 Total recovered tin 6.54 g SnO2 Grade 2 at 35.8 m 10 g SnO2/m³

AUSTRALIAN ANGLO AMERICA LTD.

DRILL LOG

AREA..... Eastern Leads COLLAR CO-ORDINATES... 578400.....mE. 15459200.....mN DRILLING METHOD... Percussion. HOLE No.... ELP... 26...
 SURFACE R.L. 71.4.....m BASEMENT R.L. 36.9.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME..... 40.7.....litres PAGE... 1...of.....2...
 DRILLER... A. Groves SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 24-30 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	19	123.2	0.05	0.09	4.6	2.7	0-1 Black mud, soil, sand and granules.
2	4	23	100.7	1.02	1.47	63.8	45.1	1-3 Quartz sands and granules, brown silty clay.
4	6	23	104.8	1.20	1.80	78.1	55.2	
6	8	19*	99.0	0.67	0.95	49.9	29.1	3-6 Quartz sands to large granules, small angular wash.
8	10	14.5*	109.5	0.15	0.23	16.2	7.2	
10	12	18*	103.0	0.14	0.21	11.4	6.3	6-7 Quartz sands to large granules, white and yellow clay.
12	14	29*	99.7	0.76	1.08	37.3	33.2	
14	16	12	136.0	0.30	0.58	48.6	17.9	7-8 Quartz sands to granules, white and yellow clay.
16	18	15	115.0	0.85	1.40	93.1	42.9	
18	20	30*	96.6	0.29	0.40	13.3	12.3	8-10 Quartz sands to granules, white silty clay.
20	22	21*	109.3	0.31	0.48	23.1	14.9	
22	24	18.5*	134.0	0.18	0.34	18.6	10.6	10-11 Quartz sands to granules.
24	26	35*	93.5	0.22	0.29	8.4	9.0	11-13 Quartz sands to large granules.
26	28	31	112.9	0.25	0.40	13.0	12.4	13-14 Quartz sands to large granules, white clay, 3 medium wash pebbles, brown cement.
28	30	23*	117.3	0.27	0.45	19.7	13.9	
30	32	41.5*	110.0	0.19	0.30	7.2	7.2	
32	34	36*	114.6	0.12	0.20	5.5	6.0	14-15 Quartz sands to large granules.
34	36	18.5*	101.4	0.19	0.28	14.9	8.5	15-17 Quartz sands to large granules, small angular quartz wash.
36	37	17*	93.5	0.08	0.11	6.3	6.6	
37	38	13*	105.9	0.04	0.06	4.7	3.7	17-18 Quartz sands to large granules, small angular quartz wash, white clay, brown cement.
								18-19 Quartz sands to large granules, minor white clay, brown cement.
								19-20 Quartz sands to large granules, small angular quartz wash.
								20-21 Quartz sands to large granules, small angular quartz wash.

* Denotes "Elbater Sample"

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at..... 34.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... 413.1.....litres

Grade 1 atm g SnO2/m³

Total recovered tin..... 11.12.....g SnO2

Grade 2 at 34.5.....m 20.....g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 578400mE 5450200mN DRILLING METHOD... Percussion HOLE No... ELP 26
 SURFACE R.L. 71.4m BASEMENT R.L. 36.9m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7litres PAGE... 2of..... 2
 DRILLER... A. Groves SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE 24-30 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
								21-24 Quartz sands to large granules, white and yellow clay.
								24-25 Quartz sands to granules, organic silt, wood, white and yellow clay.
								25-26 Quartz sands to large granules, small wash, white clay.
								26-27 Quartz sands to large granules, small wash, white clay.
								27-28 Quartz sands to granules, small and medium wash, large granules, white sandy clay.
								28-29 Quartz sand and granules, small-large wash, large granules.
								29-34.5 Quartz sand and granules, small-large wash, white and grey sandy clay.
								34.5-38 Decomposed granite.
								Sample Washers' Heavy Mineral Observation:
								0-2 Pyrite.
								2-4 Ilmenite, monazite, pyrite.
								4-28 Ilmenite, monazite.
								28-38 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at... 34.5m Grade from surface to inferred basement
 Total recovered volume, surface to basement... 413.1litres Grade 1 atm g Sn02/m³
 Total recovered tin... 11.12g Sn02 Grade 2 at ... 34.5m 20g Sn02/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA.....Eastern Leads COLLAR CO-ORDINATES...578400.....mE...5459280.....mN DRILLING METHOD.....Percussion HOLE No. ELP...25.....
 SURFACE R.L. 70.3.....m BASEMENT R.L. 38.9.....m CUTTING SHOE/ BIT DIAMETER.....161 mm THEORETICAL VOLUME.....40.7.....litres PAGE...1...of...2.....
 DRILLER...G. Selby..... SAMPLE WASHER...S. Moore ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...21/9 to 4/10 8

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	25.5	104.5	0.91	1.36	53.3	41.7	0-1 Black mud and soil, fine sand.
2	4	14.5	112.6	0.15	0.24	16.6	7.4	1-2 Quartz sand to coarse granules, small angular wash, mud.
4	6	20	101.3	0.10	0.14	7.2	4.4	2-3 Quartz sand to coarse granules, minor white sandy clay.
6	8	25	101.2	0.02	0.03	1.6	0.9	3-4 Quartz sand to coarse granules and angular small wash.
8	10	25.5	102.3	0.04	0.06	2.3	1.8	4-5 Quartz sand to coarse granules and angular small wash, minor white clay
10	12	27	117.1	0.12	0.20	7.4	6.2	5-6 Quartz sand to coarse granules, grey and yellow silty clay.
12	14	25	111.2	0.83	1.32	52.7	40.5	6-7 Quartz sand to granules, brown silty clay.
14	16	36	107.5	0.13	0.20	5.6	6.1	7-8 Brown and yellow silty clay.
16	18	24.5*	106.0	0.14	0.21	8.7	6.5	8-9 Quartz sand to granules yellow and white clay.
18	20	31.5*	105.0	0.15	0.23	7.1	6.9	9-10 Quartz sand, granules, white clay, large granules.
20	22	41*	97.0	1.00	1.39	33.8	33.8	10-11 Quartz sand to coarse granules.
22	24	31*	103.6	0.76	1.12	36.3	34.5	11-12 Quartz sand to coarse granules, yellow and white sandy clay.
24	26	26*	104.8	0.73	1.09	42.0	33.6	12-15 Quartz sand to coarse granules, and small angular wash.
26	28	18*	96.6	0.24	0.33	20.7	10.2	15-16 Quartz sand to large granules, small angular wash, medium wash, white clay
28	30	47*	102.4	0.25	0.37	7.8	7.8	16-17 Quartz sand to large granules, small angular wash.
30	32	36*	103.6	0.16	0.24	6.6	7.3	
32	33	11.5*	119.4	0.06	0.10	8.9	6.3	
33	34	14.5*	118.0	0.05	0.08	5.8	5.1	
34	35	29.5*	123.0	0.05	0.09	3.0	3.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....31.4.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....440.7.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....8.8.....g SnO2

Grade 2 at31.4.....m16.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5459280 mN DRILLING METHOD Percussion HOLE No. ELP 25
 SURFACE R.L. 70.3 m BASEMENT R.L. 38.9 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 21/9 to 4/10 8

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								17-20 Quartz sand to large granules, small angular wash, minor white clay.
								20-21 Quartz sand to large granules, white silty clay.
								21-25 Quartz sand to large granules, small angular wash, white and yellow silty clay.
								25-26 Quartz sand to large granules, medium wash, yellow and white clay.
								26-27 Quartz sand to large granules, medium wash, grey and white clay.
								27-28 Quartz sand to granules, medium wash.
								28-29 Quarts sand to granules, medium wash, grey silty clay.
								29-30 Quartz sand to granules, small angular wash, medium and large wash.
								30-31.4 Quartz sand to granules, small angular wash, medium wash, grey silty clay.
								31.4-35 Decomposed granite.
								<u>Sample Washers' Heavy Mineral Observation:</u>
								0-6 Ilmenite, monazite.
								6-10 Pyrite.
								10-26 Ilmenite, monazite.
								26-35 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 31.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 440.7 litres

Grade 1 at m g SnO2/m³

Total recovered tin 8.8 g SnO2

Grade 2 at 31.4 m 16 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Lead COLLAR CO-ORDINATES 578400 mE. 5459120 mN DRILLING METHOD Percussion HOLE No. ELP.24
 SURFACE R.L. 72.4 m BASEMENT R.L. 37.4 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER A. Groves SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 17-23 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	11	116.1	0.10	0.17	15.1	5.1	0-1 Black top soil, sand, minor brown cement.
2	4	21	127.0	0.23	0.42	19.9	12.8	
4	6	23.5	122.5	0.26	0.46	19.4	14.0	1-2 Sand, granules, brown cement, white sandy clay.
6	8	28	120.0	0.18	0.31	11.0	9.5	
8	10	14	125.2	0.11	0.20	14.1	6.0	2-3 Sand, brown sandy clay.
10	12	28	128.5	0.10	0.18	6.6	5.6	3-4 Sand to large quartz granules, minor white sandy clay.
12	14	26.5	142.5	0.07	0.14	5.4	4.4	
14	16	43*	120.0	1.17	2.01	46.6	46.6	4-7 Sand to large quartz granules, small angular quartz wash.
16	18	25	100.0	0.28	0.40	16.0	12.3	
18	20	25.5	119.0	0.23	0.39	15.3	12.0	7-8 As above with minor white clay.
20	22	26.5*	126.6	0.13	0.24	8.9	7.2	8-10 As for 4-7
22	24	34*	113.9	0.18	0.29	8.6	9.0	10-13.5 Sand to large quartz granules, minor white clay.
24	26	46.5*	114.7	0.35	0.57	12.3	12.3	
26	28	24.5	102.0	0.29	0.42	17.3	13.0	13.5-14 Sand to large quartz granules pinkish silty clay.
28	30	32	120.0	1.43	2.45	76.6	75.3	
30	32	19	132.5	0.33	0.62	32.9	19.2	14-15.5 Sand to quartz granules, pinkish to white silty clay.
32	34	30.5	89.3	1.32	1.68	55.2	51.7	
34	36	19	94.7	0.68	0.92	48.4	28.3	15.5-16 Quartz sand to large granules and small wash, medium wash.
36	37	8	115.0	0.09	0.15	18.5	9.1	
37	38	23	104.8	0.12	0.18	7.8	7.8	16-20.5 Quartz sand to large granules and small wash.
								20.5-22 Quartz sand to large granules, pinkish to yellow silty clay, organic silts with wood.
								22-24 Quartz and to large granules, wood yellow silty clay.
								24-25 Quartz sand-large granules and wash, little grey clay.

* Denotes - "Floater" Sample.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 34.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 424.2 litres

Grade 1 at 34.8 m 20 g SnO2/m³

Total recovered tin 12.2 g SnO2

Grade 2 at 34.8 m 20 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5459120 mN DRILLING METHOD Percussion HOLE No. ELP 24
 SURFACE R.L. 72.4 m BASEMENT R.L. 37.4 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER A Groves SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 17-23 Sept. 82

Section From m	Section To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								25-29 Quartz sand-large granules and angular wash, medium wash.
								29-30 Quartz sand, minor grey silty clay, rare medium wash
								30-31 Quartz sand-large granules.
								31-32 Quartz sand large granules, medium-large wash, minor grey silty clay.
								32-33 Quartz sand large granules, small rounded wash, large wash, grey sandy clay.
								33-34.8 Quartz sand and granules, medium and large wash, grey sandy clay or silty clay.
								34.8-38 Decomposed granite.
								0-20 Heavy Mineral Observations - Ilmenite, monazite.
								20-30 Ilmenite, pyrite.
								30-32 Pyrite.
								32-36 Pyrite, cassiterite present - coarse.
								36-38 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 34.8 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 424.2 litres Grade 1 at m g SnO2/m³
 Total recovered tin 12.2 g SnO2 Grade 2 at 34.8 m 20 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400mE. 5458960mN DRILLING METHOD Percussion HOLE No. EIP.23.....
 SURFACE R.L. 73.7m BASEMENT R.L. 37.5m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7litres PAGE 1 of 2.....
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 13-20 Sept.82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	20	126.2	0.07	0.13	6.3	3.9	0-1.5 Dark brown humic silts, hard sand, plant material.
2	4	16.5	127.5	1.04	1.89	114.8	58.2	
4	6	32.5	120.6	2.19	3.77	116.1	115.8	1.5-3 Hard grey silt, sand.
6	8	20.5	109.8	0.84	1.32	64.3	40.5	3-4 Hard grey silt, quartz grits and sand.
8	10	14	130.0	0.98	1.82	130.0	55.9	
10	12	21*	143.2	0.14	0.29	13.6	8.8	4-5 Quartz grits, sands, some brown silt.
12	14	24*	120.7	0.08	0.14	5.8	4.2	
14	16	31*	129.7	0.87	1.61	52.0	49.5	5-7 Coarse quartz granules, sands, brown silt.
16	18	33*	109.9	1.45	2.28	68.9	69.9	
18	20	46	102.0	1.02	1.49	32.3	32.3	7-8 Coarse quartz granules, sands, brown, small wash.
20	22	23.5	132.0	0.26	0.49	20.9	15.1	
22	24	26.5	137.7	0.13	0.26	9.7	7.9	8-9 White silty clay, coarse granules.
24	26	32	132.8	0.09	0.17	5.3	5.2	9-11 Clayey silt, quartz granules.
26	28	33*	107.2	0.81	1.24	37.6	38.1	11-12 Clayey silt, quartz granules, sand lumps of hard gritty clay.
28	30	19*	86.7	0.74	0.92	48.2	28.1	
30	32	24*	92.9	0.24	0.32	13.3	9.8	12-15 Mottled brown to pinkish impure silts.
32	34	32*	124.6	0.07	0.12	3.9	3.8	
34	36	39	112.1	0.10	0.16	4.1	4.9	15-16 Sands, small angular quartz wash, minor white clay.
36	37	7.5*	88.9	0.08	0.10	13.6	6.2	
37	38	15.5*	127.3	0.05	0.09	5.8	5.6	16-17.5 White silty quartz granules and sand.
38	39	17*	120.0	0.05	0.09	5.0	5.2	17.5-24 Clear quartz grits, sand, minor small wash.
								24-26 Light Brown silty grits and sand.
								26-27 Light brown silty grits and sand, little wash.
								27-28 Brown silty grits, medium-large wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 36.2m

Grade from surface to inferred basement

Total recovered volume, surface to basement 481.7litres

Grade 1 atm g SnO2/m³

Total recovered tin 18.7g SnO2

Grade 2 at 36.2m 31g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE. 5458960 mN DRILLING METHOD Percussion HOLE No. ELP. 23
 SURFACE R.L. 73.7 m BASEMENT R.L. 37.5 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 13-20 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								28-30 Sand and quartz granules, small quartz wash, medium to large quartz and siltstone wash, white silty clay.
								30-32 Sand and quartz granules, medium wash, yellow and white silty clay.
								32-35.7 Sand and quartz granules, small angular quartz wash, medium to large wash, white and grey silty clay.
								35.7-39 Decomposed granite.
								Heavy Minerals - Observations by Sample Washer.
								0-26 m Ilmenite and monazite.
								26-30 m Ilmenite and pyrite.
								30-3g m Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 36.2 m Grade from surface to inferred basement
 Total recovered volume, surface to basement 481.7 litres Grade 1 at m g SnO2/m³
 Total recovered tin 18.7 g SnO2 Grade 2 at 36.2 m 31 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE 5457800 mN DRILLING METHOD Percussion HOLE No. ELP 22
 SURFACE R.L. 73.8 m BASEMENT R.L. 38.1 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 10-17 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	24.5	112.2	0.10	0.16	6.5	4.9	0-1 Top soil, quartz grits and sand.
2	4	28	122.9	0.18	0.32	11.3	9.7	1-2 Quartz grits and sands, grey silty clay brown cement.
4	6	31.5	114.0	0.15	0.24	7.8	7.5	2-3 Quartz grit and sands, grey silty clay.
6	8	25	137.3	0.13	0.25	10.2	7.8	
8	10	39	124.2	7.40	13.13	336.7	403.1	3-4 Quartz grits and sands.
10	12	15	130.0	0.87	1.62	107.7	49.6	
12	14	21.5*	120.6	0.33	0.57	26.4	17.5	4-5 Quartz granules, sand, minor white silty clay.
14	16	29.5	131.4	0.26	0.49	16.5	15.0	
16	18	33.5*	131.0	1.08	2.02	60.3	62.1	5-7 Quartz granules, sand.
18	20	28	116.0	1.62	2.68	95.9	82.4	
20	22	29*	125.2	1.34	2.40	82.6	73.6	7-10 Quartz granules, sand, small angular quartz wash, white clay (minor amount).
22	24	39.5*	130.0	0.89	1.65	41.8	50.8	
24	26	35*	125.4	0.75	1.34	38.4	41.3	10-12 As above no white clay.
26	28	45*	109.8	1.27	1.99	44.3	44.3	12-13 Quartz granules and sands, a little white clay.
28	30	24*	88.8	1.00	1.27	52.9	39.0	13-14 Quartz granules and sands, white clay.
30	32	15*	90.0	0.83	1.07	71.1	32.8	
32	34	16*	125.9	0.20	0.36	22.5	11.0	14-15 Quartz granules and sands.
34	36	19*	86.4	0.16	0.20	10.4	6.1	
36	37	7.5*	114.1	0.08	0.13	17.4	8.0	15-16 Quartz granules and sands, small angular quartz wash.
37	38	11*	100.7	0.13	0.19	17.0	11.5	
38	39	23*	123.2	0.13	0.23	9.9	9.9	16-17 Quartz granules minor sand and white silt.
								17-19 Quartz granules, minor sand and white silt, small-medium wash.
								19-21 Quartz granules, sand, minor wash.
								21-26 Silty quartz sand and granules.
								26-28 White clayey silt, quartz grit and wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 35.7 m

Total recovered volume, surface to basement 487.5 litres

Total recovered tin 32.31 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at m g SnO2/m³

Grade 2 at 35.7 m 55 g SnO2/m³

604271

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5784.00 mE 5488.00 mN DRILLING METHOD Percussion HOLE No. ELP 22
 SURFACE R.L. 73.8 m BASEMENT R.L. 38.1 m CUTTING SHOE 161 mm THEORETICAL BIT DIAMETER 40.7 mm VOLUME 40.7 litres PAGE 2 of 2
 DRILLER T. King SAMPLE WASHER S. MOORE ASSAY METHOD XRF GEOLOGIST R. Munro DATE 10-17 Sept. 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample
								28-29 White silty grits and wash.
								29-32 Sands and quartz granules, medium and large wash, yellow silty clay,
								32-35.7 Sands and quartz granules, medium wash grey and occasionally yellow clays.
								37.5-39 Decomposed granite.
								<u>Heavy Minerals - as observed by Sample Washer</u>
								all tin - fine to very fine - grain size.
								0-28 Ilmenite and monazite.
								28-32 Ilmenite and pyrite.
								32-39 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 35.7 m
 Total recovered volume, surface to basement 487.5 litres
 Total recovered tin 32.31 g Sn02

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g Sn02/m³
 Grade 2 at 35.7 m 55 g Sn02/m³

604272

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Eastern Leads COLLAR CO-ORDINATES...578400.....mE.5458480.....mN DRILLING METHOD..Percussion.. HOLE No..ELP..21.....
 SURFACE R.L.....75.0.....m BASEMENT R.L.....33.8.....m CUTTING SHOE/
 BIT DIAMETER.....161 mm THEORETICAL VOLUME.....40.7.....litres PAGE...1...of...2.....
 DRILLER..G. Selby..... SAMPLE WASHER..S. Moore..... ASSAY METHOD..XRF..... GEOLOGIST..R. Munro..... DATE..31/8 to.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	17	80.8	0.09	0.10	6.1	3.2	0-1 Plant material, dark grey silt and grit.
2	4	25	90.0	0.08	0.10	4.1	3.2	
4	6	16	84.3	1.46	1.76	109.9	53.9	1-2 Brown silty fine sand.
6	8	18	83.0	2.30	2.73	151.5	83.7	2-3 Tenaceous gritty and soft pure light brown clay.
8	10	35	80.0	1.93	2.21	63.0	67.7	
10	12	27	81.2	0.69	0.80	29.6	24.6	3-5 Soft pure sticky light brown clay.
12	14	28	107.0	0.18	0.28	9.8	8.5	5-8 Coarse quartz granules, white silt sand.
14	16	28	86.8	0.04	0.05	1.8	1.5	
16	18	23	102.5	0.01	0.01	0.6	0.5	8-10 Clear quartz granules coarse, sand.
18	20	22	98.1	0.33	0.46	21.0	14.2	10-14 Light brown silty quartz granules and sand.
20	22	31.5	118.8	1.19	2.02	64.1	62.0	
22	24	24*	104.7	0.69	1.03	43.0	31.7	14-15 Moderately tenaceous light brown clay, also gritty clay.
24	26	42.5	145.0	0.74	1.53	36.1	36.1	
26	28	39*	113.6	0.95	1.54	39.5	47.3	15-18 Grey-brown tenaceous clays.
28	30	26.5*	117.6	1.52	2.55	96.4	78.4	18-19 Light brown silty sands and granules.
30	32	23	109.8	0.73	1.15	49.8	35.2	19-20 Sand, granules and white gritty clay.
32	34	26.5*	129.5	0.16	0.30	11.2	9.1	20-21 Quartz grit, sand, occasional wash pebbles some birdseye wash.
34	36	27*	119.6	0.09	0.15	5.7	4.7	
36	38	22*	107.3	0.66	1.01	46.0	31.1	21-24 Coarse grit and white silty sands.
38	40	26*	116.7	0.21	0.35	13.5	10.8	24-27 Medium grits, white silty sand.
40	42	23*	104.0	0.16	0.24	10.3	7.3	27-29 White clayey grit and sand.
42	42.1	7.5*	116.0	0.08	0.13	17.7	31.9	29-30 White clayey grit and sand, minor wash.
								30-32 Clean medium sand and quartz granules.
								32-33 Silty sands and grits.
								33-35 Clayey sands and quartz grits, rare wash.

* Denotes " Floater Sample ".

