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AMDEX MINING LIMITED

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TECHNICAL REPORT

MICROFILMED

EXPLORATION LICENCE 2/77

SOUTH MOUNT CAMERON, TASMANIA

REPORT FOR THE SIX MONTH

PERIOD ENDING 8TH MARCH 1980

VOLUME 1

OPEN FILE

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Date : 13th May 1980

Distribution : Department of Mines, Hobart, Tasmania
Kibuka Mines Pty. Limited, Pioneer, Tasmania
Kibuka Mines Pty. Limited, Sydney, New South Wales

PROJECT : D 137 South Mount Cameron, Tasmania

250,000 Sheet Index No : SK55-4

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1. SUMMARY AND CONCLUSIONS

Exploration progressed satisfactorily during the past six monthly period. Considerable reserves of cassiterite have been indicated by the drilling, however, the grade of a large proportion of these reserves are not sufficient to justify mining operations at this time. Areas falling into this category include:-

1. ABC Creek
2. Riverside (or South-East Endurance)
3. Monarch. This deposit requires more drilling before a final assessment can be completed.
4. Clifton. Reserves indicated by drilling were sufficient to establish a new gravel pump mining operation which commenced in January 1980.

A test drilling programme using a Wallis Reverse Circulation drill rig from Western Australia was completed during the period and gave satisfactory results. A full report on this programme has already been forwarded to the Mines Department.

A geology degree Honors Thesis on the sedimentology of the Pioneer placer