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....41.2.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement.....540.8.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....20.50.....g SnO2

Grade 2 at41.2.....m31.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Eastern Leads COLLAR CO-ORDINATES...578400.....mE..5458480.....mN DRILLING METHOD...Percussion.. HOLE No..ELP..21.....
 SURFACE R.L....75.0.....m BASEMENT R.L...33.8.....m CUTTING SHOE/
 BIT DIAMETER...161 mm..... THEORETICAL VOLUME.....40.7.....litres PAGE..2.....of.....2.....
 DRILLER...G. Selby..... SAMPLE WASHER...S. Moore.. ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE 31/8 to

Section From m To m		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								35-37 Clayey sands and quartz grits, rare wash.
								37-40 Quartz grits, sand, minor brown silt.
								40-41.2 Silty and clayey yellow grits and sand.
								41.2-42.1 Granite basement grading to fresh rock.
								<u>Sample Washers Heavy Mineral Descriptions</u>
								Tin content - See assay results;
								0-14 Monazite, ilmenite.
								14-32 Ilmenite, monazite.
								32-36 Ilmenite, pyrite.
								36-42.1 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at.....41.2.....m
 Total recovered volume, surface to basement.....540.8.....litres
 Total recovered tin.....20.50.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%
 Grade from surface to inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at41.2.....m31.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 578400 mE... 5458320 mN DRILLING METHOD... Percussion HOLE No. ELP 20
 SURFACE R.L. 76.7 m BASEMENT R.L. 34.7 m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7 litres PAGE... 1 of... 2
 DRILLER... T. King SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 30/8 to 9/9 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	2	13	94.5	0.03	0.04	3.1	1.2	0-1	Humic silty coarse sand, plant material.
2	4	28	107.6	1.48	2.27	81.3	69.9	1-2	Gritty brown sand.
4	6	16	150.0	0.03	0.06	4.0	2.0	2-4	Brown silty sand and grit.
6	8	5*	112.0	0.03	0.05	9.6	1.5	4-5	Moderately tenaceous light brown slightly gritty clays.
8	10	18.5*	102.0	0.20	0.29	15.8	9.0		
10	12	29	105.5	1.32	1.99	68.0	61.1	5-9	Grey brown moderately tenaceous clay.
12	14	43	120.7	0.77	1.33	30.9	30.9	9-11	Sandy and brown silty quartz grits.
14	16	24.5	131.6	0.16	0.30	12.3	9.2	11-12	Light brown silty sands, granules and a little gritty white clay.
16	18	23	126.3	0.06	0.11	4.7	3.3		
18	20	21.5	108.1	0.15	0.23	10.8	7.1	12-13	Clear quartz grit, a little sand.
20	22	25*	82.8	0.98	1.16	46.4	35.6	13-15	White gritty clay, grit and sand.
22	24	21*	111.5	0.17	0.27	12.9	8.3	15-16	White silty grit and sands.
24	26	15.5*	109.0	0.09	0.14	9.0	4.3	16-18	White clays grit and sand.
26	28	27.5*	105.3	0.27	0.41	14.8	12.5	18-19	White silty grits and sand, minor white clay.
28	30	15	114.0	0.29	0.47	31.5	14.5		
30	32	26	107.8	1.21	1.86	71.7	57.2	19-22	Quartz grit, sub-rounded wash, minor silt.
32	34	9	124.0	0.89	1.58	175.2	48.4		
34	36	26.5	117.8	0.71	1.19	45.1	36.7	22-24	Quartz granules, small-medium wash, sand.
36	38	27	124.9	0.13	0.23	8.59	7.1		
38	40	31.5	120.0	0.29	0.50	15.8	15.3	24-26	Quartz granules, sand.
40	42	25.5	118.6	0.26	0.44	17.3	13.5	26-30	Quartz granules, sand white silt.
42	43	11.5	127.0	0.09	0.16	14.2	10.0	30-31	Silty granules and sands, medium wash.
43	44	15	109.3	0.07	0.11	7.3	6.7	31-33	Light brown clayey wash and quartz, granules.
44	45	20.5	128.6	0.08	0.15	7.2	7.2		
								33-34	Light brown large clayey wash and quartz granules.
								34-36	Brown gritty and sandy silty, medium wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 42 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... 471 litres

Grade 1 at m g SnO2/m³

Total recovered tin... 14.34 g SnO2

Grade 2 at... 42 m 22 g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578400 mE. 5458320 mN DRILLING METHOD Percussion HOLE No. ELP. 20
 SURFACE R.L. 76.7 m BASEMENT R.L. 34.7 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 30/8 to 9/9 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								36-38 As above, also brown gritty clay.
								38-39 As above, less wash pebbles.
								39-40 Coarse sand and brown silt.
								40-41 Brown silty grits and coarse sand, wash.
								41-42 White clayey grit and sand, minor wash.
								42-45 Grey green brown decomposed granite.
								<u>Sample Washers Heavy Mineral Description;</u>
								0-2 Monazite, ilmenite.
								2-4 Small amount tin, monazite, ilmenite.
								4-8 Ilmenite, monazite.
								8-10 Trace tin, ilmenite, monazite.
								10-12 Small amount of tin, ilmenite, monazite.
								12-16 Trace tin, ilmenite, monazite.
								16-18 Ilmenite, monazite.
								18-30 Trace tin, ilmenite, monazite.
								30-34 Small amount tin, ilmenite, monazite.
								34-40 Trace tin, ilmenite, pyrite.
								40-42 Trace coarse tin, pyrite.
								42-45 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Drillers reported basement at 42 m
 Total recovered volume, surface to basement 471 litres
 Total recovered tin 14.34 g SnO2
 Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at 42 m 22 g SnO2/m³
 Grade 2 at 42 m 22 g SnO2/m³

604276

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern leads COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD Percussion HOLE No. ELP.19
 SURFACE R.L. 74.5 m BASEMENT R.L. - m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 1
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 24-30 Aug 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	2	10.5	127.6	0.05	0.09	8.7	2.8	0-1	Brown-yellow gritty clay.
2	4	13.5	140.5	0.02	0.04	3.0	1.2	1-2	Gritty white-yellow-tenaceous clay.
4	6	17	131.2	0.01	0.02	1.1	0.6	2-4	Silty sand and grit.
6	8	13.5*	113.2	0.05	0.08	6.0	2.5	4-5	Silty light yellow-brown grit.
8	10	9	110.0	0.92	1.45	160.6	44.4	5-8	Tenaceous white gritty clay.
10	12	25	110.9	0.93	1.47	58.9	45.2	8-9	Silty white sand and grit.
12	14	23	91.7	0.22	0.29	12.5	8.9	9-12	White sand and grit.
14	16	26*	91.0	0.02	0.03	1.0	0.8	12-13	Light brown-grey gritty silt.
16	18	13*	100.9	0.03	0.04	3.3	1.3	13-19	Grey-brown tenaceous slightly organic silty clays.
18	20	17.5	119.9	0.02	0.03	2.0	1.1		
20	21	13	136.4	0.02	0.04	3.0	2.4	19-21	As above with quartz grits. Hole terminated on silcrete boalder.
<u>Sample Washers H. M. Descriptions:</u>									
0-8 Monazite, ilmenite.									
8-14 Trace tin, monazite, ilmenite.									
14-21 Pyrite (with ilmenite 16-18).									
* Denotes "Floater Sample".									

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to ~~inferred basement~~ 21 m

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....3.58.....g SnO2

Grade 2 at21.....m 10..... g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Eastern...Leads COLLAR CO-ORDINATES...578800.....mE...5457480.....mN DRILLING METHOD...Percussion... HOLE No. ELP 18
 SURFACE R.L...75.9.....m BASEMENT R.L...37.0.....m CUTTING SHOE/ BIT DIAMETER...161 mm THEORETICAL VOLUME...40.7.....litres PAGE...1 of 2
 DRILLER...G. Selby..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF... GEOLOGIST...R. Munro... DATE...20-31 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	17	104.1	0.05	0.07	4.4	2.3	0-1 Hunic sands and quartz grit.
2	4	17.5	119.1	0.02	0.03	1.9	1.0	1-3 Gritty yellow clays.
4	6	12	89.1	0.03	0.04	3.2	1.2	3-4 Tenaceous pure mottled white-yellow-grey clays.
6	8	10*	97.3	0.06	0.08	8.3	2.6	
8	10	22.5*	120.0	1.76	3.02	134.1	92.6	4-5 Tenaceous pure white slightly silty clay.
10	12	31.5	105.2	0.92	1.38	43.9	42.5	
12	14	19	116.1	0.28	0.46	24.4	14.3	5-7 Same as 4-5 but yellow-brown colour.
14	16	18	114.1	0.13	0.21	11.8	6.5	7-8 Yellow brown clays, lands of silty iron cemented sand.
16	18	29*	113.5	0.03	0.05	1.7	1.5	
18	20	31.5	125.5	0.03	0.05	1.7	1.7	8-9 Clayey brown sands and grits.
20	22	15.5	114.8	0.02	0.03	2.1	1.1	9-13 Quartz grit and sand.
22	24	18*	101.2	0.07	0.10	5.6	3.1	13-14 Coarse and fine sand, grits, white silt, rare small pebbles.
24	26	13.5*	99.9	0.12	0.17	12.7	5.3	
26	28	32*	122.2	0.09	0.16	4.9	4.8	14-15 Slightly silty sands and grits.
28	30	18.5*	120.6	0.06	0.11	6.1	3.4	15-18 Sands, grits, white moderately tenaceous gritty clay.
30	32	20.5*	105.9	0.05	0.08	3.7	2.3	
32	34	41.5	120.0	0.26	0.45	10.7	10.7	18-20 White clay.
34	36	28*	93.8	0.34	0.46	16.3	14.0	20-21 Quartz grit and sand.
36	38	28*	98.1	0.15	0.21	7.5	6.5	21-22 Coarse and fine sand, grey organic silt.
38	39	10*	111.9	0.10	0.16	16.0	9.8	22-23 Grey organic soft silty clay.
39	40	8.5*	109.0	0.07	0.11	12.8	6.7	23-24 Sandy yellow clay.
								24-28 Mottled white-yellow clay, minor grit
								28-29 Silty, coarse yellow sand.
								29-33 Slightly gritty brown to white clay.
								33-34 Quartz grits and minor brown silt.
								34-36 White clayey grits and wash.
								36-37 Yellow gritty clays, iron cemented sandstonewash, rare birdseye wash.

* Denotes "Flotation Sample".

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....37.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....409.5.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....7.43.....g SnO2

Grade 2 at37.0.....m12.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578800 mE 5457480 mN DRILLING METHOD Percussion HOLE No. ELP 18
 SURFACE R.L. 75.9 m BASEMENT R.L. 37.0 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 20-31 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								37-40 White-yellow decomposed granite basement.
								<u>Sample Washers H. M. Description:</u>
								0-8 Monazite, ilmenite.
								8-10 Small amount of tin, ilmenite, monazite.
								10-14 Trace tin, ilmenite, monazite.
								14-22 Monazite, ilmenite.
								22-24 Pyrite.
								24-26 Ilmenite, pyrite.
								26-32 Monazite, ilmenite.
								32-34 Trace of tin, ilmenite, monazite.
								34-38 Trace of tin, ilmenite, pyrite.
								38-40 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 37.0 m Grade from surface to Inferred basement
 Total recovered volume, surface to basement 409.5 litres Grade 1 atm g SnO2/m³
 Total recovered tin 7.43 g SnO2 Grade 2 at 37.0 m 12. g SnO2/m³

604279

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 578800.....mE. 5457160.....mN DRILLING METHOD... Percussion... HOLE No. ELP... 17.....
 SURFACE R.L. 75.4.....m BASEMENT R.L. 35.6.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7.....litres PAGE... 1...of... 2.....
 DRILLER... T. King SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 10-23 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSn02	Grade 1 gSn02/m ³	Grade 2 g Sn02/m ³	Description of Sample	
0	2	14	99.5	0.11	0.16	11.2	4.8	0-1	Brown humic silt, minor quartz gravel.
2	4	22	111.7	0.03	0.05	2.2	1.5		
4	6	22.5	130.0	0.02	0.04	1.7	1.1	1-2	Yellow brown gritty clays.
6	8	22	126.5	0.02	0.04	1.6	1.1	2-4	Stiff white slightly gritty clay.
8	10	23.5	103.8	0.05	0.07	3.2	2.3	4-7	Light brown silty sand and grit.
10	12	21.5	101.6	0.01	0.01	0.7	0.5	7-10	Sand and quartz granules, also 30% tough white gritty clay.
12	14	20*	114.8	0.02	0.03	1.6	1.0		
14	16	19*	120.9	0.05	0.09	4.6	2.7	10-11	Moderately tenaceous gritty white silty clay.
16	18	22.5	105.3	0.06	0.09	4.0	2.8		
18	20	27*	115.3	0.09	0.15	5.5	4.6	11-15	Soft pure, white and gritty clay.
20	22	11	99.9	0.22	0.31	28.5	9.7	15-16	White gritty clay, sand, grit.
22	24	32.5	112.9	0.30	0.48	15.0	14.9	16-17	Clear quartz, sand and granules.
24	26	40	93.3	0.26	0.35	8.7	10.6	17-19	Silty sand, some quartz granules.
26	28	17.5	100.0	0.19	0.27	15.5	8.3	19-20	White sandy clay.
28	30	23*	102.2	0.90	1.31	57.1	40.3	20-21	Silty clay, sand and quartz granules.
30	32	28*	110.0	1.27	2.00	71.3	61.3	21-24	Slightly clayey sands and grit.
32	34	18.5*	110.0	1.09	1.71	92.6	52.6	24-25	Silty sands and grit.
34	36	24.5*	115.5	0.21	0.35	14.2	10.6	25-27	Clayey coarse sands and grit.
36	38	18*	96.0	0.09	0.12	6.9	3.8	27-28	Sandy soft white clay.
38	40	10*	100.0	0.05	0.07	7.1	2.2	28-29	Clayey sand, minor small wash.
40	41	8*	98.9	0.07	0.10	12.4	6.1	29-30	White slightly clayey sands and grits, rare wash.
41	42	11*	110.3	0.08	0.13	11.5	7.7		
42	43	25*	120.7	0.09	0.16	6.2	6.2	31-33	Silty coarse sand and granules.
								33-34	Yellow clayey wash.
								34-35	Yellow brown sands and silt, some coarse grit.
								35-37	Medium yellow brown sand and silt, some quartz grit, rare wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at... 39.8.....m

Total recovered volume, surface to basement... 436.....litres

Total recovered tin... 8.09.....g Sn02

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 atm g Sn02/m³

Grade 2 at 39.8 m 12 g Sn02/m³

604280

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Eastern..Leads COLLAR CO-ORDINATES..578800.....mE...5457160.....mN DRILLING METHOD..Percussion.. HOLE No...ELP...17.....
 SURFACE R.L. 75.4m BASEMENT R.L. 35.6m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7litres PAGE...2...of.....2...
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 10-23 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn.	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								37-38 Soft white gritty clay, yellow-brown sands and silt, medium wash.
								38-39 Soft white-grey clay, decomposed wash pebbles, and wash.
								39-39.8 Brown silt, grey gritty clays wash up to large pebble size.
								39.8-43 Grey-green decomposed granite.
<u>Sample Washers Heavy Mineral Description</u>								
								0-20 Ilmenite, monazite.
								20-30 Trace of tin, ilmenite, monazite.
								30-34 Small amount of tin, ilmenite, monazite.
								34-36 Trace of tin, pyrite.
								36-43 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 39.8 m
 Total recovered volume, surface to basement 436 litres
 Total recovered tin 8.09 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to Inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at 39.8 m 12 g SnO2/m³

604281

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578800 mE 5457320 mN DRILLING METHOD Percussion HOLE No ELP 16
 SURFACE R.L. 75.0 m BASEMENT R.L. 30.2 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 9-20 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	15	96.9	0.05	0.07	4.6	2.1	0-1 Humic and brown gritty silty.
2	4	15	112.2	0.02	0.03	2.1	1.0	1-2 Tenaceous white silty clay and
4	6	20	94.1	0.04	0.05	2.7	1.7	gritty sand, tenaceous yellow clay.
6	8	21.5	94.0	0.05	0.07	3.1	2.1	2-4.5 Tenaceous silty white clay.
8	10	24	112.7	0.04	0.06	2.7	2.0	4.5-6 Slightly silty quartz sand and
10	12	32	98.8	0.05	0.07	2.2	2.2	grits, minor white gritty clay.
12	14	25.5	101.2	0.04	0.06	2.3	1.8	6-8 Pure white tenaceous clay.
14	16	15	114.9	0.04	0.07	4.4	2.0	8-10 Pure white clay silty grits.
16	18	14.5	112.0	0.05	0.08	5.5	2.5	10-12 Tenaceous gritty white clay.
18	20	35*	103.1	0.18	0.27	7.6	8.1	12-13 Quartz sand and a few quartz granules.
20	22	30.5*	103.7	0.32	0.47	15.5	14.6	13-14 White silty sand and quartz granules.
22	24	28	91.8	0.30	0.39	14.0	12.1	14-18 As above with 40% white tenaceous
24	26	36	101.7	0.70	1.02	28.3	31.2	silty clay.
26	28	18.5	111.7	0.22	0.35	19.0	10.8	18-20 Soft white gritty clay.
28	30	35.5	103.0	0.85	1.25	35.2	38.4	21-23 Quartz sand and granules.
30	32	29	86.1	0.22	0.27	9.3	8.3	23-25 White clay, sand and grit.
32	34	12.5	92.0	0.76	1.00	79.9	30.7	25-29 Large quartz granules, sand, minor
34	36	13*	109.7	0.30	0.47	36.2	14.4	silt.
36	38	17*	105.3	0.99	1.49	87.6	45.7	29-32 Clear sand and quartz granules,
38	40	22*	93.4	1.24	1.65	75.2	50.8	angular quartz wash, minor white
40	42	30*	86.7	0.74	0.92	30.6	28.1	clay, minor sandstone wash.
42	44	40.5*	119.3	0.25	0.43	10.5	13.1	32-33 Sands, white sticky clay.
44	46	29*	137.5	0.13	0.26	8.8	7.8	33-34 White silty, gritty white clay,
46	47	16*	127.9	0.07	0.13	8.0	7.9	soft wash pebbles.
47	48	16.5*	110.0	0.09	0.14	8.6	8.7	34-35 Gritty clay, sand, moderate quartz
								of wash.
* Denotes	"Floater"	sample						35-37 Similar to above greyish gritty clay,
								little wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 44.8 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 54.2 litres

Grade 1 at m g SnO2/m³

Total recovered tin 11.07 g SnO2

Grade 2 at 44.8 m 15 g SnO2/m³

604282

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 578800.....mE 5457320.....mN DRILLING METHOD Percussion HOLE No. ELP 16
 SURFACE R.L. 75.0.....m BASEMENT R.L. 30.2.....m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7.....litres PAGE 2.....of.....2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 2-20 Aug 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								37-38 L. Brown silty grits, rare wash.
								38-39 Yellow-brown silty granules and sand.
								39-41 Clayey coarse yellow-brown sand.
								41-44.8 Clayey coarse sand, soft yellow clay, quartz granules, minor small wash.
								44.8-48 Decomposed granite basement.
								Sample Washers Heavy Mineral Description
								0-2 Ilmenite, monazite.
								2-4 Trace ilmenite.
								4-8 Ilmenite, monazite.
								8-18 Monazite, ilmenite.
								18-22 Trace of tin, ilmenite, monazite.
								22-30 Trace of tin, monazite, ilmenite.
								30-34 Trace of tin, ilmenite, monazite.
								34-36 Trace of tin, ilmenite, pyrite.
								36-42 Small amount of coarse tin, ilmenite, pyrite.
								42-46 Fine trace of tin, pyrite.
								46-48 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 44.8.....m
 Total recovered volume, surface to basement 542.....litres
 Total recovered tin 11.07.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at 44.8.....m 15.....g SnO2/m³

604283

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 579215.....mE... 5457565.....mN DRILLING METHOD... Percussion. HOLE No... ELP... 15.....
 SURFACE R.L. 74.8.....m BASEMENT R.L. 51.5.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7.....litres PAGE... 1...of... 2.....
 DRILLER... T. King..... SAMPLE WASHER... S. Moore ASSAY METHOD... XRF..... GEOLOGIST... R. Munro..... DATE... 4-10 Aug 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	14.5	92.3	0.24	0.28	19.1	8.5	0-1 Hunic silts, quartz granules and sand.
2	4	11.5	104.4	0.10	0.15	13.0	4.6	1-3 Yellow brown gritty silt (cemented).
4	6	20	104.5	0.06	0.09	4.5	2.8	3-4 Yellow silty fine sand.
6	8	15	95.2	0.05	0.07	4.5	2.1	4-5 White slightly gritty moderatley tenaceous clay.
8	10	21.5	121.0	0.09	0.16	7.2	4.8	
10	12	19	82.3	0.11	0.13	6.8	4.0	5-6 White silty tenaceous clay.
12	14	19	108.3	0.20	0.31	16.3	9.5	6-7 Silty sand with some white impure clays.
14	16	13	116.5	0.08	0.13	10.2	4.1	
16	18	39	102.1	0.66	0.10	24.7	29.6	7-8 Clayey and silty quartz granules, sand.
18	20	25.5	81.7	0.24	0.28	10.9	8.6	8-9 Tenaceous slightly, impure white clays.
20	22	20	103.6	0.06	0.09	4.5	2.7	9-12 Slightly silty quartz sand and grits.
22	24	25*	86.0	0.91	1.12	44.7	34.3	12-13 Clear quartz granules and sand.
24	25	8.5*	93.5	0.27	0.36	42.4	22.2	13-14 Slightly clayey quartz sand.
25	26	15.5*	90.5	0.11	0.14	9.1	8.7	14-15 Very gritty with moderatley tenaceous clay, sand.
26	27	11.5*	112.9	0.06	0.10	8.4	5.9	15-16 White soft clay.
								16-19 Slightly silty quartz sand and granules.
								19-20 60% Soft clayey grits, rest quartz granules and sand.
								20-21 Soft lightly yellow-brown clayey grits and sand.
								21-23.3 Quartz granules and sand, some yellow clayey silt.
								23.3-27 Decomposed granite.
* Denotes "Floater Sample".								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 23.3.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement... 234.....litres

Grade 1 atm g SnO2/m³

Total recovered tin... 3.51.....g SnO2

Grade 2 at ... 23.3.....m 11.....g SnO2/m³

604284

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 579215.....mE... 5457565.....mN DRILLING METHOD Percussion... HOLE No... ELP... 15.....
 SURFACE R.L. 74.8m BASEMENT R.L. 51.5m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7litres PAGE... 2...of... 2...
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 4-10 Aug 82..

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								Sample Washer's Heavy Mineral Description.
								0-2 Trace tin, ilmenite, monazite.
								2-16 Monazite, ilmenite.
								16-20 Fine trace of tin, ilmenite, monazite.
								20-22 Ilmenite, monazite.
								22-24 Trace of tin, ilmenite, monazite.
								24-25 Fine trace of tin, ilmenite, monazite.
								25-27 Ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at... 23.3m
 Total recovered volume, surface to basement... 23.4litres
 Total recovered tin... 3.51g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at ... 23.3m 11g SnO2/m³

604285

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 579222mE... 5457643mN DRILLING METHOD... Percussion... HOLE No. ELP 14
 SURFACE R.L. 75.0m BASEMENT R.L. 51.0m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7litres PAGE... 1of... 2
 DRILLER... G. Selby SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 2-9 August 82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	0	17.5	109.4	0.14	0.22	12.5	6.7	0-1 Milky white quartz granules, clear quartz granules, sand grey humic silts.
2	4	23.5	110.5	0.05	0.08	3.4	2.4	
4	6	28	100.0	0.09	0.13	4.4	4.0	1-2 Gritty brown silts.
6	8	29	119.3	0.14	0.24	8.2	7.3	2-3 Yellow silty quartz granules and sand.
8	10	21	94.8	0.14	0.19	9.0	5.8	3-8 White sand, quartz granules, minor gritty clay.
10	12	19.5	102.3	0.29	0.42	21.7	13.0	
12	14	22	100.0	0.20	0.29	13.0	8.8	8-11 Fine white-light brown sands and grits.
14	16	24.5	104.1	0.22	0.33	13.4	10.1	11-12 White sand and silt; tenaceous white gritty clay 20%.
16	18	32.5	107.4	2.41	3.70	113.8	113.5	12-13 Coarse and fine sand, light brown silt, quartz granules.
18	20	21.5	85.6	0.86	1.05	48.9	32.3	
20	22	35.5	89.9	1.34	1.72	48.5	52.8	13-14 White clay minor sand and granules.
22	24	28	120.7	3.16	5.45	194.6	167.3	14-15 Pure white clays (50%) gritty white clay (50%).
24	25	1.5	106.8	0.08	0.12	81.4	7.5	
25	26	7.5	93.7	0.28	0.37	49.9	23.0	15-19 Quartz sand and granules.
26	27	12	106.1	0.18	0.27	22.7	16.7	19-20 As above with 40% moderate tenaceous pure clay.
								20-21 Quartz grit and silty sand.
								21-22 Quartz granules, clean quartz sand.
								22-24 Clean quartz granules and sand rare iron cemented particles and severed quartz pebbles (small).
								24-27 Soft decomposed granite.
								<u>Sample Washer's Heavy Mineral Descriptions</u>
								0-2 Very fine trace of tin, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at... 24.0m

Total recovered volume, surface to basement... 302.5litres

Total recovered tin... 14.58g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to Inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at 24 m 37 g SnO2/m³

604286

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 579222 mE 5457643 mN DRILLING METHOD Percussion HOLE No ELP 14
 SURFACE R.L. 75.0 m BASEMENT R.L. 51.0 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 2-9 August 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								2-16 Monazite, ilmenite.
								16-24 Trace-small amount of tin, ilmenite, monazite.
								24-25 Monazite, ilmenite.
								25-26 Trace tin, ilmenite, monazite.
								26-27 Fine trace of tin, ilmenite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 24.0 m
 Total recovered volume, surface to basement 302.5 litres
 Total recovered tin 14.58 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO2/m³
 Grade 2 at 24 m 37 g SnO2/m³

604287

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 579212.....mE... 5457325.....mN DRILLING METHOD... Percussion... HOLE No... ELP 13.....
 SURFACE R.L... 73.6.....m BASEMENT R.L... 30.7.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7.....litres PAGE... 1 of... 2.....
 DRILLER... T. King..... SAMPLE WASHER... S. MOORE ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 26 Jul-4 Aug 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	2	17.5	103.7	0.96	1.42	81.3	43.7	Abb = Qtz = Quartz Gr = Granules (grit)
2	4	20.5	120.8	0.11	0.19	9.3	5.8	S = Sand C = Clay
4	6	21	116.0	0.09	0.15	7.1	4.6	0-.2 Top soil
6	8	20.5	97.0	0.06	0.08	4.1	2.6	.2-1 Qtz S and Gr.
8	10	22	103.8	0.06	0.09	4.0	2.7	1-2 " " " " - cemented, minor C
10	12	27	106.8	0.07	0.11	4.0	3.3	2-4.5 Fine sandy C, coarse S.
12	14	25	114.0	0.13	0.21	8.5	6.5	4.5-8 Silty Gr and S, layers of white
14	16	29	107.9	0.15	0.23	8.0	7.1	Gr - C.
16	18	25	92.8	0.09	0.12	4.8	3.7	8-10 Brown silty Gr and S, layers of
18	20	22	91.0	0.06	0.08	3.6	2.4	tenaceous gritty brown C.
20	22	18	85.4	0.05	0.06	3.4	1.9	10-11 Brown silty Gr and S.
22	24	14	86.2	0.05	0.06	4.4	1.9	11-14 Coarse S, Qtz Gr, white fine S and
24	26	17.5*	100.6	0.04	0.06	3.3	1.8	silt.
26	28	25.5	110.7	0.03	0.05	1.9	1.5	15-15 Coarse and fine S, Gr-80% remainder
28	30	31	102.9	0.06	0.09	2.8	2.7	white Gr C.
30	32	16	93.9	0.14	0.19	11.7	5.8	15-17 Coarse and fine S, Gr.
32	34	18.5	87.8	0.21	0.26	31.0	8.1	17-18 C - S - 5% tough Gr - C - 95%.
34	36	28	98.5	0.25	0.35	12.6	10.8	18-20 Tenaceous white Gr C
36	38	14.5	87.7	0.30	0.38	25.9	11.5	20-21 " " " " -60% C-Gr,
38	40	6.5	83.8	1.06	1.27	195.2	39.0	C-S- 40%.
40	42	20	83.6	1.63	1.95	97.3	60.0	21-22 White C- 80% C- 20%.
42	44	26.5	103.0	14.05	20.67	780.1	634.7	22-23 Soft brown and light brown pure C
44	45	11	94.6	1.97	2.66	242.0	163.5	plus dark brown clayey silt with
45	46	13	94.6	1.12	1.51	116.4	93.0	organic fragments.
								23-25 White C - Silt.
								25-27 Tenaceous very Gr-C, white in colour.
*	Denotes - "Floater Sample."							27-28 C-S and Qtz Gr.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 42.9.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement... 441.....litres

Grade 1 atm g SnO2/m³

Total recovered tin... 32.26.....g SnO2

Grade 2 at 42.9.....m 46.....g SnO2/m³

604288

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA.....Eastern Leads COLLAR CO-ORDINATES.....579212.....mE.....5457325.....mN DRILLING METHOD.....Percussion..... HOLE No.....ELP 13.....
 SURFACE R.L.....73.6.....m BASEMENT R.L.....30.7.....m CUTTING SHOE/ BIT DIAMETER.....161 mm THEORETICAL VOLUME.....40.7.....litres PAGE...2...of...2...
 DRILLER.....T. King..... SAMPLE WASHER.....S. Moore ASSAY METHOD.....XRF..... GEOLOGIST.....R. Munro..... DATE 26 Jul-4 Aug82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								28-29 Silty S and Qtz Gr.
								29-30 Qtz Gr, and S, minor Gr-C.
								30-31.5 Tenaceous, Gr-C; pure C; S
								31.5-33 Silty white clay embedding medium wash.
								33-34 Medium to large Qtz wash minor Gr+S.
								34-36 White, silty coarse S, medium wash.
								36-37 Pure white to yellow white clay.
								Rare wash.
								37-38 Yellow pure tenaceous C.
								38-39 Wash embedded in a soft white C, little S + Gr.
								39-42.9 As above but also light brown clay.
								42.9-46 Yellow to grey decomposed granite.
								<u>Sample Washers Mineralogical Log.</u>
								0-2 Trace fine tin, monazite, ilmenite.
								2-8 Monazite, ilmenite.
								8-10 Pyrite
								10-22 Monazite, Pyrite.
								22-24 Ilmenite, pyrite.
								24-26 Ilmenite, pyrite, monazite.
								26-30 Monazite, ilmenite.
								30-32 Fine trace tin, ilmenite, pyrite.
								32-38 Trace tin, ilmenite, pyrite.
								38-40 Trace of coarse tin, pyrite.
								40-42 Small amount coarse tin, pyrite.
								42-44 Coarse tin, pyrite.
								44-46 Small amount of coarse tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....42.9.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....441.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....32.26.....g SnO2

Grade 2 at 42.9 m 46 g SnO2/m³

604289

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Eastern Leads COLLAR CO-ORDINATES...579209.....mE 5457160.....mN DRILLING METHOD...Percussion... HOLE No...ELP 12...
 SURFACE R.L. 74.5.....m BASEMENT R.L. 35.3.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7.....litres PAGE... 1...of... 2...
 DRILLER...G. Selby... SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 23-30 July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	21	91.6	0.27	0.35	16.8	10.9	Sediment types 1-Sub angular to sub rounded quartz granules and sand. Minor silts present.
2	4	23	115.1	0.04	0.07	2.9	2.0	
4	6	26	86.2	0.06	0.07	2.8	2.3	2 Tenaceous-moderately tenaceous white to off white clays.
6	8	22	100.5	0.03	0.04	2.0	1.3	
8	10	24.5	84.6	0.04	0.05	2.0	1.5	Impurities - G = granules S = Sand St = silt. 0-1.5 Humic material and 1
10	12	18*	109.8	0.02	0.03	1.7	1.0	
12	14	22	99.3	0.02	0.03	1.3	0.9	1.5-3 50% 1 50% 2 (G)
14	16	23*	121.0	0.04	0.07	3.0	2.1	3-6 100% 1
16	18	29*	100.8	0.08	0.12	4.0	3.5	6-9 60% 1 40% 2 (G & S)
18	20	18	87.1	0.02	0.02	1.4	0.8	9-10 100% 1
20	22	28.5	91.9	0.05	0.07	2.3	2.0	10-11 10% 1 90% 2 (S)
22	24	20.5	111.0	0.05	0.08	3.9	2.4	11-13 100% 1
24	26	29.5	119.6	0.08	0.14	4.6	4.2	13-15 100% 2 (Pure)
26	28	23	115.1	0.12	0.20	8.6	6.1	15-16 100% 1 90% 2 (G)
28	30	35.5	97.5	0.29	0.40	11.4	12.4	16-17 90% 1 10% 2 (G)
30	32	22.5	87.2	0.23	0.29	12.7	8.8	17-20 10% 1 90% 2 (G)
32	34	50.5	101.1	0.30	0.43	8.6	8.6	20-23 100% 1
34	36	13	94.7	0.11	0.15	11.5	4.6	23-24 30% 1 70% 2 (G)
36	38	79	117.4	0.95	1.59	20.2	20.2	24-25 20% 1 80% 2 (G)
38	39	16.5*	107.0	0.15	0.23	13.9	14.1	25-26 80% 1 20% 2 (G)
39	40	11*	100.0	0.09	0.13	11.7	7.9	26-28 100% 1
40	41	16*	120.0	0.08	0.14	8.6	8.4	28-29 Clay 1
41	42	14*	97.0	0.10	0.14	9.9	8.5	29-31 Clean 1
								31-33 Clean 1 with occasion small rounded pebbles.
								33-37.7 Pebbles in grey clay matrix
								minor granules and sand.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 39.2.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement... 54.7.....litres

Grade 1 atm g SnO2/m³

Total recovered tin... 4.84.....g SnO2

Grade 2 at ... 39.2.....m 6.....g SnO2/m³

604290

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 579209 mE 5457160 mN DRILLING METHOD Percussion HOLE No. ELP 12
 SURFACE R.L. 74.5 m BASEMENT R.L. 35.3 m CUTTING SHOE/
 BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 23-30 July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								37.7-38.8 Silty sand and pebbles.
								38.8-39.2 Gritty brown - yellow clays
								39.2-42 Decomposed medium grained yellow-brown and grey green granite basement.
Sample Washer's Mineralogical Description								
								0-2 Fine trace tin, monazite, Ilmenite.
								2-34 Monazite, Ilmenite.
								34-36 Very fine trace of tin, pyrite.
								36-39 Trace of tin, ilmenite, pyrite.
								39-42 Ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 39.2 m
 Grade from surface to inferred basement
 Total recovered volume, surface to basement 547 litres
 Grade 1 atm g SnO2/m³
 Total recovered tin 4.84 g SnO2
 Grade 2 at 39.2 m6..... g SnO2/m³

604291

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 5456680 m N 579200 m DRILLING METHOD... Percussion... HOLE No... ELP... 11...
 SURFACE R.L. 73.6 m BASEMENT R.L. 41.1 m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7 litres PAGE... 1 of 2...
 DRILLER... G. Selby SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE... 16-23 July 82.

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	2	21	101.6	0.04	0.06	2.8	1.8	0-1 Quartz coarse sand and granules.
2	4	16.5	94.0	0.02	0.03	1.6	0.8	1-2 Quartz coarse sand and granules.
4	6	18	80.9	0.03	0.03	1.9	1.1	yellow sandy clay.
6	8	31	93.7	0.03	0.04	1.3	1.2	2-3 Quartz coarse sand and granules.
8	10	15	97.1	0.01	0.01	0.9	0.4	yellow and white clay.
10	12	25*	90.6	0.01	0.01	0.5	0.4	3-4 Quartz coarse sand and granules, white
12	14	22	123.9	0.02	0.04	1.6	1.1	clay.
14	16	16	101.3	0.03	0.04	2.7	1.3	4-5 White impure clay (moderate tenaceous)
16	18	18.5	103.6	0.03	0.04	2.4	1.4	little sand, and granules.
18	20	25.5*	109.2	0.02	0.03	1.2	1.0	5-7 Brown silty sand. Granules and minor
20	22	64.5	105.8	0.02	0.03	0.5	0.5	clayey coarse sand.
22	24	15	93.0	0.01	0.01	0.9	0.4	7-9 Brown clayey sands (moderate tenaceous), white gritty clay (tenaceous).
24	26	31.5	108.6	0.02	0.03	1.0	1.0	9-11 White gritty clay and pure white clay (both tenaceous)
26	28	20.5	102.6	0.01	0.01	0.7	0.5	
28	30	21	114.7	0.01	0.02	0.8	0.5	11-12 Pure white clay (tenaceous).
30	32	19.5	102.5	0.14	0.21	10.5	6.3	
32	34	12.5	85.1	0.11	0.13	10.7	4.1	12-13 As for 3-4.
34	36	16	101.5	0.07	0.10	6.3	3.1	13-14 As for 0-1.
36	37	22*	110.7	0.07	0.11	5.0	5.0	14-15 As for 3-4.
								15-17 Pure white clay (moderate tenaceous).
								17-20 White gritty and sandy clay (moderate tenaceous).
								20-21 Silty sands and granules of quartz.
								21-23 Yellow soft clayey granules with sand
								23-25 Soft dark brown silty clay.
								25-29 Granules sand and yellow brown silt.
								29-30 As for 25-29 but also with dark brown clay with organic matter.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 33.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... 391 litres

Grade 1 at m g SnO2/m³

Total recovered tin... 0.98 g SnO2

Grade 2 at ... 33.5 m 2 g SnO2/m³

604292

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5456680 mE 579200 mN DRILLING METHOD Percussion HOLE No. ELP. 11
 SURFACE R.L. 73.6 m BASEMENT R.L. 41.1 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 2 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16-23 July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO ₂	Grade 1 gSnO ₂ /m ³	Grade 2 g SnO ₂ /m ³	Description of Sample
						ii		30-30.5 As above with medium wash (pebbles).
								30.5-32 As above but no clays.
								32-33.5 Medium wash grey silty and clayey granules, sand.
								33.5-37 Greenish medium grained decomposed granite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 33.5 m
 Total recovered volume, surface to basement 391 litres
 Total recovered tin 0.98 g SnO₂

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO₂/m³
 Grade 2 at 33.5 m 2 g SnO₂/m³

604293

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5456840 mN 579200 mE DRILLING METHOD Percussion HOLE No. ELP 10
 SURFACE R.L. 74.4 m BASEMENT R.L. 35.9 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 1
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 16-26 July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	25	94.3	0.10	0.14	5.4	4.1	0 - .5 Sands, granules and humic matter.
2	4	11.5	93.7	0.02	0.03	2.3	0.8	.5 - 1 Yellow and brown clays, iron cemented material.
4	6	18	108.3	0.01	0.02	0.9	0.5	
6	8	15	106.8	0.03	0.05	3.1	1.4	1. - 6.5 Sandy clays.
8	10	18*	102.4	0.04	0.06	3.3	1.8	6.5-13 Pure white clays, layers of sand and granules.
10	12	23.5*	97.2	0.04	0.06	2.4	1.7	
12	14	17.5*	105.5	0.07	0.11	6.0	3.2	13-17.5 Granules, sands, minor white silt.
14	16	23	100.9	0.07	0.10	4.4	3.1	17.5-20.3 White and light brown fine gritty clays, minor sands.
16	18	27	99.6	0.04	0.06	2.1	1.8	
18	20	19.5*	94.1	0.01	0.01	0.7	0.4	20.3-21 As for 13-17.5
20	22	45.5	95.7	0.02	0.03	0.6	0.6	21-22.4 Tenaceous white gritty clay.
22	24	22*	99.3	0.03	0.04	1.9	1.3	22.4-23 Clay, medium sandstone and quartz wash, grit, sand.
24	26	7.5	82.6	0.01	0.01	1.6	0.4	
26	28	22*	92.8	0.02	0.03	1.2	0.8	23-25 Tenaceous yellow to yellow brown almost pure yellow clay.
28	30	18.5*	95.1	0.09	0.12	6.6	3.8	
30	32	43.5	110.0	0.83	1.30	30.0	30.0	25-28.5 Pure blue grey clay.
32	34	19	114.1	0.18	0.29	15.4	9.1	28.5-31 Sand, granules, wash (sometimes decomposed), iron cemented material.
34	36	19*	80.1	0.13	0.15	7.8	4.6	
36	38	42.5	95.3	0.02	0.03	0.6	0.6	31-36.6 Large wash, light brown clay, minor grits.
38	39	13	92.8	0.04	0.05	4.1	3.3	
39	40	12	94.7	0.04	0.05	4.5	3.3	36.6-37.4 Granules, sand, large wash.
40	41	18	102.4	0.06	0.09	4.9	5.4	37.4-37.7 Granite like clayey grits and large wash.
41	42	28	82.3	0.06	0.07	2.5	2.5	37.7-38.5 Granules, sand and minor white silt.
								38.5-42 Decomposed granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 38.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 444 litres

Grade 1 at 38.5 m 4 g SnO2/m³

Total recovered tin 2.90 g SnO2

Grade 2 at 38.5 m 4 g SnO2/m³

604294

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5456520 mN 579600 mE DRILLING METHOD Percussion HOLE No. ELP 9
 SURFACE R.L. 71.5 m BASEMENT R.L. 44.0 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 7-16th July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	24.5	94.2	0.09	0.12	4.9	3.7	0-1 Milky white quartz, granules, grit, sands. Minor brown silt.
2	4	16	98.1	0.01	0.01	0.9	0.4	1-2 Mottled yellow-grey-brown clayey grit.
4	6	18.5	97.8	0.03	0.04	2.3	1.3	2-3 Soft yellow-white gritty clay. Minor granules, grit, sand.
6	8	28	92.8	0.02	0.03	0.9	0.8	3-4 As for 2-3 but clays tougher.
8	10	29	97.9	0.02	0.03	1.0	0.9	4-7 Grit, sand, grey silt. A little tenacious white impure clay.
10	12	20.5	101.9	0.02	0.03	1.4	0.9	7-10 Granules sand and grit
12	14	23	106.8	0.03	0.05	2.0	1.4	10-12 As for 7-10 but white impure clay occasionally present.
14	16	23.5	115.9	0.01	0.02	0.7	0.5	12-13 As for 7-10.
16	18	14.5	84.1	0.02	0.02	1.7	0.7	13-14 Soft clayey grit.
18	20	26.5*	107.7	0.04	0.06	2.3	1.9	14-15 Moderate tenacity gritty white clay.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 27.5 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 349.3 litres

Grade 1 at m g SnO2/m³

Total recovered tin 1.08 g SnO2

Grade 2 at 27.5 m 2 g SnO2/m³

604295

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES.. 5456520.....mN. 579600.....mE DRILLING METHOD... Percussion HOLE No... ELP.. 9.....
 SURFACE R.L.. 71.5.....m BASEMENT R.L... 44.0.....m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7.....litres PAGE... 2... of... 3.....
 DRILLER... T... King..... SAMPLE WASHER... S... MOORE ASSAY METHOD... XRF GEOLOGIST... R... MUNRO..... DATE 7-16th July 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
20	22	48	95.9	0.06	0.08	1.7	1.7	15-16 Soft clayey grit, grey silt.
22	24	29	108.7	0.06	0.09	3.2	2.9	16-19 Moderate tenacity white gritty clay. Layers of grit and sand.
24	26	28	81.6	0.08	0.09	3.3	2.9	19-20 Tenaceous white gritty clay and pure white clay.
26	28	39.5*	111.6	0.07	0.11	2.8	3.4	20-21 Soft clayey grit, granules and sand.
28	30	25*	96.3	0.11	0.15	6.1	4.7	21-22 As for 20-21 with some pure white tough clay.
30	32	30*	93.1	0.06	0.08	2.7	2.5	22-23 As for 20-21.
32	33	12*	91.2	0.05	0.07	5.4	4.0	23-25 Granules, sand and grit. 25-26 Organic silty clay, granules, grit, sand 26-27.5 Brown silt, sand. 27-5-29 Brown silt and grey decomposed granite 29-33 Grey decomposed granite.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at... 27.5.....m

Total recovered volume, surface to basement... 349.3.....litres

Total recovered tin 1.08.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Grade from surface to Inferred basement

Grade 1 atm g SnO2/m³

Grade 2 at ... 27.5.....m 2.....g SnO2/m³

601296

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES...5456520.....mN...579600.....mE DRILLING METHOD...Percussion HOLE No...ELP...9.....
 SURFACE R.L. 71.5.....m BASEMENT R.L. 44.0.....m CUTTING SHOE/
 BIT DIAMETER...161 mm THEORETICAL VOLUME...40.7.....litres PAGE...3.....of...3.....
 DRILLER...T. King..... SAMPLE WASHER...S. Moore ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...7-16th July 82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								Sample Washers Mineralogical Descriptions.
								0-2 Fine have of tin, ilmenite, monazite;
								2-4 Ilmenite, monazite; 4-14 monazite, ilmenite.
								14-18 Pyrite; 18-20 Pyrite, monazite
								20-28 Monazite, ilmenite; 28-33 Pyrite.

*Denotes "Floater Sample"-

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at...27.5.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement...349.3.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...1.08.....g SnO2

Grade 2 at ...27.5.....m2.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5456680 mN 579600 mE DRILLING METHOD Percussion HOLE No. ELP-8
 SURFACE R.L. 73.7 m BASEMENT R.L. 33.2 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.7 litres PAGE 1 of 2
 DRILLER G. Selby SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 5-16 July 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	Sediments Types
From m	To m								
0	2	20.5	104.9	0.18	0.27	13.1	8.3	0-1	Thin soil. Angular milky quartz grit.
2	4	19.5	148.5	0.02	0.04	2.2	1.3		Sand, brown silt
4	6	17	103.9	0.03	0.04	2.6	1.4	1-2	Gritty mottled yellow-white-brown clay
6	8	26.5	100.9	0.02	0.03	1.1	0.9	2-4	As for 1-2 with also free sand and grit
8	10	29.5	103.9	0.04	0.06	2.0	1.8	4-6	Tenaceous pure white clay and gritty clay. Fine grit, sand.
10	12	22	105.8	0.05	0.08	3.4	2.3		
12	14	26.5	107.2	0.03	0.05	1.7	1.4	6-10	Quartz sands and grits. A little brown silt.
14	16	19	104.4	0.02	0.03	1.6	0.9		
16	18	31	97.6	0.03	0.04	1.4	1.3	10-11	As for 6-10 with lands of pure white clay.
18	20	35	97.7	0.02	0.03	0.8	0.9		
20	22	37.5	108.7	0.04	0.06	1.7	1.9	11-12	As for 6-10.
22	24	35	111.0	0.03	0.05	1.4	1.5	12-13	Quartz sands and grit. White silt.
24	26	53	92.7	0.21	0.28	5.2	5.3	13-14	Moderate tenacity white clay. Grit - sand lands.
26	28	26.5	93.3	0.22	0.29	11.1	9.0		
28	30	25	105.0	0.09	0.14	5.4	4.1	14-15	As for 12-13.
30	32	55	89.5	0.20	0.26	4.7	4.7	15-17	As for 13-14
32	34	20	108	0.07	0.11	5.5	3.2	17-18	Fine gravel, grit, sand and yellow silt.
34	36	32.5	115.5	0.15	0.25	7.6	7.6		
36	38	21.5	118.8	0.08	0.14	6.3	4.2	18-21	As for 12-13.
38	40	21*	97.4	0.07	0.10	4.6	3.0	21-22	Quartz sands and grits, white clay, white silt.
40	41	13.5*	95.9	0.22	0.30	22.3	18.5		
41	42	18*	90.0	0.11	0.14	7.9	8.9	22-24	As for 17-18.
42	43	22.5*	99.2	0.10	0.14	6.3	6.3	24-25	Soft white clay, grit, sand, white silt.
43	44	35.5	86.8	0.10	0.12	3.5	3.5		
								25-26	Tenaceous white clay, grit, sand, white silt.
								26-29.6	As for 12-13, rare sandstone wash.

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 40.5 m

Total recovered volume, surface to basement 580.3 litres

Total recovered tin 3.37 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 40.5 m 4 g SnO2/m³

Grade 2 at 40.5 m 4 g SnO2/m³

604298

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 5456820 N 579613 ME DRILLING METHOD Percussion HOLE No... ELP 7
 SURFACE R.L. 74.4 m BASEMENT R.L. 34.1 m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7 litres PAGE... 1 of 2
 DRILLER... T. King SAMPLE WASHER... S. MOORE ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE 24 Jun - 7 Jul 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample Sediments
From m	To m							
0	2	22.5	11.4	0.08	0.13	5.7	3.9	0-1 Brown fine sand and silt. Milky white quartz grit, also clear grit. Sand.
2	4	18	104.7	0.04	0.06	3.32	1.8	
4	6	19	103.2	0.05	0.07	3.9	2.3	1-4 Yellow-brown moderate tenaceous, very gritty clay.
6	8	16	80.0	0.06	0.07	4.3	2.1	
8	10	17.5	111.8	0.04	0.06	3.7	2.0	4-6 Brown silt, fine quartz sand. Some tenaceous white clay.
10	12	18	94.2	0.04	0.05	3.0	1.7	
12	14	24	105.0	0.03	0.05	1.8	1.4	6-7 Pure tenaceous white clay; gritty clay; quartz grit;
14	16	25.5	96.7	0.03	0.04	1.6	1.3	
16	18	27	114.3	0.04	0.07	2.4	2.0	7-8 As above with fine sand.
18	20	26.5	99.4	0.03	0.04	1.6	1.3	8-9 As for 6-7.
20	22	36	106.1	0.03	0.05	1.3	1.4	9-10 Moderately tenaceous gritty white clay
22	24	16.5	117.2	0.02	0.03	2.0	1.0	10%; Quartz grits sand 90%;
24	26	47.5	100.0	0.03	0.04	0.9	0.9	10-12 Moderately tenaceous gritty white clay
26	28	37	87.3	0.05	0.06	1.7	1.9	50%; Quartz grits sand 50%;
28	30	21*	109.8	0.06	0.09	4.5	2.9	12-13 Moderately tenaceous gritty white clay
30	32	33*	93.3	0.11	0.15	4.4	4.5	20%; Quartz grits sand 80%;
32	34	18.5*	100.0	0.06	0.09	4.6	2.6	13-16 Moderately tenaceous gritty white clay
34	36	47*	100.0	0.20	0.29	6.1	6.1	5%; Quartz grits sand 95%;
36	38	30.5*	100.0	0.67	0.96	31.4	29.4	16-17 Moderately tenaceous gritty white clay
38	40	54.5	104.6	0.76	1.13	20.8	20.8	15%; Quartz grits sand 85%;
40	41	21*	87.5	0.19	0.24	11.3	11.3	17-19 Moderately tenaceous gritty white clay
41	42	22*	92.8	0.07	0.09	4.2	4.2	0%; Quartz grits sand 100%;
42	43	19*	94.8	0.07	0.09	5.0	5.8	19-21 Moderately tenaceous gritty white clay
43	44	20*	94.1	0.06	0.08	4.0	4.9	20%; Quartz grits sand 80%;
								21-22 Moderately tenaceous gritty white clay
								0%; Quartz grits sand 100%;
								22-24 Moderately tenaceous gritty white clay
								40%; Quartz grits sand 60%;

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 40.3 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... 561.8 litres

Grade 1 at m g SnO2/m³

Total recovered tin... 4.01 g SnO2

Grade 2 at 40.3 m 5 g SnO2/m³

004300

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES...5456820.....mN..579613.....mE DRILLING METHOD...Percussion. HOLE No...ELP..7.....
 SURFACE R.L...74.4.....m BASEMENT R.L...34.1.....m CUTTING SHOE/
 BIT DIAMETER.....161 mm THEORETICAL VOLUME.....40.7.....litres PAGE....2..of...2.....
 DRILLER...T. King..... SAMPLE WASHER...S. Moore. ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...24 Jun-7 Jul 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								24-27.5 Quartz grits, sands, white silt 80%; Tenaceous gritty white clay
								27.5-29 As for 24-27.5 in ratios 60% ; 10% but also 30% large wash pebbles, mainly mathinna bed clasts.
								29-32 As for 27.5-29 : ratios 80%:10%:10%
								32-33 As for 27.5-29 : ratios 70%:15%:15%
								33-34 As for 27.5-29 : ratios 60%:15%:25%
								34-35 As for 33-34 but clays mor sandy.
								35-36 Quartz grit, coarse sand, white silt and soft clay.
								36-40.3 Coarse sand, grit, fine sand, soft white clay. One sandstone wash pebble
								40.3- Decomposed yellow brown granite basement.
								<u>Mineralogical Description</u> (as per sample wash)
								0-2 Very fine trace of tin, ilmemite, monazite ;
								2-4 Ilmenite, monazite;
								4-26 Monazite, ilmenite;
								26-38 Ilmenite, pyrite;
								38-42 Ilmenite, monazite
								42-44 Pyrite
*Denotes "Floater sample" ie a significant % of volume lost before sample measurement.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....40.3.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....561.8.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....4.01.....g SnO2

Grade 2 at40.3.....m5.....g SnO2/m³

604301

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA.....Eastern Leads COLLAR CO-ORDINATES.....5456980.....mN...579623.....mE DRILLING METHOD....Percussion HOLE No.. ELP...6.....
 SURFACE R.L..75.9.....m BASEMENT R.L..39.4.....m CUTTING SHOE/
 BIT DIAMETER.....161 mm..... THEORETICAL VOLUME.....40.71.....litres PAGE...1.....of.....2.....
 DRILLER.....G. Selby..... SAMPLE WASHER S. MOORE... ASSAY METHOD..XRF..... GEOLOGIST R. MUNRO..... DATE 22 Jun to 2 Jul 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample Sediments
0	2	24.5	105.3	0.10	0.15	6.1	4.6	0-1 Milky white quartz grit, quartz sand,
2	4	20	94.5	0.05	0.07	3.4	2.1	minor sub-rounded gravel and humic silt
4	6	28	118.6	0.03	0.05	1.8	1.6	1-3.5 Milky and clear quartz grits, coarse
6	8	22.5	98.4	0.03	0.04	1.9	1.3	sand.
8	10	23	99.6	0.03	0.04	1.9	1.3	3.5-4 Bands of white moderatley tenaceous clay.
10	12	21	104.7	0.03	0.04	2.1	1.4	4-6.5 Brown silt, iron cemented grits, grit
12	14	17.5*	113.2	0.04	0.06	3.7	2.0	and sand.
14	16	47.5	106.8	0.04	0.06	1.3	1.3	6.5-9 Tenaceous white gritty clay, quartz
16	18	26	98.9	0.03	0.04	1.6	1.3	grit and sand.
18	20	20*	116.1	0.02	0.03	1.7	1.0	9-11 As for 6.5-9 but higher fine sand content
20	22	26*	104.5	0.04	0.06	2.3	1.8	11-12 White gritty clay.
22	24	29*	88.2	0.06	0.08	2.6	2.3	12-13 Equal quantities of sandy moderate
24	26	24	102.3	0.03	0.04	1.8	1.4	tenacity white clay and quartz grit-
26	28	28	100.0	0.04	0.06	2.0	1.8	sand.
28	30	42	103.5	0.05	0.07	1.8	1.8	13-14 10% white gritty clay, 90% quartz grits
30	32	69*	90.0	0.08	0.10	1.5	1.5	and sands.
32	34	23*	113.8	0.08	0.13	5.7	4.0	14-17 100% quartz grits and sands.
34	36	16.5*	96.2	0.06	0.08	5.0	2.5	17-18 40% white gritty clay, 60% quartz grits
36	37	13*	104.6	0.05	0.07	5.8	4.6	and sands.
37	38	8.5*	101.9	0.04	0.06	6.9	3.6	18-22 60% white gritty clay, 40% quartz grits
38	39	12*	101.1	0.06	0.09	7.2	5.3	and sands.
39	40	12.5*	104.7	0.06	0.09	8.6	5.5	22-24 80% white gritty clay, 20% quartz grits
								and sands.
								24-27 Quartz grit, coarse and fine sand, silt,
								rare quartz gravel.
								27-28 As for 24-27 but also 10% gritty white
								clay.
								28-29 As for 27-28 but minor iron cementation

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....36.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....514.....litres

Grade 1 atm g SnO2/m³

Total recovered tin 1.49.....g SnO2

Grade 2 at36.5.....m 2..... g SnO2/m³

604302

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Eastern Leads COLLAR CO-ORDINATES.....5456980.....mN.....579623.....mE DRILLING METHOD..Percussion... HOLE No...ELP...6.....
 SURFACE R.L. 75.9.....m BASEMENT R.L. 39.4.....m CUTTING SHOE/ BIT DIAMETER..... 161 mm..... THEORETICAL VOLUME.....40.71.....litres PAGE...2...of....2.....
 DRILLER...G. Selby..... SAMPLE WASHER S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE 22Jun to 2Jul 8

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								29-30 80% white moderatley gritty and sandy clays 15% grits and sands 5% rounded wash pebbles.
								30-31 As above but ratios 60%: 25%: 15%:
								31-32 As for 29-30 but ratios 5%: 80%: 15%: and white silt 5%.
								32-34 As for 31-32 but ratios 10%: 65%: 15%: 10%:
								34-36.5 As for 31-32 " " 40%: 35%: 20%: 5%: pebble types either clear or milky quartz or sandstone.
								36.5-40 Yellow-brown medium grained biotite-muscovite decomposed granite basement.
								<u>Mineralogical Descriptions</u> (per sample washer)
								0-2 Trace tin, monazite
								2-28 Monazite, ilmenite
								28-30 Monazite, pyrite
								30-32 Ilmenite, pyrite
								32-34 Very fine trace of tin, pyrite
								34-40 Pyrite.
								*Denotes "Floater Samples" - ie a significant % of slime lost before volume measurement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at....36.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....514.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....1.49.....g SnO2

Grade 2 at36.5.....m2.....g SnO2/m³

604303

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES.....5456725.....mN.....579993.....mE DRILLING METHOD Percussion... HOLE No. ELP. 5.....
 SURFACE R.L.74.3.....m BASEMENT R.L.42.6.....m CUTTING SHOE/ BIT DIAMETER.....161 mm..... THEORETICAL VOLUME.....40.3.....litres PAGE...1...of... 1...
 DRILLER...T. King..... SAMPLE WASHER...S. MOORE. ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE 10-24 June 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	2	27.5	106.7	0.27	0.41	15.0	12.6	0-1	Humic grits and sand
2	4	22.5	112.0	0.15	0.24	10.7	7.4	1-3	Silerte
4	6	16.0	111.0	0.02	0.03	2.0	1.0	3-4	White clays with lands of grit & sand.
6	8	22.0	112.9	0.02	0.03	1.5	1.0	4-19	Alternating layers of quartz grits and sand, minor brown silt with light brown gritty clays. Infrequent organic cemented clayey grits noted.
8	10	22.5	102.8	0.04	0.06	2.6	1.8		
10	12	26.0	90.0	0.04	0.05	2.0	1.6		
12	14	25.0	97.2	0.04	0.06	2.2	1.7		
14	16	24.0	119.3	0.03	0.05	2.1	1.6	19-21	Soft white clay, minor quartz grit.
16	18	16.0	102.5	0.05	0.07	4.6	2.3	21-23	Coarse sand, soft white clay, small grit, minor brown silt and fine gravel
18	20	10.5	110.0	0.02	0.03	3.0	1.0		
20	22	16.0	107.7	0.05	0.08	4.8	2.4	23-25	Coarse sand soft white, clay small grit minor brown silt and fine gravel.
22	24	26.0	93.7	0.07	0.09	3.6	2.9		
24	26	18.0	104.5	0.06	0.09	5.0	2.8	25-27	Angular grit, sub-rounded quartz gravel minor sand, light brown silt, rare small quartz pebbles.
26	28	26.5	87.8	0.06	0.08	2.8	2.3		
28	30	21.5	97.3	0.03	0.04	1.9	1.3		
30	32	26.5	100.3	0.12	0.17	6.5	5.3	27-31	Angular grits, small sand minor white clay lands and light brown silt.
32	33	10 *	93.5	0.05	0.07	6.8	4.1		
33	34	11 *	90.0	0.13	0.17	15.2	10.3	31-31.7	As above but clay yellow and more tenaceous.
34	35	13.5*	92.0	0.07	0.09	6.8	5.6		
									Mineralogical Descriptions (From Sample Washer)
									0-2 Trace tin, ilmenite
									2-4 Very fine trace of tin, monazite, ilmenite,
*"Floater Sample"- A significant percentage of slimes lost before volume measured.									4-32 Monazite, ilmenite
									32-35 Pyrite, ilmenite

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at.....31.7.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....351.2.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....1.9.....g SnO2

Grade 2 at31.7.....m4.....g SnO2/m³

604304

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Lands COLLAR CO-ORDINATES... 5456640mN... 579993.....mE DRILLING METHOD... Percussion HOLE No. ELP... 4.....
 SURFACE R.L... 74.1m BASEMENT R.L... 42.1m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.7litres PAGE... 1... of... 1...
 DRILLER... G. Selby..... SAMPLE WASHER... S. Moore... ASSAY METHOD... XRF..... GEOLOGIST... R. Munro..... DATE... 9-21 June 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	2	51	106.0	2.52	3.82	74.8	74.8	<u>Major Sediment Types</u>
2	4	27.5	80.0	0.64	0.73	26.6	22.5	
4	6	22.5	83.5	0.70	0.84	37.1	25.6	0-1 Skeletal soil and underlying humic sands, silt and grits.
6	8	15	90.8	0.22	0.29	19.0	8.8	
8	10	19	106.2	0.14	0.21	11.2	6.5	1-2 Cemented fine gravel, grit and sand.
10	12	21	108.2	0.21	0.32	15.5	10.0	2-3 Quartz gravel, granules and sand.
12	14	19	99.5	0.29	0.41	21.7	12.7	3-3.5 Cemented brown silty sand and gravel
14	16	20	128.5	0.09	0.17	8.3	5.1	3.5-13.5 Quartz grits, sands, oil, fine
16	18	21	100.6	0.04	0.06	2.7	1.8	gravel; land of white clay.
18	20	20.5	92.9	0.06	0.08	3.9	2.4	13.5-20 As above, more clay lands and sand.
20	22	30	92.7	0.07	0.09	3.1	2.9	20-26 Coarse sand and grit, white mud.
22	24	27	88.0	0.09	0.11	4.2	3.5	tenaceous clay.
24	26	30	101.3	0.10	0.14	4.8	4.4	26-28 As above with minor sub-rounded quartz gravel.
26	28	30.5	99.3	0.02	0.03	0.9	0.9	
28	30	34.5	103.9	0.04	0.06	1.7	1.8	28-30 As for 20-26
30	32	38.5	102.5	0.12	0.18	4.6	5.4	30-32 Fine sandy light brown soft clays
32	34	29	112.2	0.34	0.54	18.8	16.7	32-38
34	35	23.5	114.0	0.24	0.39	16.6	16.6	<u>Minerological Description</u>
35	36	16	103.5	0.06	0.09	5.5	5.4	0-2 Small amount of tin, gold, spinel
36	37	17	95.6	0.05	0.07	4.0	4.2	2-14 Trace tin, monazite, spinel
37	38	31	87.9	0.09	0.11	3.7	3.7	14-16 Fine trace of tin, monazite
								16-30 Monazite, ilmenite
								30-35 Trace tin, ilmenite, monazite
								35-38 Pyrite

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....32.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement..... 425litres

Grade 1 atm g SnO2/m³

Total recovered tin..... 8.7g SnO2

Grade 2 at32.....m 14g SnO2/m³

604305

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Eastern Leads COLLAR CO-ORDINATES...54564.00.....mN.....57999.5.....mE DRILLING METHOD Percussion..... HOLE No...ELP...3.....
 SURFACE R.L...61.6.....m BASEMENT R.L...46.3.....m CUTTING SHOE/ THEORETICAL BIT DIAMETER...161 mm..... VOLUME...40.7.....litres PAGE...1...of...1.....
 DRILLER...T. King..... SAMPLE WASHER...S. Moore... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...8-10 June 82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	2	14.5	114.2	0.23	0.38	25.9	11.5	Description of Major Sediment Type
2	4	17.5	88.5	0.85	1.07	61.4	33.0	
4	6	25	96.2	2.30	3.16	126.4	97.0	0-1 Top soil, humic fine gravel and sand
6	8	25	100.4	0.34	0.49	19.5	15.0	1-3.3 Silt and fine sand
8	10	27.5	91.7	0.16	0.21	7.6	6.4	5.5-15 Quartz granules, sand and wash
10	12	49.5	87.7	0.20	0.25	5.1	5.1	5.5-15.3 Quartz granules, sand and land of
12	14	47.5	86.2	0.13	0.16	3.4	3.4	white clay.
14	16	66	102.5	0.07	0.10	1.6	1.6	15.3-19 Decomposed granite basement.
16	17*	16	84.8	0.02	0.02	1.5	1.5	<u>Mineralogical Description</u>
17	18	12	110.0	0.03	0.05	3.9	2.9	
18	19	16	89.1	0.03	0.04	2.4	2.3	0-2 Trace of tin, spinel, monazite;
								2-4 Small amount of tin, monazite.
								4-6 Tin, spinel
								6-8 Trace of tin, monazite.
								8-10 Small trace of tin, monazite.
								10-16 Monazite, ilmenite.
								17-17 Ilmenite.
								17-19 Pyrite.
*"Floater Samples" - Significant percentage of slime lost before volume measurement possible.								

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at.....15.3.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement.....249.4.....litres

Grade 1 atm g SnO2/m³

Total recovered tin 5.93.....g SnO2

Grade 2 at15.3.....m23.....g SnO2/m³

604306

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Eastern..Leads COLLAR CO-ORDINATES..5456475.....mN...579993.....mE DRILLING METHOD..Percussion... HOLE No...ELP...2.....
 SURFACE R.L.....69.9.....m BASEMENT R.L.....41.9.....m CUTTING JOE/ BIT DIAMETER.....161 mm THEORETICAL VOLUME.....40.3.....litres PAGE...1...of...1.....
 DRILLER...T..King..... SAMPLE WASHER..S..Moore... ASSAY METHOD.....XRF..... GEOLOGIST..R..Munro..... DATE..2..to..7th..June..82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	48	118.1	0.31	0.52	10.9	10.9	<u>Sediment Description - Major Species Only</u>
2	4	29	109.6	0.86	1.35	46.4	41.8	
4	6	19	77.1	0.23	0.26	13.4	7.9	0-0.5 Skeletal soil
6	7	7.5	94.6	0.03	0.04	5.4	2.5	0.5-5 Quartz granules, sands
7	8	20	98.0	1.11	1.55	77.7	96.4	5-7.5 White clay
8	10	51.5	104.4	1.11	1.66	32.1	32.1	7.5-10 Quartz granules, wash, sands
10	12	25	118.4	0.12	0.20	8.1	6.3	10-11 White clay
12	14	28	117.5	0.04	0.07	2.4	2.1	11-17.7 Sands, Quartz granules
14	16	38.5	114.9	0.04	0.07	1.7	2.0	17.7-18.2 White clay, sands, quartz granules
16	18	40	111.3	0.02	0.03	0.8	1.0	18.2-21 White clay, fine sand
18	20	27.5	96.6	0.05	0.07	2.5	2.1	21-24.5 Sand, quartz granules
20	22	50.5	118.2	0.09	0.15	3.0	3.0	24.5-25.8 Brown clay
22	24	52	85.6	0.13	0.16	3.1	3.1	25.8-28 Sands, quartz granules
24	26	19	109.9	0.05	0.08	4.1	2.4	28-31 Decomposed granite basement
26	28	21	83.7	0.13	0.16	7.4	4.8	<u>Heavy Mineral Description</u>
28	29	10	81.9	0.10	0.12	11.7	7.3	
29	30	9.5	90.5	0.13	0.17	17.7	10.4	0-6 Trace tin, ilmenite
30	31	16.5	96.4	0.11	0.15	9.2	9.4	6-7 Ilmenite
								7-8 Miner tin, ilmenite
								8-10 Miner tin, ilmenite, spinel
								10-12 Trace tin, ilmenite, monazite
								12-24 Ilmenite, monazite
								24-31 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....28.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....476.5.....litres Grade 1 atm g SnO2/m³
 Total recovered tin.....6.77.....g SnO2 Grade 2 at28.....m13.....g SnO2/m³

604307

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Eastern Leads COLLAR CO-ORDINATES 5456560 m N 579993 m E DRILLING METHOD Percussion HOLE No. ELP 1
 SURFACE R.L. 72.7 m BASEMENT R.L. 34.5 m CUTTING SHOE/ BIT DIAMETER 161 mm THEORETICAL VOLUME 40.3 litres PAGE 1 of 3
 DRILLER T. King SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 24/5 to 1/6 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	2	40	82.7	0.68	0.80	20.0	24.9	<u>Sediment Description - Major Speius only.</u>
2	4	33	86.9	0.28	0.35	10.5	10.8	0-0.5 Skeletal soil including quartz granules.
4	6	22.5	99.7	0.68	0.97	43.0	30.0	
6	8	24	77.7	0.67	0.74	31.0	23.3	0.5-2 Silcrete.
8	10	24	84.6	0.12	0.15	6.0	4.4	2-4 Yellow and White clays, layers of quartz granules.
10	12	22	89.5	1.11	1.42	64.5	44.0	
12	14	34.5	80.3	0.14	0.16	4.6	5.0	4-7.5 Quartz granules and sands.
14	16	40	109.6	0.08	0.13	3.1	3.9	7.5-10 White clay and shingers of sand.
16	18	42	135.2	0.09	0.17	4.1	4.1	10-27.7 Predominantly quartz granules and sand.
18	20	52	87.5	0.16	0.20	3.8	3.8	Numerous white clay banks.
20	22	57.5	90.6	0.06	0.08	1.4	1.4	27.7-28.3 Brown clays, Silts with organic matter.
22	24	36.5	79.5	0.20	0.23	6.2	7.0	Miner wash shingers.
24	26	41.5	113.7	0.30	0.49	11.7	11.7	28.3-34.5 Quartz granules, and fine gravel sand
								banks of silt with organic material.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 38.2 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 726.7 litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.9 g SnO2

Grade 2 at 38.2 m 10.7 g SnO2/m³

604308

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 5456560 mN 57993 me DRILLING METHOD... Percussion.. HOLE No. ELP. 1.....
 SURFACE R.L. 72.7 m BASEMENT R.L. 34.5 m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.3 litres PAGE... 2... of... 3.....
 DRILLER... T. King SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE 24/5 to 1/6 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
26	28	38	120.0	0.25	0.43	11.2	13.3	
28	30	50	82.6	0.06	0.07	1.4	1.4	34.5-35 Brown and grey silt with organic material.
30	32	41.5	82.8	0.08	0.09	2.2	2.2	35-38 Sand, quartz granules, thin banks of silts with organic material.
32	34	24	93.4	0.03	0.04	1.7	1.2	
34	36	49	95.7	0.03	0.04	0.8	0.8	38-38.2 Sand, quartz granules, two 2cm mathinna groups sandstone pebbles, one 2cm quartz pebble.
36	38	51	72.7	0.09	0.09	1.8	1.8	
38	39	18.5	99.2	0.05	0.07	3.8	4.3	
39	40	11.5	94.6	0.05	0.07	5.8	4.2	38.2-42 Decomposed granite basement.
40	41	13	84.0	0.04	0.05	3.6	3.0	Mineralogical Log
41	42	20.5	87.0	0.06	0.07	3.6	3.6	0-2 Trace fine tin, ilmenite basement.
								2-4 Ilmenite, monazite
								4-6 Trace tins ilmenite, monazite
								6-8 " " " " spinel
								8-10 Trace of very fine tin, ilmenite, monazite, spinel

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at... 38.2 m

Total recovered volume, surface to basement... 726.7 litres

Total recovered tin... 6.9 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at m g SnO2/m³

Grade 2 at 38.2 m 10.7 g SnO2/m³

604309

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Eastern Leads COLLAR CO-ORDINATES... 5456560mN..... 579993me DRILLING METHOD Percussion... HOLE No... ELP... 1
 SURFACE R.L. 72.7m BASEMENT R.L. 34.5m CUTTING SHOE/ BIT DIAMETER... 161 mm THEORETICAL VOLUME... 40.3litres PAGE... 3of... 3
 DRILLER... T. King SAMPLE WASHER... S. Moore ASSAY METHOD... XRF GEOLOGIST... R. Munro DATE 24/5 to 1/6 82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								10-12 Trace tins, ilmenite, monazite, spinel
								12-28 Ilmenite, monazite.
								28-42 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at... 38.2m Grade from surface to inferred basement
 Total recovered volume, surface to basement... 726.7litres Grade 1 atm g SnO2/m³
 Total recovered tin... 6.9g SnO2 Grade 2 at 38.2m 10.7g SnO2/m³

604310

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringerooma Basin COLLAR CO-ORDINATES...5776000.....mE...5451000.....mN DRILLING METHOD...Reverse..... HOLE No. RRC..1.....
 SURFACE R.L.....147.....m BASEMENT R.L.....144.....m CUTTING SHOE/
 BIT DIAMETER.....100.....mm THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE.....1.....of.....1.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST...S. Douglas..... DATE 22/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	20	112.6	0.02	0.03	1.61	1.68	0-1.5 Red-brown sandy clay.
3	5	18	91.2	0.01	-	-	-	1.5-7.0 Ochre silts and silty clay (1.5- ² 7.0 - basement).
5	7	18	126.8	0.01	-	-	-	7.0-13.0 Light grey clays and coarse quartz fragments.
7	9	18.5	120.9	0.01	-	-	-	
9	11	17	107.3	0.02	0.03	1.80	1.80	
11	13	15	129.6	B.L.D.	-	-	-	
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Trace ilmenite.
								3-13 Trace ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....m Grade from surface to Inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO2/m³
 Total recovered tin.....0.06.....g SnO2 Grade 2 atm 2.89.....g SnO2/m³

604311

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 575000 mE 5451200 mN DRILLING METHOD Reverse HOLE No. R.R.C. 3
 SURFACE R.L. 148 m BASEMENT R.L. 65 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 1 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 22/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
0	3	13	85.3	B.L.D.	-	-	-	0-2.0 Red-brown silts and medium-coarse sands.
3	5	9	95.7	0.02	0.03	3.0	2.2	2.0-5.5 Red clays and sandy clays.
5	7	12	125.8	0.02	0.04	3.0	2.8	5.5-10.5 Stiff white laminated clays.
7	9	12.5	90.3	0.03	0.04	3.1	3.0	10.5-11.0 Silty ochre clay.
9	11	12	116.6	0.01	-	-	-	11.0-11.5 Stiff white sandy clays.
11	13	6	116.9	0.01	-	-	-	11.5-17.0 Medium-coarse sand, small drift.
13	15	11	111.2	0.02	0.03	2.9	2.5	17.0-23.0 Coarse sands, dark brown silts, wood fragments, pyrite.
15	17	10	96.1	0.01	-	-	-	
17	19	6	127.3	0.01	-	-	-	23.0-23.2 Stiff brown clays with wood fragments.
19	21	9	103.0	0.03	0.04	4.9	3.5	23.2-30.5 Coarse sands, dark brown silts, wood fragments.
21	23	8	105.8	0.02	0.03	3.8	2.4	
23	25	8	104.8	0.01	-	-	-	30.5-31.0 Stiff grey clay with wood fragments.
25	27	7	92.2	0.01	-	-	-	31.0-34.5 Coarse sands, some pyrite nodules.
27	29	8	124.0	B.L.D.	-	-	-	34.5-37.0 Stiff grey clay with wood fragments.
29	31	8	115.8	0.01	-	-	-	37.0-38.0 Stiff dark grey clay with wood fragments.
31	33	11	133.9	B.L.D.	-	-	-	38.0-39.0 Fine-medium sands, pyrite.
33	35	12	115.8	0.01	-	-	-	39.0-42.5 Medium-coarse sands, pyrite, with wood fragments.
35	37	10	98.8	B.L.D.	-	-	-	
37	39	14	126.0	0.02	0.04	2.6	2.8	42.5-44.0 Stiff grey clays with wood fragments.
39	41	11.5	101.8	0.02	0.03	2.5	2.3	44.0-44.5 Fine Sands.
41	43	18	110.0	B.L.D.	-	-	-	44.5-50.0 Stiff dark grey clays with wood fragments
43	45	14	171.1	B.L.D.	-	-	-	50.0-50.5 Medium sands with wood fragments.
45	47	14	141.1	0.05	0.10	7.2	7.9	50.5-51.0 Fine sand and sandy clays.
47	49	18	90.0	0.02	0.03	1.4	1.4	51.0-53.5 Stiff grey clays alternately with fine sands.
49	51	12	88.7	0.03	0.04	3.2	3.0	53.5-54.0 Stiff sandy clays, white mottled clay, grey clay.
								54.0-55.0 Coarse sands, pyrite, nodules, some wood

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement atm

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 atm g SnO2/m³

Total recovered tin 6.5 g SnO2

Grade 2 atm 9.79 g SnO2/m³

604312

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA...Ringarooma Basin COLLAR CO-ORDINATES.....575000.....mE.....5451200.....mN DRILLING METHOD.....Reverse
 SURFACE R.L.148.....m BASEMENT R.L.....55.....m CUTTING SHOE/ THEORETICAL CIRCULATION HOLE No. RRC.. 2
 BIT DIAMETER.....100 mm VOLUME.....15.92.....litres PAGE...2...of...3
 DRILLER...R. Miller SAMPLE WASHER...S. Moore ASSAY METHOD...XRF GEOLOGIST...S. Douglas DATE..22/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
51	53	14	111.6	0.03	0.05	3.4	3.8	fragments.
53	55	11	80.0	0.02	0.02	2.1	1.8	55.0-62.0 Stiff grey clays, minor wood fragments at 60.0, 61.8.
55	57	16.5	92.6	0.02	0.03	1.6	1.6	62.0-64.5 Coarse sands.
57	59	17	109.5	0.01	-	-	-	64.5-66.5 Coarse sands and small wash (quartz).
59	61	16	106.7	0.01	-	-	-	66.5-71.0 Large wash (quartz, sandstone), pyrite with fine sands at 69.0 m.
61	63	10.5	88.5	B.L.D.	-	-	-	71.0-82.0 Wash with minor sands and clays.
63	65	16	89.0	0.05	0.06	4.0	4.0	82.0-91.0 Mottled grey-green sandy clay, with some wash.
65	67	22	83.9	0.30	0.36	16.3	16.3	91.0-91.5 Green clay, minor wash.
67	69	10	75.7	0.87	0.94	94.1	73.9	91.5-92.5 Stiff mottled grey green clay.
69	71	14.5	88.1	1.41	1.77	122.4	139.3	92.5-95.0 Dark green-black rock chips ? basalt
71	73	22.5	117.3	0.66	1.11	49.2	49.2	95.0 m End of hole.
73	75	13	117.5	0.21	0.35	27.1	27.7	<u>Sample Washers Heavy Mineral Description:</u>
75	77	14	115.7	0.18	0.30	21.3	23.4	0-11 Trace of ilmenite.
77	79	16	97.6	0.14	0.19	12.1	12.1	11-19 No trace of mineral.
79	81	14.5	88.0	0.19	0.24	16.5	18.8	19-23 Trace of ilmenite, pyrite.
81	83	9*	110.7	0.17	0.27	29.9	21.1	23-25 Trace of ilmenite.
83	85	8	85.3	0.07	0.09	10.7	6.7	25-29 No trace of mineral.
85	87	7	90.5	0.04	0.05	7.4	4.1	29-31 Trace of ilmenite.
87	89	14*	93.8	0.08	0.11	7.7	8.4	31-53 Pyrite.
89	91	12*	144.2	0.01	-	-	-	53-55 Ilmenite, monazite, pyrite.
91	93	7*	100.9	0.03	0.04	6.2	3.4	55-59 Ilmenite, monazite.
93	95	6*	108.5	0.03	0.05	7.8	3.7	59-67 Pyrite.
								67-69 Trace tin, pyrite.
								69-71 Small amount tin, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....6.5.....g SnO2

Grade 2 atm9.79.....g SnO2/m³

604313

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA... Ringarooma Basin COLLAR CO-ORDINATES... 576000 mE... 5452000 mN DRILLING METHOD.. Reverse HOLE No.... BRC-3.....
 SURFACE R.L.... 129 m BASEMENT R.L.... — m CUTTING SHOE/ THEORETICAL Circulation PAGE... 1 of 1.....
 BIT DIAMETER... 100 mm..... VOLUME... 15.92 litres
 DRILLER... R. Miller..... SAMPLE WASHER... S. Moore ASSAY METHOD... XRF..... GEOLOGIST... S. Douglas..... DATE... 23/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	21	106.2	0.02	0.03	1.4	1.8	0-0.5 Coarse sands and brown silt.
3	5	14	123.0	0.01	-	-	-	0.5-2.5 Stiff red-red/ochre clays.
5	7	15	82.7	0.01	-	-	-	2.5-5.0 Stiff white clays.
7	9	10.5	90.4	0.01	-	-	-	5.0-6.0 Ochre clays.
9	11	9	107.6	0.02	0.03	3.4	2.4	6.0-6.8 Light grey clays.
11	13	10	91.2	0.01	-	-	-	6.8-7.0 Red ochre clays.
13	15	13	90.8	0.02	0.03	2.0	2.0	7.0-7.5 Ferricrete.
15	17	8.5	91.1	0.01	-	-	-	7.5-13.5 Coarse sands with minor clays at 10.5 and 12.0 (stiff, white), 13.0 (red).
17	19	9	99.4	0.01	-	-	-	13.5-14.0 Coarse sand and black silt.
19	21	8.5	81.0	0.01	-	-	-	14.0-14.2 Stiff black clays.
21	23	11	127.1	0.02	0.04	3.3	2.9	14.2-14.6 Coarse sands.
								14.6-15.0 Stiff red clays.
								15.0-16.0 Stiff black clays.
								16.0-18.0 Medium-coarse sand, black silts, wood fragments.
								18.0-21.5 Coarse sands, light grey silts.
								21.5-21.8 Stiff blue-grey clays.
								21.8-22.0 Coarse sands.
								22.0-22.2 Stiff red and white mottled clays with small quartz chips.
								22.2-23.0 Black rock chips.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-13 Ilmenite.
								13-15 Ilmenite, pyrite.
								15-17 Ilmenite.
								17-23 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at... 2.3 m

Grade from surface to inferred basement

Total recovered volume, surface to basement... — litres

Grade 1 at m g SnO2/m³

Total recovered tin... 0.12 g SnO2

Grade 2 at ... 2.3 m ... 0.84 g SnO2/m³

604315

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Ringarooma Basin COLLAR CO-ORDINATES: 5775000 mE 5453000 mN DRILLING METHOD: Reverse HOLE No: RRC 4
 SURFACE R.L.: 114 m BASEMENT R.L.: 62 m CUTTING SHOE/ THEORETICAL Circulation: PAGE 1 of 2
 BIT DIAMETER: 100 mm VOLUME: 15.92 litres
 DRILLER: R. Miller SAMPLE WASHER: S. Moore ASSAY METHOD: XRF GEOLOGIST: S. Douglas DATE: 23/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	14.5*	85.8	0.06	0.07	5.1	3.9	0-2	Coarse sands, brown silts.
3	5	15*	108.5	0.03	0.05	3.1	3.7	2-9	Stiff ochre clays, and stiff mottled
5	7	12*	99.5	0.03	0.04	3.6	3.4		ochre, blue-grey silty clays, with minor
7	9	12.5*	116.5	0.02	0.03	2.7	2.6		coarse sands.
9	11	10.5*	140.5	0.02	0.04	3.8	3.2	9-12.5	Coarse sands, with minor ochre silts and
11	13	9*	101.7	0.06	0.09	10.0	6.8		red clay.
13	15	7*	80.4	0.14	0.16	23.0	12.6	12.5-12.8	Ferricrete.
15	17	9*	110.9	0.03	0.05	5.3	3.7	12.8-17.0	Medium-coarse sands with minor clays at
17	19	9*	127.3	0.03	0.05	6.1	4.3		14.8 (white), and at 16.0 (mottled ochre/
19	21	10.5*	103.0	0.08	0.12	11.2	9.2		white).
21	23	9	83.0	0.08	0.09	10.5	7.5	17.0-20.0	Coarse sands and small wash with stiff
23	25	13	90.8	0.02	0.03	2.0	2.0		white clays (18.5), black clay (19.5).
25	27	15	90.3	0.02	0.03	1.7	2.0	20.0-21.0	Ochre silts and stiff clays with minor
27	29	11	131.8	0.02	0.04	3.4	3.0		wash.
29	31	8	117.3	0.02	0.03	4.2	2.6	21.0-22.0	Small wash and coarse sands.
31	33	10	104.5	0.03	0.04	4.5	3.5	22.0-25.0	Stiff ochre clays, mottled ochre, grey
33	35	10	119.3	0.12	0.20	10.5	16.1		silty clays, stiff white clays, mottled
35	37	10	102.9	0.14	0.21	20.6	16.2		ochre, grey clay.
37	39	23	110.6	0.14	0.22	9.6	9.6	25.0-27.0	Stiff blue grey clay with minor wood
39	41	11	85.9	0.12	0.15	13.4	11.6		fragments at 26.5.
41	43	9	91.0	0.19	0.25	27.4	19.4	27.0-28.0	Mottled ochre, white, grey clay.
43	45	9	80.9	0.12	0.14	15.4	10.9	28.0-34.0	Medium-coarse sands with wash becoming
45	47	6	90.3	0.06	0.08	12.9	6.1		larger to 34.0 m. minor white clay at
47	49	8	85.6	0.05	0.06	7.6	4.8		30.5 m.
49	51	11*	103.3	0.04	0.06	5.4	4.6	34.0-34.5	Stiff grey clay.
51	53	5	102.8	0.03	0.04	8.8	3.5	34.5-50.5	Coarse sand and wash with minor clays at
53	54	2	104.0	0.02	0.03	14.9	4.7		37.8.
54	55	2	94.5	0.04	0.05	27.0	8.5	50.0-53	Coarse sands with small white clay

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 60.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 2.47 g SnO2

Grade 2 at 50.0 m 7.12 g SnO2/m³

604316

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 577100 ME 5453900 MN DRILLING METHOD Reverse HOLE No. RRC 5
 SURFACE R.L. 109 BASEMENT R.L. — CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 23-24/10/82
 VOLUME 15.92 litres

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 gSnO2/m ³	Description of Sample
From m	To m							
0	3	14	117.1	0.02	0.03	2.4	1.8	0-0.8 Coarse sands and brown silt.
3	5	12	97.7	0.04	0.06	4.7	4.4	0.8-4.0 Red clays and ochre clays with minor
5	7	4	114.3	0.07	0.11	28.6	9.0	coarse sands.
7	9	11	80.0	0.03	0.03	3.1	2.7	4.0-5.0 Stiff white clays.
9	11	9	90.4	0.02	0.03	2.9	2.0	5.0-9.0 Stiff ochre and white/ochre clays with
11	13	10	84.1	0.03	0.04	3.6	2.8	coarse sands.
13	15	13	97.8	0.01	-	-	-	9.0-10.8 Stiff white clays.
15	17	11	105.5	0.05	0.08	6.9	5.9	10.8-11.0 Stiff ochre clays.
17	19	14	95.3	0.05	0.07	4.9	5.3	11.0-16.0 Stiff white sandy clays with minor
19	21	7	107.6	0.01	-	-	-	coarse sands at 12.5-12.8 m.
21	23	10	92.5	0.01	-	-	-	16.0-18.5 Coarse sands.
23	25	10.5	98.1	0.02	0.03	2.7	2.2	18.5-19.5 Stiff white sandy clays.
25	27	13	107.5	0.02	0.03	2.4	2.4	19.5-20.0 Ochre clays.
27	29	7	112.7	0.03	0.05	6.9	3.8	20.0-24.0 Coarse sands, with brown silty clays
29	31	18	90.0	0.02	0.03	1.4	1.4	and minor wood fragments, pyrite.
31	33	18	125.7	0.01	-	-	-	24.0-28.5 Stiff grey and blue grey clays with
33	35	11	412.6	0.01	-	-	-	minor coarse sands, and white clay
35	37	14	139.8	B.L.D.	-	-	-	(26.0).
37	39	14	143.1	B.L.D.	-	-	-	28.5-29.0 Dark brown silty clays with wood
39	41	30	103.2	0.04	0.06	2.0	2.0	fragments.
								29.0-40.0 Stiff blue-grey and green-grey mottled
								clays with dark green-black rock
								fragments and minor quartz.
								40.0-41.0 Medium-coarse sands.
								Hole abandoned at 41.0 m.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 0.63 g SnO2

Grade 2 at 41.0 m 2.3 g SnO2/m³

604318

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA.....Ringarooma Basin COLLAR CO-ORDINATES..577095.....mE..5453900.....mN DRILLING METHOD...Reverse..... HOLE No..RRC..5..R..
 SURFACE R.L.....109.....m BASEMENT R.L.....m CUTTING SHOE/ BIT DIAMETER...100 mm THEORETICAL VOLUME...15.92...litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD...XRF GEOLOGIST...S. Douglas..... DATE..14.11.82..... PAGE....1...of....1.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
35	37	6	117.8	B.L.D.	-	-	-	37.0-37.8 Blue and blue-grey mottled clays.
37	39	15	83.5	0.02	0.02	1.6	1.9	37.8-42.0 Black rock chips and quartz fragments.
39	41	96	120.3	0.09	0.15	1.6	1.6	Hole abandoned at 42.0 m, as rock too difficult to penetrate with hyster tipped roller bit, circulation lost through previous hole.
41	42	3	88.9	0.04	0.05	16.9	8.0	
								Sample Washer's Heavy Mineral Descriptions:
								35-42 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at.....m
 Total recovered volume, surface to basement.....litres
 Total recovered tin.....0.23.....g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%
 Grade from surface to Inferred basement
 Grade 1 atm g SnO2/m³
 Grade 2 at35-42.....m2.13.....g SnO2/m³

01143211

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 577000 mE 5455000 mN DRILLING METHOD Reverse HOLE No. RBC 6
 SURFACE R.L. 129 m BASEMENT R.L. 37.3 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas/R. Munro DATE 24-25/10/82.

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5	110.4	0.03	0.05	9.5	2.5	0-1.0 Coarse sands and brown silts.
3	5	17	133.5	0.02	0.04	2.2	2.2	1.0-3.8 Ochre clays and sandy clays.
5	7	16	107.1	0.03	0.09	5.7	5.7	3.8-4.5 Stiff white clays.
7	9	2.5	111.5	0.02	0.03	12.7	2.5	4.5-5.0 Mottled ochre, yellow sandy clays.
9	11	4	90.5	0.02	0.03	6.5	2.0	5.0-6.5 Stiff white clays.
11	13	3	121.2	0.02	0.03	11.6	2.7	6.5-8.0 Ochre clays and mottled red, ochre clays with minor sands at 6.7 m.
13	15	10	109.4	0.03	0.05	4.7	3.7	8.0-8.5 Red, brown clays with coarse sands; ferricrete.
15	17	9	112.4	0.09	0.14	16.1	11.3	8.5-11.0 Pink, brown clays with fine sands.
17	19	3	151.9	0.01	-	-	-	11.0-11.5 Coarse sands.
19	21	9	86.7	0.16	0.20	22.0	15.6	11.5-12.0 Ochre and red, ochre clays with minor fine sands.
21	23	9.5	135.8	0.01	-	-	-	12.0-13.0 Silty white clays.
23	25	10	110.0	0.03	0.05	4.7	3.7	13.0-14.0 Ochre clays with minor coarse sands.
25	27	17.2	306.2	0.02	0.03	4.3	2.4	14.0-16.0 White sandy clay with minor coarse sands.
27	29	9	85.3	0.01	-	-	-	16.0-17.0 Dark brown silt.
29	31	7	103.3	0.01	-	-	-	17.0-20.0 White-lightbrown silty clay.
31	33	9	123.8	0.03	0.05	5.9	4.2	20.0-22.0 Coarse sands.
33	35	15	137.2	0.02	0.04	2.6	3.1	22.0-22.5 Stiff light brown clay.
35	37	12.5	110.7	0.04	0.06	5.1	5.0	22.5-23.0 Black silts.
37	39	10	140.6	0.04	0.08	8.0	6.3	23.0-26.5 Fine-medium sands with small wash.
39	41	11	109.1	0.08	0.12	11.3	9.8	26.5-27.0 Stiff grey sandy clay.
41	45	12	98.0	0.06	0.08	7.0	6.6	27.0-31.0 Brown clays and silts with wood fragments.
43	45	12	91.5	0.07	0.09	7.6	7.2	31.0-32.5 Stiff light grey and white clays with minor silt.
45	47	14.5*	113.3	0.05	0.08	5.6	6.4	32.5-34.0 Medium-coarse sands.
47	49	54	134.4	0.12	0.23	4.3	4.3	
49	51	16	113.3	0.06	0.10	6.0	6.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....g SnO2

Grade 2 atmg SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....577000.....mE.....5455000.....mN DRILLING METHOD..Reverse..... HOLE No..RRC...6.....
 SURFACE R.L.....129.....m BASEMENT R.L.....37.2.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....15.92.....litres PAGE...2.....of...3.....
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF..... GEOLOGIST S. Douglas/R. Munro DATE 24-25/10/82..

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
51	53	26	113.0	0.08	0.13	5.0	5.0	34.0-35.0 Stiff, silty white and ochre clays.
53	55	44	148.9	0.13	0.28	6.3	6.3	35.0-37.0 Sands, grading, from fine to coarse
55	57	14	129.3	0.05	0.09	6.6	7.3	with minor stiff white clays and wash.
57	59	15.5	122.2	0.07	0.12	7.9	7.9	37.0-41.0 Sands grading from fine to coarse.
59	61	31	146.8	0.79	1.66	53.4	53.4	41.0-43.0 Small wash and coarse sands.
61	63	12	100.7	0.24	0.35	28.8	27.1	43.0-46.5 Pale ochre, light brown clays, grey
63	65	11.5	120.6	0.10	0.17	15.0	13.5	clays.
65	67	12	121.9	0.17	0.30	24.6	23.2	46.5-48.0 Sands grading from fine to coarse, with
67	69	.5	107.5	0.04	0.06	122.8	4.8	small wash.
69	71	12	123.7	0.04	0.07	5.9	5.6	48.0-50.5 White clays with medium-coarse sands.
71	73	7	110.0	0.05	0.08	11.2	6.2	50.5-55.0 Fine-medium sands with minor ochre and
73	75	12	101.5	0.07	0.10	8.5	8.0	white clays, some coarse sand.
75	77	10	127.0	0.04	0.07	7.3	5.7	55.0-61.0 Medium to coarse sands, wash.
77	79	9	136.5	0.05	0.10	10.8	7.7	61.0-65.0 Wash.
79	81	12	179.2	0.05	0.13	10.7	10.1	65.0-71.0 Large sandstone wash, some coarse sand.
81	83	10	190.5	0.04	0.11	10.9	8.5	71.0-73.5 No sample.
83	85	10	110.2	0.02	0.03	3.1	2.5	73.5-76.5 Coarse sand, drift, small to medium
85	87	9	160.0	0.02	0.05	5.1	3.4	quartz and mathinna bed sediments wash,
87	89	8	123.5	0.02	0.04	4.4	2.8	thin ferricrete bands with associated
89	91	15	170.0	0.03	0.07	4.9	5.7	yellow silt.
91	93	5	171.7	B.L.D.	-	-	-	76.5-77.8 Coarse sand, drift, mathinna bed type
93	94	2.5	82.2	0.03	0.04	14.1	5.5	wash, grey silts.
94	94.50	1	486.3	B.L.D.	-	-	-	77.8-91.8 Coarse sand, drift, mathinna bed
								sediment type wash, grey silts, and
								gritty clay layers. One pure grey clay
								horizon; wood recorded at 81.8. After
								82 dominatley silty grey clays with
								layers of wash and drift with

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F= 80%

Drillers reported basement at.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....g SnO2

Grade 2 atmg SnO2/m³

604322

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 577000 mE 5455000 mn DRILLING METHOD Reverse HOLE No. RRC. 6
 SURFACE R.L. 129 m BASEMENT R.L. 37.3 m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 3 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas/R. Munro DATE 24-25/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								interstitial impure grey clay, large wash from 90 m.
								91.8-94.5 Decomposed granite basement.
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-7 Trace ilmenite.
								7-27 Ilmenite, Monazite.
								27-31 Pyrite, ilmenite.
								31-51 Ilmenite, monazite.
								51-55 Fine trace tin, ilmenite, monazite.
								55-57 Ilmenite, monazite.
								57-61 Fine trace tin, ilmenite, monazite.
								61-67 Trace tin, ilmenite, monazite.
								67-69 Trace, ilmenite, monazite.
								69-75 Ilmenite, pyrite.
								75-94.50 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....g SnO2

Grade 2 atmg SnO2/m³

604323

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA: Ringarooma Basin COLLAR CO-ORDINATES...5785000.....mE...5454950.....mN DRILLING METHOD...Reverse..... HOLE No...RRG...7.....
 SURFACE R.L...82.....m BASEMENT R.L...45.5.....m CUTTING SHOE/ THEORETICAL...Circulation... PAGE...1...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... BIT DIAMETER...100...mm... VOLUME...15.92...litres
 ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...25/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	3	102.0	0.02	0.03	9.7	1.5	0-1 Top soil.
3	5	20	130.0	0.03	0.06	2.8	2.8	1-3 Coarse sand.
5	7	15	130.5	0.01	-	-	-	3-3.5 Yellow to brown sandy clay.
7	9	13	160.0	B.L.D.	-	-	-	3.5-5 Tenaceous brown clay.
9	11	12	90.0	0.02	0.03	2.1	2.0	5-6.4 Coarse sand brown silt occasional pyrite nodules.
11	13	14	80.0	0.02	0.02	1.6	1.8	
13	15	15	95.9	0.01	-	-	-	6.4-15 Dark brown clays with wood.
15	17	18	107.9	0.01	-	-	-	15-17 Pure light grey clay.
17	19	4*	158.7	B.L.D.	-	-	-	17-18.5 Silty light grey clay occasional pyrite nodules.
19	21	13*	92.0	0.15	0.20	15.1	15.5	
21	23	16	87.1	0.03	0.04	2.3	2.3	18.5-19 Sandy yellow clay.
23	25	15	93.6	0.04	0.05	3.6	4.2	19-21 Sandy yellow silt.
25	27	9.5	80.6	0.04	0.05	4.9	3.6	21-22 Yellow silty drift and sands occasional yellow clay layers.
27	29	9	95.6	0.13	0.18	19.7	13.9	
29	31	11	82.0	0.26	0.30	27.7	23.9	22-23 Light grey pure clays.
31	33	13	206.1	0.03	0.09	6.8	6.9	23-25 Hard yellow or brown clays occasional wood.
33	35	11	191.5	0.02	0.05	5.0	4.3	
35	37	18	124.6	0.06	0.11	5.9	11.0	25-27 Light grey clay.
37	39	7	87.9	0.09	0.11	16.1	8.9	27-28.2 Brown clay.
39	41	7	97.9	0.06	0.08	12.0	6.6	28.2-31 Medium wash mainly water worn Mathinna beds sandstone, yellow silts.
41	42	8	110.4	0.04	0.06	7.9	7.9	31-36.5 Grey clayey silts, medium to large wash, some drift.
								36.5-45 Decomposed granite basement.
								* Denotes "Floater Sample".
								Sample Washers' Heavy Mineral Description:

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...36.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....1.46.....g SnO2

Grade 2 at36.5.....m6.....g SnO2/m³

604324

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES... 5785000mE..... 5454950mN DRILLING METHOD Reverse HOLE No. RRC 7
 SURFACE R.L. 82m BASEMENT R.L. 45.5m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92litres PAGE 2of..... 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD Xrf GEOLOGIST R. Munro DATE 25/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								0-5 Trace of ilmenite.
								5-17 Pyrite.
								17-19 Pyrite, ilmenite.
								19-27 Ilmenite, monazite.
								27-29 Fine trace of tin, ilmenite, pyrite.
								29-31 Trace of tin, ilmenite, pyrite.
								31-42 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 36.5 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at g SnO2/m³
 Total recovered tin 1.46 g SnO2 Grade 2 at 36.5 m 6 g SnO2/m³

604325

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 578000.....mE.....5455800.....mN DRILLING METHOD Reverse..... HOLE No. RRG 8.....
 SURFACE R.L. 83.....m BASEMENT R.L. 30.....m CUTTING SHOE/ THEORETICAL Circulation:.....
 BIT DIAMETER 100 mm..... VOLUME 15.92.....litres PAGE 1.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD XRF..... GEOLOGIST R. Munro..... DATE 25/10 Oct. 82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	118.7	0.01	-	-	-	0-5 Yellow clayey grit and coarse sand.
3	5	10	120.0	0.07	0.12	12.0	9.4	5-6.5 Drift sand, brown to yellow silt.
5	7	6	114.1	0.03	0.05	8.1	3.8	6.5-8.2 Yellow clays ranging from slightly gritty to pure.
7	9	15	192.5	0.01	-	-	-	
9	11	17	114.6	B.L.D.	-	-	-	8.2-12.8 Light brown woody clay.
11	13	10	80.5	0.01	-	-	-	12.8-23 Light grey gritty clay and silt,
13	15	16	83.1	0.01	-	-	-	moderately tenaceous wood layer at 19.5.
15	17	17	94.0	B.L.D.	-	-	-	23-23.5 Woody brown clay.
17	19	12.5	105.6	B.L.D.	-	-	-	23.5-26.5 Light grey gritty clay and silt,
19	21	19	89.0	B.L.D.	-	-	-	moderately tenaceous.
21	23	16	93.2	B.L.D.	-	-	-	26.5-27.5 Yellow clay, occasionally silty.
23	25	12	150.3	0.01	-	-	-	27.5-31 Yellow silty wash, generally small sand
25	27	16	101.3	0.03	0.04	2.7	5.4	and drift.
27	29	10.5	109.0	0.10	0.16	14.8	12.2	31-35 No sample recovery.
29	31	6	97.7	0.11	0.15	25.6	12.1	35-40.5 Drift, small wash, yellow silt.
31	33	-	-	-	-	-	-	40.5-41 Drift, small wash, brown silt.
33	35	-	-	-	-	-	-	41-41.5 White to yellow gritty clay.
35	37	15	103.7	0.19	0.28	18.8	22.1	41.5-43 Drift, small to medium wash, grey silt and
37	39	7	124.3	0.14	0.25	35.5	19.5	clay.
39	41	10.5*	94.7	0.11	0.15	14.2	11.7	43-44 Gray silt.
41	43	15.5*	107.9	0.06	0.09	6.0	7.3	44-47 Drift, small to medium wash, grey silt
43	45	8*	107.7	0.02	0.03	3.9	2.4	and clay.
45	47	11*	96.9	0.02	0.03	2.5	2.2	47-53 Green to grey clays, small wash, drift.
47	49	12*	96.5	0.02	0.03	2.3	2.2	53-55 Decomposed granite basement.
49	51	10*	92.2	0.02	0.03	2.6	2.1	
51	53	13*	132.8	0.02	0.04	2.9	2.9	
53	55	8	90.6	0.06	0.08	9.7	6.1	
55	57	6.5	87.6	0.04	0.05	7.7	3.9	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 5.3.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....1.57.....g SnO2

Grade 2 at 5.3.....m 5.....g SnO2/m³

604326

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 57.5000 mE 54.55100 mN DRILLING METHOD Reverse Circulation HOE No. RRC. 9
 SURFACE R.L. 146 m BASEMENT R.L. 50 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 4
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 27.10.82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	7.5	130.0	0.01	-	-	-	0-1	Coarse sand, granules and minor yellow silt.
3	5	6	100.0	0.02	0.03	4.8	2.2		
5	7	6	90.0	0.04	0.05	8.6	4.0	1-3	White gritty clay.
7	9	7.5	105.5	0.02	0.03	4.0	2.4	3-4	Yellow to white silt.
9	11	5*	90.0	0.03	0.04	7.7	3.0	4-4.5	Yellow silt drift and sand.
11	13	8*	119.2	0.01	-	-	-	4.5-5	Bright yellow gritty silt.
13	15	11*	115.3	0.02	0.03	3.0	2.6	5-5.5	Black drift with organic material.
15	17	10*	140.1	0.06	0.12	12.0	9.4	5.5-7	Drift light brown silts minor iron cementation.
17	19	11*	113.2	0.07	0.11	10.4	8.9		
19	21	13.5*	103.3	0.03	0.04	3.3	3.5	7-8	Cemented brown silty drift.
21	23	8*	126.2	0.04	0.07	9.0	5.7	8-8.8	Brown silt.
23	25	8.5*	106.8	0.13	0.20	23.3	15.6	8.8-9	Light brown clay.
25	27	7	143.7	B.L.D.	-	-	-	9-11	Bright yellow clay.
27	29	11.5*	107.6	0.01	-	-	-	11-13	Drift and coarse sand.
29	31	9*	163.5	0.02	0.05	5.4	3.7	13-16	Drift coarse sand a little white silt, with thin layers of silty grey clay
31	33	10*	111.7	0.07	0.11	11.2	8.8		at 14.5.
33	35	11.5*	127.3	0.10	0.18	15.8	14.2	16-17	Yellow silt and drift.
35	37	10.5*	111.7	B.L.D.	-	-	-	17-19	Light brown silty drift.
37	39	9*	112.3	0.01	-	-	-	19-21	Bright yellow to light yellow and brown silts, rare drift.
39	41	11*	96.6	0.06	-	-	-	21-22.6	Middle brown yellow orange silt.
41	43	13*	148.4	0.01	-	-	-	22.6-23	Light grey clay.
43	45	12*	130.7	B.L.D.	-	-	-	23-27	Brown to yellow silty drift.
45	47	9	94.7	0.07	0.09	10.5	7.4	27-28.8	Yellow silty coarse sand and drift.
47	49	9	124.4	0.02	0.04	3.9	2.8	28.8-35	Drift, large drift, yellow silts and white silt layers at 32.5 and at 34.
49	51	12.5	117.2	B.L.D.	-	-	-	35-38.8	Light grey tenaceous to moderately
51	53	8	132.9	B.L.D.	-	-	-		
53	55	6	111.7	B.L.D.	-	-	-		
55	57	9.5	97.5	B.L.D.	-	-	-		

Grade 1 calculated by relating recovered volume to recovered tin.

Drillers reported basement at 96.0 m

Total recovered volume, surface to basement 11.5 litres

Total recovered tin 2.31 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Grade from surface to inferred basement

Grade 1 at 15.92 m g SnO2/m³

Grade 2 at 9.6 m 4 g SnO2/m³

604328

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD...Reverse..... HOLE No...RRC...9.....
 SURFACE R.L.....m BASEMENT R.L.....m CUTTING SHOE/ THEORETICAL 13.92 Circulation
 BIT DIAMETER.....100 mm..... VOLUME.....litres PAGE...2...of...4
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	6.5	99.5	0.01	-	-	-	tenaceous silty clay.
59	61	10*	95.7	B.L.D.	-	-	-	38.8-40 Sandy grey silt.
61	63	13	85.0	0.07	0.09	6.5	6.7	40-41 Light yellow silty drift.
63	65	8	97.0	B.L.D.	-	-	-	41-42 Drift, sand and rare small wash.
65	67	10	137.3	0.02	0.04	3.9	3.1	42-42.4 Tenaceous white silty clay.
67	69	12.5	87.9	0.01	-	-	-	42.4-43 Large drift with iron cement coatings.
69	71	11	89.2	0.01	-	-	-	43-44 Yellow tenaceous clay.
71	73	16	114.0	0.02	0.03	2.0	2.0	44-45 Yellow silty drift and sand, thin yellow clay layers.
73	75	10	109.9	0.01	-	-	-	
75	77	11	152.3	0.02	0.04	4.0	3.4	45-47 White drift, sand and silt.
77	79	15	90.7	0.02	0.03	1.7	2.0	47-49 White to light grey clay and silt.
79	81	10	116.7	0.07	0.12	11.7	9.1	49-50 White to light grey clay, silt and drift.
81	83	13	126.4	0.07	0.13	9.7	9.9	50-50.7 Medium yellow tenaceous clay grading to yellow, brown and orange clay.
83	85	12	126.6	0.05	0.09	7.5	7.1	
85	87	10	111.1	0.05	0.08	7.9	6.2	50.7-59 Dark grey to dark brown slightly silty clay, wood plant matter including small logs.
87	89	10	85.8	0.10	0.12	12.3	9.6	
89	91	11.5	141.3	0.02	0.04	3.5	3.2	59-62 Grey sand, silt.
91	93	13	105.5	0.04	0.06	4.6	4.7	62-63.4 Drift, white silt, minor iron cement.
93	95	11.5	105.3	0.04	0.06	5.2	4.7	63.4-65 Brown silts, wood, gritty clay.
95	97	10	108.4	0.04	0.06	6.2	4.9	65-67 Fine to medium sand, pyritic cemented sand, grey brown silt and wood.
97	98	4	99.6	0.04	0.06	14.2	8.9	
98	99	8	110.7	0.04	0.06	7.9	7.9	67-67.5 Tenaceous brown woody clay.
								67.5-76 Dark brown silty drift, coarse sand, occasional woody horizons.
								76-77 Brown gritty silt with clay and sands, also drift.
								77-79 Brown silts, wood, drift, coarse sand and

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at.....96.0.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....2.31.....g SnO2

Grade 2 at96.....m4.....g SnO2/m³

00427

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD.....Reverse
 SURFACE R.L.....m BASEMENT R.L.....m CUTTING SHOE/ BIT DIAMETER.....100 mm..... THEORETICAL VOLUME.....15.92.....litres
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD.....XRF..... GEOLOGIST..... DATE.....

HOLE No...RRC...9.....
 PAGE...3...of...4.....
 DATE.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								79-79.8 grey gritty clay seams.
								Drift, iron stone nodule, yellow silt.
								79.8-80 Large drift and yellow clay layer.
								80-81 Light grey pure clay, coming silty
								towards 81 metres.
								81-82.5 Drift and yellow sand.
								82.5-82.8 Grey to light brown gritty clay and drift.
								82.8-85.2 Tenaceous medium to dark coloured brown clay wood, layers of drift and sand.
								85.2-85.7 Grey gritty clays.
								85.7-89 Small to medium sandstone wash light grey silty clay drift.
								89-90.3 Small to medium wash, drift, silts and clays grading to pure yellow to brown silty clay towards 90.3
								90.3-91 Yellow gritty clay.
								91-93 Mottled white to grey impure clays, quartz, milky quartz, sandstone and quartzite wash, minor drift.
								93-95 Similar wash material, iron cement coatings, yellow clay.
								95-99 Granite basement

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at...96.0...m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin.....2.31.....g SnO2 Grade 2 at96.....m4.....g SnO2/m³

604330

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA...Ringarooma..Basin COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD...Reverse..... HOLE No...REC...9.....
 SURFACE R.L.....m BASEMENT R.L.....m CUTTING SHOE/
 BIT DIAMETER...100 mm THEORETICAL Circulation
 VOLUME.....15.92 litres PAGE...4...of...4.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore.. ASSAY METHOD...XRF..... GEOLOGIST..... DATE.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								<u>Sample Washer's Heavy Mineral Descriptions:</u>
								0-3 Trace of ilmenite.
								3-15 Ilmenite.
								15-19 Very fine trace tin, ilmenite.
								19-23 Ilmenite, monazite.
								23-25 Fine trace tin, ilmenite.
								25-33 Ilmenite.
								33-35 Very fine trace tin, ilmenite, monazite.
								35-51 Ilmenite, monazite.
								51-75 Pyrite.
								75-79 Ilmenite.
								79-85 Ilmenite, monazite, pyrite.
								85-89 Fine trace tin, ilmenite, monazite.
								89-91 Ilmenite, pyrite.
								91-95 Fine trace tin, pyrite.
								95-99 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...96.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin...2.31.....g SnO2

Grade 2 at ...96.....m ...4.....g SnO2/m³

004331

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 575900 mE 5455100 mN DRILLING METHOD Reverse HOLE No. RRC 10
 SURFACE R.L. 121 m BASEMENT R.L. 47.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 27-28/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	4	104.2	B.L.D.	-	-	-	0-3.5	Brown silty coarse sand followed by gritty yellow to orange silty clay.
3	5	14	110.3	0.02	0.03	2.3	2.5		
5	7	15	171.5	0.01	-	-	-	3.5-7	Pure grey tenaceous clay; sub-ordinate pink mottling grading to yellow mottling from 4.4 m.
7	9	2.5	124.5	0.04	0.07	28.5	5.6		
9	11	11.5	110.0	0.10	0.16	13.7	12.3	7-8	Sand, minor yellow silt.
11	13	5.5	101.6	0.30	0.44	79.7	34.1		
13	15	10.5	133.0	0.03	0.06	5.4	4.5	8-10	Sand, drift, minor yellow silt.
15	17	8	112.2	0.01	-	-	-	10-11	
17	19	7	122.2	0.04	0.07	10.0	5.5	11-14.2	Yellow silty sand and drift; occasional coarse drift.
19	21	8.5	95.1	0.02	0.03	3.2	2.1		
21	23	10	123.8	0.01	-	-	-	14.2-14.8	Medium to light soft grey clay.
23	25	5	126.3	0.01	-	-	-	14.8-19.2	
25	27	10	100.0	0.02	0.03	2.9	2.2	19.2-21	Sands, drift, light yellow silts.
27	29	11	100.9	0.06	0.09	7.9	6.8	21-23	
29	31	6.5	124.6	0.08	0.14	21.2	11.2	23-29	Sands drift, light yellow silt.
31	33	10	102.6	0.02	0.03	2.9	2.3	29-31	
33	35	11	123.8	0.01	-	-	-		Medium drift, rare coarse drift, minor grey silty clay.
35	37	12	110.0	0.07	0.11	9.2	8.6	31-35.2	
37	39	11	84.6	0.16	0.19	17.6	15.2	35.2-36	Transitional change to grey gritty and silty clay.
39	41	10.5	97.3	0.07	0.10	9.3	7.6		
41	43	18.5	119.7	0.05	0.09	2.3	2.3	36-43.5	Drift, sands, light grey to brown silts.
43	45	10	109.7	0.01	-	-	-	43.5-44.5	
45	47	6	124.9	B.L.D.	-	-	-	44.5-46	Brown silty clay with wood.
47	49	18	120.2	0.03	0.05	2.9	2.9	46-46.8	
49	51	15	138.3	0.03	0.06	4.0	4.7	46.8-47	Light brown pure clay.
51	53	10	134.0	0.07	0.13	13.4	10.5	47-49	
53	55	20	103.1	0.15	0.22	11.1	11.1		wash.
55	57	32	111.7	0.16	0.26	8.0	8.0	49-50	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 73.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 6.06 g SnO2

Grade 2 at 73.4 m 10 g SnO2/m³

604332

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 575900 mE 5455100 mN DRILLING METHOD Reverse HOLE No. RRC 10
 SURFACE R.L. 121 m BASEMENT R.L. 47.6 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation litres PAGE 2 of 3
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 27-28-10-82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	22	175.4	0.13	0.33	14.8	14.8	50-52 Medium to coarse drift, small to medium wash including sandstone wash.
59	61	33.5	115.3	0.24	0.40	11.8	11.8	
61	63	11	114.8	0.08	0.13	11.9	10.3	52-52.9 Soft, silty light grey clay.
63	65	12.5	155.1	0.11	0.24	19.5	19.1	52.9-62 Drift, small wash, yellow silt, occasional medium to large wash.
65	67	27	104.8	1.00	1.50	55.5	55.5	
67	69	9	123.0	0.18	0.32	35.1	24.8	62-67 Light grey to brown silty and sandy clays.
69	71	10	106.6	0.19	0.29	28.9	22.7	67-72.4 Wash, drift, yellow silt, seams of white impure clay at 68 m; yellow clay at 70 m.
71	73	13.5	100.4	0.06	0.09	6.4	6.7	
73	75	11.5	155.5	0.04	0.09	7.7	7.0	72.4-73.4 Tenaceous grey clay containing drift and wash.
75	76	3.5	131.0	0.04	0.07	21.4	11.8	
76	77	22.5	132.6	0.14	0.27	11.8	11.8	73.4-77 Decomposed granite basement.
<u>Sample Washer's Heavy Mineral Descriptions:</u>								
								0-3 Fine trace tin, ilmenite. 3-7 Ilmenite.
								7-11 Ilmenite, monazite.
								11-13 Trace tin, ilmenite, monazite.
								13-15 Fine trace tin, ilmenite, monazite.
								15-25 Ilmenite, monazite.
								25-27 Ilmenite.
								27-35 Ilmenite, monazite.
								35-37 Fine trace tin, ilmenite, monazite.
								37-39 Trace tin, ilmenite, monazite.
								39-43 Fine trace tin, ilmenite, monazite.
								43-45 Ilmenite, monazite.
								45-51 Pyrite.
								51-53 Fine trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 73.4 m

Grade from surface to inferred basement

Total recovered volume, surface to basement — litres

Grade 1 at — m g SnO2/m³

Total recovered tin 6.06 g SnO2

Grade 2 at 73.4 m 10 g SnO2/m³

604333

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....5777000.....mE.....5456000.....mN DRILLING METHOD.....Reverse..... HOLE No.....RRC...11.....

SURFACE R.L.....104.....m BASEMENT R.L.....45.0.....m CUTTING SHOE/ BIT DIAMETER.....100 mm..... THEORETICAL CIRCULATION VOLUME.....15.92.....litres PAGE.....1.....of.....2.....

DRILLER...R. Miller..... SAMPLE WASHER...S. Moore... ASSAY METHOD.....XRF..... GEOLOGIST...S. Douglas..... DATE...28/10/82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	147.0	0.03	0.06	10.2	3.2	0-4 Coarse sands and brown silts.
3	5	6	107.7	0.06	0.09	15.4	7.3	4.0-5.0 Red-brown clays and ferricrete pebbles.
5	7	4.5	124.0	0.02	0.04	7.9	2.8	5.0-7.5 Medium-coarse sands.
7	9	5	124.8	0.02	0.04	7.1	2.8	7.5-14.0 Stiff white clays.
9	11	6	118.4	0.02	0.03	5.6	2.7	14.0-15.0 Coarse sand and small wash.
11	13	3.5	101.7	0.04	0.06	16.6	4.6	15.0-19.0 Stiff white silty clay with minor coarse sands.
13	15	5	107.7	0.01	-	-	-	
15	17	12	107.9	0.04	0.06	5.1	4.1	19.0-23.0 Coarse sands and small wash.
17	19	11	127.5	0.09	0.16	14.9	12.9	23.0-35.0 Fine-medium sands with minor clays (white) and some small wash.
19	21	10	123.7	0.16	0.28	28.3	22.2	
21	23	12	125.0	0.03	0.05	4.5	4.2	35.0-53.0 Stiff white clays with fine-medium sands.
23	25	8	115.9	0.06	0.10	12.4	7.8	53.0-55.0 Wash, mainly quartz, minor sandstone.
25	27	10.5	119.6	0.01	-	-	-	
27	29	13	150.3	0.10	0.21	16.5	16.9	55.0-58.5 Blue-grey and grey sandy clays with minor wash.
29	31	12	110.0	0.20	0.31	26.2	24.7	58.5-59.0 Large wash, mainly sandstone.
31	33	10	116.3	0.19	0.32	31.6	24.8	59.0-63.0 Blue-grey and mottled white, blue-grey sandy clays with quartz fragments.
33	35	11	156.9	0.20	0.45	40.8	35.2	
35	37	15	109.4	0.11	0.17	11.5	13.5	Basement at 59.0
37	39	12	138.0	0.12	0.24	19.7	18.6	
39	41	16	126.6	0.08	0.14	9.0	9.0	<u>Sample Washer's Heavy Mineral Descriptions:</u>
41	43	17	190.0	0.11	0.30	17.6	17.6	0-17 Ilmenite, monazite.
43	45	11.5	96.1	0.19	0.26	22.7	20.5	17-19 Fine trace tin, ilmenite, monazite.
45	47	14	107.2	0.12	0.18	13.1	14.4	19-21 Trace tin, ilmenite, monazite.
47	49	22	117.3	0.06	0.15	6.9	6.9	21-29 Ilmenite, monazite.
49	51	23.5	99.0	0.08	0.11	4.8	4.8	29-35 Trace tin, ilmenite, monazite.
51	53	16	103.7	0.14	0.21	12.9	12.9	35-43 Fine trace tin, ilmenite, monazite.
53	55	14	135.6	0.08	0.15	11.1	12.2	43-49 Trace tin, ilmenite, monazite.
55	57	8*	106.4	0.10	0.15	19.0	11.9	49-53 Fine trace tin, ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....59.0.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....4.80.....g SnO2

Grade 2 at59.0.....m12.00.....g SnO2/m³

604333

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Bingarooma Basin COLLAR CO-ORDINATES 5777000 mE 5456000 mN DRILLING METHOD Reverse HOLE No. RRC. 11
 SURFACE R.L. 104 m BASEMENT R.L. 45.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 28/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
57	59	18*	138.8	0.05	0.10	5.5	5.5	53-55	Ilmenite, pyrite.
59	61	13*	82.0	0.03	0.04	2.7	2.8	55-65	Pyrite.
61	63	11	96.5	0.11	0.15	13.8	11.9		
63	65	8	118.7	0.10	0.10	21.2	13.3		

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 59.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement - litres Grade 1 at m g SnO2/m³
 Total recovered tin 4.80 g SnO2 Grade 2 at 59.0 m 12.00 g SnO2/m³

604336

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 5776000 mE 5454000 mN DRILLING METHOD Reverse HOLE No. RRC.12.
 SURFACE R.L. 110 m BASEMENT R.L. 46.5 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	3	104.9	0.06	0.09	30.0	4.7	0-1.0 Medium-coarse sand, brown silt.
3	5	4	119.9	0.12	0.21	51.4	16.1	1.0-4.5 Ochre sandy clays, minor coarse sand.
5	7	4*	127.9	0.04	0.07	18.3	5.7	4.5-5.2 Ferricrete.
7	9	7*	164.2	0.03	0.07	10.1	5.5	5.2-5.5 Coarse sands.
9	11	7*	94.5	0.04	0.05	7.7	4.2	5.5-8.5 Ochre clays and sandy clays with minor fine sands.
11	13	5	139.7	0.02	0.04	8.0	3.1	
13	15	5	112.4	0.02	0.03	6.4	2.5	8.5-9.0 Coarse sands.
15	17	6	116.4	0.03	0.05	8.3	3.9	9.0-10.0 Stiff ochre and white clays.
17	19	7	121.6	0.09	0.16	22.3	12.3	10.0-19.0 Medium-coarse sands with minor ochre and grey clays.
19	21	11	94.3	0.10	0.13	12.3	10.6	
21	23	14	168.5	0.03	0.07	5.2	5.7	19.0-21 Coarse sands and small wash with minor ochre and grey clays.
23	25	11.5	92.2	0.01	-	-	-	
25	27	17	99.0	0.02	0.03	1.7	1.7	21.0-23 Ochre and grey clays with fine to medium sands.
27	29	10	151.8	0.01	-	-	-	
29	31	15	128.9	0.02	0.04	2.5	2.9	23.0-28.5 Medium-coarse sands (with minor white clays at 26.0).
31	33	16.5	95.5	0.02	0.03	1.7	1.7	
33	35	20	124.0	0.02	0.04	1.8	1.8	28.5-34.5 Ochre, grey and mottled ochre - grey clays.
35	37	20*	96.6	1.61	2.22	111.1	111.1	
37	39	16*	92.5	1.42	1.88	117.3	117.3	34.5-37.0 Medium-coarse sands and small wash.
39	41	16*	84.1	0.09	0.83	51.8	51.8	37.0-51.0 Wash; predominantly sandstone, with some coarse sands; minor clays.
41	43	21.5	110.0	0.34	0.53	24.9	24.9	
43	45	20*	141.7	0.16	0.32	16.2	16.2	51.0-54.0 Silty grey clays, some coarse sands,
45	47	11.5*	90.4	0.09	0.12	10.1	9.1	54.0-56.8 Small wash.
47	49	20*	110.0	0.09	0.14	7.1	7.1	56.8-58.0 Stiff white silty clays.
49	51	21.5*	103.4	0.09	0.13	6.2	6.2	58.0-58.5 Small wash.
51	53	12.5*	95.6	0.03	0.04	3.3	3.2	58.5-59.0 Stiff grey silty clays.
53	55	12*	123.7	0.10	0.18	14.7	13.9	59.0-60.8 Wash, including large sandstone wash.
55	57	10*	104.4	0.07	0.10	10.4	8.2	60.8-61.5 Stiff grey silty clays.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F. = 80%

Drillers reported basement at 63.5 m

Grade from surface to Inferred basement

Total recovered volume, surface to basement litres

Grade 1 at m g SnO2/m³

Total recovered tin 27.91 g SnO2

Grade 2 at m 15.92 g SnO2/m³

604337

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Ringarooma..Basin COLLAR CO-ORDINATES...5776000.....mE...5454000.....mN DRILLING METHOD..Reverse..... HOLE No..RRG...42.....
 SURFACE R.L.....110.....m BASEMENT R.L...46.5.....m CUTTING SHOE/ THEORETICAL Circulation: PAGE...2...of...2.....
 BIT DIAMETER.....100..mm..... VOLUME..15.92.....litres
 DRILLER..R..Miller..... SAMPLE WASHER...Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S..Douglas..... DATE.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	11	79.7	0.08	0.09	8.3	7.2	61.5-63.5 Small wash and coarse sands.
59	61	12.5	87.8	0.08	0.10	8.0	7.9	63.5-65.0 Weathered granite fragments.
61	63	10*	132.6	0.02	0.04	3.8	3.0	<u>Sample Washer's Heavy Mineral Descriptions:</u>
63	65	8*	103.7	0.05	0.07	9.3	5.8	
								0-9 Fine trace tin, ilmenite, monazite.
								9-19 Ilmenite, monazite.
								19-23 Fine trace tin, ilmenite, monazite.
								23-35 Ilmenite, monazite.
								35-37 Small amount tin, ilmenite, monazite.
								37-39 Tin, ilmenite, monazite.
								39-45 Trace tin, ilmenite, monazite.
								45-47 Fine trace tin, ilmenite, monazite.
								47-49 Very fine trace tin, ilmenite, pyrite.
								49-51 Very fine trace tin, ilmenite.
								51-53 Very fine trace tin, ilmenite, pyrite.
								53-55 Ilmenite, pyrite.
								55-61 Pyrite,
								61-63 Pyrite, ilmenite.
								63-65 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....27.91.....g SnO2

Grade 2 at63.5.....m15.05.....g SnO2/m³

604338

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES...576040.....mE.....5453056.....mN DRILLING METHOD Reverse..... HOLE No...RRG...13.....
 SURFACE R.L. 109.9.....m BASEMENT R.L.m CUTTING SHOE/ 100 mm THEORETICAL Circulation VOLUME...15.92.....litres PAGE...1...of...2.....
 DRILLER...R. Miller..... SAMPLE WASHER...S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...S. Douglas..... DATE...29/10/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	10	138.6	0.02	0.04	0.3	2.1	0-1.0 Coarse sand and brown silt.
3	5	8	144.2	0.02	0.04	5.2	3.2	1.0-5.0 Ochre clays and sandy clays.
5	7	10	112.7	0.01	0.02	1.6	1.3	5.0-5.5 Coarse sands.
7	9	10.5	110.0	0.01	0.02	1.5	1.3	5.5-8.25 Clays:- ochre, white, brown, mottled ochre/grey.
9	11	9	146.8	0.02	0.04	4.7	3.3	8.25-10.0 Medium-coarse sand, dark brown silt and clays with wood fragments, some pyrite.
11	13	8	125.5	0.05	0.09	11.2	7.0	
13	15	8.5	114.0	0.01	0.02	1.9	1.3	10.5-12.0 Stiff light grey clays.
15	17	9	114.4	0.03	0.05	5.5	3.9	
17	19	9	107.5	0.04	0.06	6.8	4.8	12.0-15.0 Medium-coarse sands with minor grey clays.
19	21	10.5	124.2	0.07	0.12	11.8	9.7	
21	23	9.5	111.5	0.09	0.14	15.1	11.3	15.0-15.5 Brown and grey silty clays.
23	25	18	96.9	0.23	0.32	17.7	17.7	15.5-22.8 Coarse sands and small wash (some bird's-eye; some sandstone.)
25	27	7	99.0	0.06	0.08	12.1	6.7	
27	29	7	99.1	0.16	0.23	32.4	17.8	22.8-24.5 White clays and sandy clays.
29	31	10.5	103.7	0.30	0.44	42.3	34.9	24.5-25.5 Small wash.
31	33	8	170.3	0.12	0.31	38.2	24.0	25.5-27.0 White silty clays with minor coarse sands.
33	35	11	107.9	0.26	0.40	36.4	31.5	
35	37	9.5	126.7	0.15	0.27	28.6	21.3	27.0-33.0 Medium-coarse sands with some small wash.
37	39	12	163.4	0.70	1.63	136.2	128.3	
39	41	10.5	116.7	0.24	0.40	38.1	31.4	33.0-45.5 Wash, including large sandstone pebbles.
41	43	11	132.0	0.26	0.49	44.6	38.5	45.5-47.0 White sandy clays.
43	45	8.5	90.0	0.21	0.27	31.8	21.2	47.0-57.0 Wash with some coarse sands.
45	47	8	186.0	0.08	0.21	26.6	16.7	57.0-62.8 Coarse sands and small wash with minor grey clays.
47	49	12.5	110.0	0.06	0.09	7.5	7.4	
49	51	11	98.6	0.31	0.44	39.7	34.3	62.8-63.0 Stiff grey brown sandy clays.
51	53	11	123.8	0.11	0.19	17.7	15.3	63.0-65 Coarse and fine, white clays and sandy clays.
53	55	18	86.0	0.28	0.34	19.1	19.1	
55	57	22	141.5	0.10	0.20	9.2	9.2	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin...19.68.....g SnO2

Grade 2 at ...63.5.....m ...42.6.....g SnO2/m³

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD Reverse HOLE No. RRC. 13
 SURFACE R.L.....m BASEMENT R.L.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER 100 mm VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
57	59	14.5	115.1	0.05	0.08	5.7	6.5	<u>Sample Washer's Heavy Mineral Descriptions:</u>	
59	61	14.5	94.3	0.08	0.11	7.4	8.5		
61	63	22	see sizing results	"	4.19	190.6	190.6	0-7	Ilmenite, monazite.
63	65	11	" "	"	8.32	756.6	653.2	7-11	Ilmenite.
								11-21	Ilmenite, monazite.
								21-23	Very fine trace tin, ilmenite, monazite.
								23-25	Trace tin, ilmenite, monazite.
								25-27	Ilmenite, monazite.
								27-43	Trace tin, ilmenite, monazite.
								43-47	Fine trace tin, ilmenite.
								47-49	Pyrite.
								49-51	Fine trace tin, pyrite.
								51-53	Ilmenite, Monazite, pyrite.
								53-55	Fine trace tin, pyrite.
								55-61	Pyrite.
								61-63	Birdseye wash, no bottom, small amount tin, ilmenite, pyrite.
								63-65	Birdseye wash, no bottom, tin, ilmenite, pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement.....litres Grade 1 atm g SnO2/m³
 Total recovered tin 19.68g SnO2 Grade 2 at 63.5m 42.6g SnO2/m³

AFC710

AUSTRALIAN ANGLO AMERICAN LTD.

Cassiterite Sizing Results

Hole RRC. 13

	NOMINAL MESH NOS.	APERTURE mm	g OF SnO ₂ ASSAYED	PERCENTAGE SnO ₂ (FRACTION)	CUMM. PERCENTAGE SnO ₂
Sample Interval <u>61-63</u>					
	plus 22	.71	0.060		
SAMPLE VOLUME <u>22.1</u>	plus 30	.5	0.114		
GRADE <u>190.6 g/m³</u>	plus 60	.25	2.034		
TOTAL GRAMS OF SnO₂ <u>4.194</u>	plus 120	.125	1.909		
	minus 120		0.077		
Sample Interval <u>63-65</u>					
	plus 22	.71	0.060		
SAMPLE VOLUME <u>11.01</u>	plus 30	.5	0.200		
GRADE <u>653.2 g/m³</u>	plus 60	.25	5.282		
TOTAL GRAMS OF SnO₂ <u>8.322</u>	plus 120	.125	2.496		
	minus 120		0.285		
Sample Interval _____					
	plus 22	.71			
SAMPLE VOLUME _____	plus 30	.5			
GRADE _____	plus 60	.25			
TOTAL GRAMS OF SnO₂ _____	plus 120	.125			
	minus 120				

604341

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA..Ringarooma..Basin COLLAR CO-ORDINATES...576040.....mE.....5453056.....mN DRILLING METHOD...Reverse..... HOLE No..RRG...13..R.
 SURFACE R.L. 109.9.....m BASEMENT R.L. 43.4.....m CUTTING SHOE/ THEORETICAL Circulation
 BIT DIAMETER... 100 mm..... VOLUME...15.92.....litres PAGE...1.....of.....2.....
 DRILLER..R. Miller..... SAMPLE WASHER..S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST..S. Douglas..... DATE..13..11..82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	6	80.0	0.65	0.74	123.8	38.9	57-62.8 Coarse sands, small wash, some birdseye, minor grey clays.
3	5	8	80.0	0.11	0.13	15.7	9.9	
5	7	8	81.0	0.03	0.03	4.4	2.7	62.8-63.0 Stiff grey and grey-brown sandy clays.
7	9	9	80.0	0.03	0.03	3.8	2.7	63.0-66.5 Coarse sands, minor fine sands and sandy clays.
9	11	13	87.4	0.08	0.10	7.7	7.8	66.5-67.0 Stiff grey/white mottled sandy clays.
11	13	10	83.7	0.07	0.08	8.4	6.6	
13	15	14	117.0	0.03	0.05	3.6	3.9	67.0-71.0 Granite (quartz grains, felspar, white silt).
15	17	10	81.2	0.03	0.03	3.5	2.7	
17	19	12	86.4	0.13	0.16	13.4	12.6	Basement at 66.5 m
19	21	11	104.4	0.04	0.06	5.4	4.7	Sample Washer's Heavy Mineral Descriptions:
21	23	13	80.3	0.15	0.17	13.2	13.5	
23	25	11	103.6	0.12	0.18	16.2	13.9	
25	27	13	80.0	0.02	0.02	1.8	1.8	0-3 Trace tin, ilmenite, monazite.
27	29	12	80.4	0.17	0.20	16.3	15.3	3-21 Ilmenite, monazite.
29	31	13.5	80.0	0.71	0.81	60.1	63.7	21-23 Fine trace tin, ilmenite, monazite.
31	33	13	83.3	0.15	0.18	13.7	14.0	23-29 Ilmenite, monazite.
33	35	16	80.5	0.77	0.89	55.3	55.3	29-37 Trace tin, ilmenite, monazite.
35	37	9	80.2	0.17	0.19	21.6	15.3	37-41 Small amount tin, ilmenite, monazite.
37	39	17	80.0	3.26	3.73	219.2	219.2	41-43 Trace tin, ilmenite, monazite.
39	41	10.5	100.0	1.17	1.67	159.2	131.2	43-45 Ilmenite, monazite.
41	43	9	83.9	0.23	0.28	30.6	21.6	45-47 Fine trace tin, ilmenite, pyrite.
43	45	7	87.2	0.13	0.16	23.1	12.7	47-51 Ilmenite, pyrite.
45	47	6	99.4	0.09	0.13	21.3	10.0	51-53 Pyrite.
47	49	5.5	103.6	0.04	0.06	10.8	4.7	53-55 Fine trace tin, pyrite.
49	51	7	133.0	0.06	0.11	16.3	9.3	55-63 Pyrite.
51	53	5	86.2	0.03	0.04	73.9	2.9	63-65 Trace tin, pyrite.
53	55	12	82.6	0.18	0.21	17.7	16.7	65-67 Small amount tin, pyrite.
55	57	8	77.6	0.12	0.13	16.6	10.4	67-71 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at...66.5.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....15.49.....g SnO2

Grade 2 at66.5.....m32.89.....g SnO2/m³

504349

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES.....mE.....mN DRILLING METHOD.....Reverse
 SURFACE R.L.....m BASEMENT R.L.....m CUTTING SHOE/ BIT DIAMETER.....100 mm THEORETICAL Circulation
 VOLUME.....15.92.....litres PAGE.....2.....of.....2
 DRILLER.....R. Miller..... SAMPLE WASHER.....S. Moore..... ASSAY METHOD.....XRF..... GEOLOGIST.....S. Douglas..... DATE.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
57	59	12	88.6	0.04	0.05	4.2	4.0	
59	61	10	78.6	0.06	0.07	6.7	5.3	
61	63	9	104.8	0.10	0.15	16.6	11.8	
63	65	16	88.0	1.75	2.20	137.5	137.5	
65	67	9	80.5	1.98	2.28	253.0	178.7	
67	69	5	82.3	0.07	0.08	16.5	6.5	
69	71	5.5	86.3	0.07	0.09	15.7	6.8	

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at.....66.5.....m Grade from surface to inferred basement
 Total recovered volume, surface to basement..... litres Grade 1 atm g SnO2/m³
 Total recovered tin.....15.49.....g SnO2 Grade 2 at66.5.....m32.89.....g SnO2/m³

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AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES...57.6000.....mE...54.56000.....mN DRILLING METHOD Reverse..... HOLE No. RBC...14.....
 SURFACE R.L. 128.....m BASEMENT R.L. 42.0.....m CUTTING SHOE/ THEORETICAL Circulation PAGE...1...of...2.....
 BIT DIAMETER...100.....mm VOLUME...15.92.....litres
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD XRF..... GEOLOGIST S. Douglas..... DATE 29/10/82.....

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
From m	To m							
0	3	13.5	101.4	0.05	0.07	5.4	3.8	0-0.5 Brown silts and clay.
3	5	5	135.0	0.04	0.08	15.4	6.1	0.5-2.5 Red and ochre clays.
5	7	9.5	112.7	0.03	0.05	5.1	3.8	2.5-3.0 Brown silts and coarse sand.
7	9	13	90.0	0.13	0.17	12.9	13.1	3.0-5.0 Stiff ochre and grey silty clays.
9	11	13	94.5	0.05	0.07	5.2	5.3	5.0-7.0 Medium-coarse sands, small wash.
11	13	12	165.8	0.02	0.05	4.0	3.7	7.0-8.0 Stiff white clays with minor fine sands.
13	15	7	123.7	0.02	0.04	5.1	2.8	8.0-10.8 Sands grading from coarse to fine and dark brown silts.
15	17	7	117.3	0.07	0.12	16.8	9.2	
17	19	12	81.1	0.10	0.12	9.7	9.1	10.8-15.0 Stiff white silty clays with minor occurrences of light grey and ochre clay.
19	21	10.5	89.9	0.23	0.30	28.1	23.2	
21	23	11	90.4	0.09	0.12	10.6	9.1	15.0-23.5 Fine-medium sands, becoming coarse, with some small wash at 23.0.
23	25	8.5	120.4	0.02	0.03	4.1	2.7	
25	27	10	91.2	0.05	0.07	6.5	5.1	23.5-26.5 Stiff white silty clays.
27	29	17	94.9	0.04	0.05	3.2	3.2	26.5-31.0 Fine-medium sands.
29	31	19	116.1	0.04	0.07	3.5	3.5	31.0-33.0 Stiff light grey clays.
31	33	7	110.8	0.01	-	-	-	33.0-35.5 Fine-medium sands and silt.
33	35	15.5	96.6	0.02	0.03	1.8	2.2	35.5-37.0 Medium-coarse sands.
35	37	14.5	91.4	0.05	0.07	4.5	5.1	37.0-44.0 Fine-medium sands, with small wash from 41.0.
37	39	15	101.4	0.20	0.29	19.3	22.7	
39	41	26.5	104.8	0.05	0.07	2.8	2.8	44.0-46.0 Stiff white clays.
41	43	19	122.2	0.03	0.05	2.8	2.8	46.0-49.5 Coarse sands, with small wash from 47.0.
43	45	13	100.5	0.05	0.07	5.5	5.6	49.5-52.0 Stiff light grey clays.
45	47	13.5*	96.2	0.09	0.12	9.2	9.7	52.0-55.5 Fine-medium sands with some small wash.
47	49	25	98.4	0.09	0.13	5.1	5.1	55.5-59.0 Stiff mottled ochre/grey clays.
49	51	10	148.3	0.02	0.04	4.2	3.3	59.0-64.0 Sands grading from fine to coarse with small wash.
51	53	15.5	113.4	0.04	0.06	4.2	5.1	
53	55	20	122.2	0.13	0.23	11.4	11.4	64.0-64.75 Stiff grey and brown silty clays.
55	57	16.5*	125.2	0.02	0.04	2.2	2.2	64.75-70.5 Small wash with minor coarse sands.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 36.75.....m

Grade from surface to inferred basement

Total recovered volume, surface to basement.....litres

Grade 1 atm g SnO2/m³

Total recovered tin.....5.749.....g SnO2

Grade 2 at 36.75.....m 8.63.....g SnO2/m³

DUP

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES mE mN DRILLING METHOD Reverse HOLE No. RRC 14
 SURFACE R.L. m BASEMENT R.L. m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 29/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
57	59	11.5*	145.1	0.01	-	-	-	70.5-73.5 Stiff ochre sandy clays, and grey silty clays with minor coarse sands.
59	61	21.5*	101.6	0.02	0.03	1.4	1.4	
61	63	25*	133.7	0.08	0.15	6.1	6.1	73.5-74.0 Medium-coarse sands and small wash.
63	65	14*	103.4	0.07	0.10	7.4	8.1	74.0-76.0 Wash.
65	67	14	104.5	0.24	0.36	25.6	28.1	76.0-80.5 Medium-coarse sands, some wash with minor stiff grey sandy clays.
67	69	16	102.2	0.68	0.99	62.1	62.1	
69	71	19	104.7	0.16	0.24	12.6	12.6	80.5-83.5 Stiff grey-brown and grey silty clays with small wash at 82.5.
71	73	15	105.8	0.02	0.03	2.0	2.4	
73	75	13	103.0	0.21	0.31	23.8	24.3	83.5-86.75 Medium-coarse sands with some small wash.
75	77	24	154.9	0.09	0.20	8.3	8.3	
77	79	13.5	120.7	0.08	0.14	10.2	10.8	86.75-88.0 Minor grey clays, medium-coarse drift, weathered granite fragments.
79	81	17	238.4	0.04	0.14	8.0	8.0	
81	83	5.5	103.4	0.02	0.03	5.4	2.3	Basement at 86.75.
83	85	18	109.7	0.06	0.09	5.2	5.2	
85	87	20	138.4	0.08	0.16	7.9	7.9	Sample Washer's Heavy Mineral Descriptions: 0-65 Ilmenite, monazite. 65-69 Fine trace tin, ilmenite, monazite. 69-71 Fine trace tin, ilmenite, pyrite. 71-73 Pyrite. 73-75 Very fine trace tin, pyrite. 75-88 Pyrite.
87	88	30	95.2	0.14	0.19	6.4	6.4	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 86.75 m

Grade from surface to Inferred basement

Total recovered volume, surface to basement 1.0 litres

Grade 1 at m g SnO2/m³

Total recovered tin 5.749 g SnO2

Grade 2 at 86.75 m 8.63 g SnO2/m³

604345

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 576060 mE 5457080 mN DRILLING METHOD Reverse HOLE No. RRC. 15
 SURFACE R.L. 120 m BASEMENT R.L. 78 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/10/82

Section		Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample	
From m	To m								
0	3	11	86.5	0.05	0.06	5.6	3.2	0-2	Fine-medium sands, brown silt.
3	5	10	118.3	0.03	0.05	5.1	4.0	2.0-2.5	Coarse sands.
5	7	10	141.3	0.03	0.06	6.1	4.8	2.5-4.5	Ochre and brown clays with minor coarse sands.
7	9	5	90.0	0.10	0.13	25.7	10.1		
9	11	11.5	122.0	0.04	0.07	6.1	5.5	4.5-9.0	Stiff white silty clays, with minor coarse sands.
11	13	7	101.6	0.08	0.12	16.6	9.1		
13	15	10	119.4	0.05	0.09	8.5	6.7	9.0-14.0	Medium-coarse sands with dark brown silt.
15	17	11	90.0	0.13	0.17	15.2	13.1		
17	19	8	139.6	0.06	0.12	15.0	9.4	14.0-14.5	Stiff light brown clays.
19	21	12	100.0	0.03	0.05	3.9	3.7	14.5-19.5	Fine-medium sands with dark brown silts.
21	23	8	94.4	B.L.D.	-	-	-		minor coarse sands.
23	25	7	84.0	0.03	0.04	5.1	2.8	19.5-21	Medium-coarse sands, some small wash.
25	27	11	103.1	0.03	0.04	4.0	3.5	21-22.5	Stiff white clays.
27	29	14.5	113.9	0.04	0.07	4.5	5.1	22.5-23.25	Stiff dark brown clays with organic material.
29	31	16	108.1	0.11	0.17	10.6	10.6	23.25-26.0	White clays and clayey silt.
31	33	14	100.5	0.23	0.33	23.6	25.9	26.0-31.5	Medium to coarse sands, some small drift.
33	35	12.5	114.8	0.02	0.03	2.6	2.6	31.5-32.0	Stiff grey clays.
35	37	10.5*	96.9	0.01	-	-	-	32.0-35.5	Small wash, medium-coarse sands.
37	39	9*	102.8	B.L.D.	-	-	-	35.5-38.5	Silty clays; - ochre, light brown, grey, white.
39	41	10.5*	126.8	B.L.D.	-	-	-	38.5-42.9	Coarse sand and small wash, with minor stiff white silty clays.
41	43	8*	112.3	0.01	-	-	-	42.9-45.0	Stiff white sandy clay.
43	45	8*	80.6	0.02	0.02	2.9	1.8	45.0-47	Medium-coarse quartz fragments with white sandy clays-weathered granite.
45	47	6*	86.0	0.02	0.02	4.1	1.9		Basement at 42.9.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 42.9 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 1.63 litres

Grade 1 at 42.9 m 5.85 g SnO2/m³

Total recovered tin 1.63 g SnO2

Grade 2 at 42.9 m 5.85 g SnO2/m³

DUGAN

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES mE mN DRILLING METHOD Reverse
 SURFACE R.L. m BASEMENT R.L. m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL Circulation
 VOLUME 15.92 litres PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								Sample Washer's Heavy Mineral Descriptions:
								0-21 Ilmenite, monazite.
								21-23 Pyrite, ilmenite.
								23-35 Ilmenite, monazite.
								35-47 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 43.9 m
 Total recovered volume, surface to basement litres
 Total recovered tin 1.63 SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Grade from surface to inferred basement
 Grade 1 at m g SnO2/m³
 Grade 2 at 43.9 m 5.85 g SnO2/m³

604341

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 576000 mE 5457000 mN DRILLING METHOD Reverse HOLE No. BRC-16
 SURFACE R.L. 81 m BASEMENT R.L. 27.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 12.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	5.5	81.5	0.05	0.06	10.6	3.1	0-1.0 Coarse sands and brown silt.
3	5	8	108.7	0.05	0.08	9.7	6.1	1.0-5.0 Medium to coarse sands with minor fine sands at 3.0.
5	7	15	100.0	0.03	0.04	2.9	3.4	5.0-10.75 Stiff light grey clays.
7	9	16.5*	109.7	0.03	0.05	2.9	2.9	10.75-12.0 Fine to medium sands.
9	11	11.5*	82.1	0.13	0.15	13.3	12.0	12.0-18.0 Medium to coarse sands with small wash from 16.8.
11	13	14	80.0	0.77	0.88	62.9	69.1	18.0-20.0 Fine to medium sands.
13	15	14.5	109.6	0.04	0.06	4.3	4.9	20.0-22.8 Medium to coarse sands.
15	17	17	87.8	0.24	0.30	17.7	17.7	22.8-25.0 Stiff grey and ochre clays.
17	19	12.5	101.5	0.05	0.07	5.8	5.7	25.0-30.0 Coarse sands and wash with minor clays.
19	21	11.5	109.4	1.47	2.30	199.8	180.3	30.0-36.5 Medium to coarse sands with minor ochre and grey clays.
21	23	11.5	108.9	0.04	0.06	5.4	4.9	36.5-42.5 Coarse sands and small wash, becoming larger at 39.0, sandstone; minor clays.
23	25	14*	115.7	0.05	0.08	5.9	6.5	42.5-47 Stiff grey silty clay.
25	27	17*	98.3	0.17	0.24	14.0	14.0	47-49.0 Dark green rock chips and quartz fragments with grey-green clays, minor coarse sand.
27	29	27*	91.2	0.09	0.12	4.3	4.3	49.0-51.0 Grey and grey-green silty clays.
29	31	19*	82.6	0.13	0.15	8.1	8.1	51.0-54 Mottled silty grey-green clays.
31	33	19*	90.6	0.08	0.10	5.5	5.5	54-56 Coarse quartz fragments and grey-green clay.
33	35	22*	98.5	0.04	0.06	2.6	2.6	Basement at 51.0
35	37	22*	81.4	0.10	0.12	5.3	5.3	Sample Washer's Heavy Mineral Descriptions:
37	39	13.5*	80.0	0.17	0.19	14.4	15.3	0-5 Ilmenite, monazite.
39	41	23*	82.9	0.24	0.28	12.4	12.4	5-9 Ilmenite.
41	43	17.5*	233.4	0.04	0.13	7.6	7.6	
43	45	12*	132.5	0.02	0.04	3.2	3.0	
45	47	5.5*	94.3	0.02	0.03	4.9	2.1	
47	49	6.5*	119.2	0.02	0.03	5.2	2.7	
49	51	14*	177.3	0.01	-	-	-	
51	53	11*	179.8	0.03	0.08	7.0	6.1	
53	55	12*	113.9	0.27	0.44	36.6	34.5	
55	56	5*	319.9	0.06	0.27	54.8	43.1	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 51.0 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 119.2 litres

Grade 1 at 119.2 m 119.2 g SnO2/m³

Total recovered tin 6.42 g SnO2

Grade 2 at 51.0 m 15.15 g SnO2/m³

604348

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 576000 mE. 5457000 mN DRILLING METHOD Reverse HOLE No. RRC 16
 SURFACE R.L. 81 m BASEMENT R.L. 27.0 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 litres Circulation PAGE 2 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST S. Douglas DATE 30/10/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
								9-19 Ilmenite, monazite.
								19-21 Small amount tin, ilmenite, monazite.
								21-27 Ilmenite, monazite.
								27-33 Very fine trace tin, pyrite.
								33-35 Ilmenite.
								35-37 Pyrite.
								37-39 Fine trace tin, ilmenite, pyrite.
								39-41 Fine trace tin, pyrite.
								41-56 Pyrite.

Grade 1 calculated by relating recovered volume to recovered tin. Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%
 Drillers reported basement at 51.0 m Grade from surface to inferred basement
 Total recovered volume, surface to basement litres Grade 1 at m g SnO2/m³
 Total recovered tin 6.42 g SnO2 Grade 2 at 51 m 18.15 g SnO2/m³

604349

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 577750 mE 5457120 mN DRILLING METHOD Reverse HOLE No. RRC. 19
 SURFACE R.L. 80 m BASEMENT R.L. 35 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL VOLUME 15.92 Circulation lltres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 7/11/82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	14.5	130.3	0.06	0.11	7.7	5.8	0-3 Brown coarse sand and silty grits.
3	5	8	152.4	0.04	0.09	10.9	6.8	3-5 Light grey to white gritty clays.
5	7	8	108.4	0.06	0.09	11.6	7.3	5-5.5 Brown silt.
7	9	9	107.7	0.03	0.05	5.1	3.6	5.5-13 Brown drift and coarse sand.
9	11	12	186.3	0.11	0.29	24.4	23.0	13-16 Brown drift and coarse sand, minor small wash.
11	13	11.5	100.0	0.73	1.04	90.7	81.9	
13	15	15	85.9	0.98	1.20	80.1	94.4	16-17.5 Coarse sand, grey silts.
15	17	15	200.2	0.19	0.54	36.2	42.7	17.5-19 Coarse sand, drift, grey silts.
17	17	12	113.0	0.10	0.16	13.5	12.7	19-25 Coarse sand, drift, grey silts, small wash; large drift from 21.
19	21	12.5	164.2	0.74	1.74	138.9	136.3	
21	23	15	98.1	0.23	0.32	21.5	25.3	25-28.5 Drift and large drift, medium-small wash sand, grey silts.
23	25	13	86.9	0.70	0.87	66.8	68.2	
25	27	10.5	120.1	0.27	0.46	44.1	36.4	28.5-31.5 Grey-brown silty clay and sand.
27	29	11	115.0	0.18	0.30	26.9	23.2	31.5-34 Brown silty clay.
29	31	14.5	109.4	0.05	0.08	5.4	6.1	34-35 Pure grey-clay.
31	33	15	148.1	0.06	0.13	8.5	10.0	35-36 Wash, brown silt, drift, coarse sand.
33	35	16.5	117.0	0.06	0.10	6.1	6.1	36-40.8 Yellow silty drift, wash (sometimes-large).
35	37	7	139.2	0.13	0.26	36.9	20.3	
37	39	10	88.1	0.06	0.04	3.8	2.9	40.8-42.1 Yellow silty and gritty clay, minor drift, ironstone band at 42.
39	41	11.5	96.0	0.04	0.05	4.8	4.3	
41	43	11.5	152.4	0.04	0.09	7.6	6.8	42.1-43 Drift, with subordinate yellow clays.
43	45	11.5	312.7	B.L.D.	-	-	-	43-45 Grey silt, wash, grey clays, drift.
45	47	6.5	190.6	0.08	0.22	33.5	17.1	45-49 Decomposed granite basement.
47	49	9	105.9	0.06	0.09	10.1	7.1	

Sample Washer's Heavy Mineral Descriptions:

0-11 Ilmenite, monazite.
 11-17 Trace tin, ilmenite, monazite.

Grade 1 calculated by relating recovered volume to recovered tin.
 Drillers reported basement at 45 m
 Total recovered volume, surface to basement - litres
 Total recovered tin 8.324 g SnO2

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F.= 80%
 Grade from surface to inferred basement
 Grade 1 at - m g SnO2/m³
 Grade 2 at 45 m 30 g SnO2/m³

604352

AUSTRALIAN ANGLO AMERICAN LTD.

DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES 578000 mE 5456410 mN DRILLING METHOD Reverse HOLE No. RRC 20
 SURFACE R.L. 85 m BASEMENT R.L. 28.1 m CUTTING SHOE/ BIT DIAMETER 100 mm THEORETICAL CIRCULATION VOLUME 15.92 litres PAGE 1 of 2
 DRILLER R. Miller SAMPLE WASHER S. Moore ASSAY METHOD XRF GEOLOGIST R. Munro DATE 13.12.82

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	10	80.0	0.06	0.07	6.9	3.6	0-1 Sand and quartz grit.
3	5	12	88.9	0.08	0.10	8.5	8.0	1-2 Yellow-brown silty grits and sands.
5	7	6	147.0	0.04	0.08	14.0	6.6	2-4 Dark brown-black silts, drift, sand.
7	9	8.5	85.0	0.09	0.11	12.9	8.6	4-9 Dark brown clay, drift, sand.
9	11	10	82.1	0.04	0.05	4.7	3.7	9-11.8 Soft grey clay.
11	13	12	94.8	0.03	0.04	3.4	3.2	11.8-12.8 Mobile drift, grey silt.
13	15	13	114.7	0.03	0.05	3.8	3.9	12.8-16 Grey clay.
15	17	10	159.7	0.04	0.09	9.1	7.2	16-17 Mobile drift, coarse sand, light grey silt, coarse drift.
17	19	8	80.2	0.20	0.23	28.6	18.0	17-20.8 Grey clay, grey silty drift, coarse sand.
19	21	14	170.7	0.09	0.22	15.7	17.2	20.8-23.5 Light brown clays.
21	23	14.5	137.3	0.03	0.06	4.1	4.6	23.4-24.4 Darker brown clays with organic fragments.
23	25	11	80.3	B.L.D.	-	-	-	24.4-25 Medium brown clays.
25	27	8.5	100.2	0.11	0.16	18.5	12.4	25-26.5 Yellow-brown silty clay.
27	29	10	162.1	0.13	0.30	30.1	23.6	26.5-27.2 Light grey silts, drift sand.
29	31	11	93.9	0.26	0.35	31.7	27.4	27.2-32 Light grey silts, drift sand coarse drift, small wash, rare grey clays.
31	33	11.5	127.0	0.18	0.33	28.4	25.6	32-22.7 Grey pure and gritty clays.
33	35	15	80.0	0.18	0.21	13.7	16.2	32.7-35 Light grey silty clays, drift, sand.
35	37	16.5	109.9	0.97	1.52	92.3	92.3	35-36 Drift, angular wash, yellow silt, sand.
37	39	21.5	103.6	0.22	0.33	15.1	15.1	36-37.3 As before but light yellow silt.
39	41	23	96.4	0.21	0.29	12.6	12.6	37.3-40.2 Brown-grey silt, medium-small wash drift.
41	43	9.5	87.5	0.10	0.12	13.1	9.8	40.2-41.3 Yellow silt, large-small wash, drift.
43	45	12	95.3	0.07	0.10	7.9	7.5	41.3-56.9 Grey silts, grey-white-dark green mottled impure clay, wash-dominantly large dark quartzite types, angular drift and sand.
45	47	9.5	109.2	0.04	0.06	6.6	4.9	
47	49	10.5	109.0	0.07	0.11	10.4	8.6	
49	51	11.5	96.9	0.06	0.08	7.2	6.5	
51	53	11	108.9	0.17	0.26	24.0	20.8	
53	55	12	198.5	0.02	0.06	4.7	4.5	
55	57	11	115.1	0.02	0.03	3.0	2.6	56.9-59 Granite basement.

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at 5.9 m

Grade from surface to inferred basement

Total recovered volume, surface to basement 1 litres

Grade 1 at 1 m g SnO2/m³

Total recovered tin 5.45 g SnO2

Grade 2 at 5.9 m 13.36 g SnO2/m³

404300

AUSTRALIAN ANGLO AMERICAN LTD. DRILL LOG

AREA Ringarooma Basin COLLAR CO-ORDINATES S.77975mE. 5457495mN DRILLING METHOD.....Reverse..... HOLE No...RRC...21.....
 SURFACE R.L. 73.1m BASEMENT R.L. 20.9m CUTTING SHOE/ BIT DIAMETER..... 100 mm THEORETICAL VOLUME.....15.92litres Circulation PAGE.1.....of.....2.....
 DRILLER R. Miller..... SAMPLE WASHER S. Moore..... ASSAY METHOD...XRF..... GEOLOGIST...R. Munro..... DATE...13.12.82.....

Section From m	To m	Recovered Volume (litres)	Weight Conc. (g)	Conc. Assay % Sn	Recovered Tin gSnO2	Grade 1 gSnO2/m ³	Grade 2 g SnO2/m ³	Description of Sample
0	3	14	155.5	0.04	0.09	6.4	4.7	0-3 Peat.
3	5	12	104.0	0.09	0.13	11.1	10.5	.3-2 Yellow silty sand and grit.
5	7	5.5	135.1	0.10	0.19	35.1	15.2	2-2.5 White silty sand and grit.
7	9	6.5	105.4	0.10	0.15	23.2	11.8	2.5-3 Grey sand and drift.
9	11	11.5	107.7	0.18	0.28	24.1	21.7	3-5 Coarse sand, grey silt.
11	13	7.5	91.4	0.32	0.42	55.7	32.8	5-9 Coarse sand, white silt, small drift.
13	15	13.5	104.9	0.31	0.46	34.4	36.5	9-11 Coarse sand, white silt, to large drift, small wash.
15	17	7	142.2	0.10	0.20	29.0	16.0	
17	19	7.5	102.2	0.12	0.18	23.4	13.8	11-12 Silty coarse sand, small to large drift, small wash.
19	21	12	156.1	0.21	0.47	39.0	36.8	
21	23	12	88.4	0.34	0.43	35.8	33.7	12-13 Silty coarse sand, drift.
23	25	12.5	130.7	0.10	0.19	14.9	14.7	13-19 Drift, grey clays and silts, sand.
25	27	14.5	80.0	0.07	0.08	5.5	6.3	19-24.3 Drift grey clays and silts, sand, small wash.
27	29	15	141.3	0.03	0.06	4.0	4.8	
29	31	9	109.0	0.06	0.09	10.4	7.3	24.3-25.2 White to light brown clay.
31	33	13	99.1	0.68	0.96	74.1	75.6	25.2-26 Grey silty drift, coarse sand.
33	35	11.5	82.1	0.26	0.30	26.5	23.9	26-27.8 Yellow-brown silt.
35	37	7	168.8	0.07	0.16	21.3	11.7	29.8-30 Brown clay.
37	39	11.5	129.0	0.02	0.04	3.2	2.9	30-36.4 Light brown silts, drift, large wash, coarse sand, clay. Light brown clay at 34.6.
39	41	9	192.7	0.03	0.08	9.2	6.5	
41	43	13.5	94.1	0.03	0.04	3.0	3.2	
43	45	13	218.0	0.01	-	-	-	36.4-52.1 Greysilt, grey clay, sub-angular to angular quartzite wash, generally large, drift, sand. More clay rich with depth, these turn to greenish after 45 m.
45	47	14	251.6	B.L.D.	-	-	-	
47	49	8	112.6	0.01	-	-	-	
49	51	9	120.0	0.01	-	-	-	
51	53	9	157.7	0.13	0.29	32.5	23.0	52.1-55 Granite basement.
53	55	7	107.7	0.24	0.37	52.8	29.0	

Grade 1 calculated by relating recovered volume to recovered tin.

Grade 2 calculated by relating Radford factored theoretical volume to recovered tin Rad. F = 80%

Drillers reported basement at.....52.1.....m

Grade from surface to Inferred basement

Total recovered volume, surface to basement..... litres

Grade 1 atm g SnO2/m³

Total recovered tin.....5.66.....g SnO2

Grade 2 at52.1.....m17.06.....g SnO2/m³

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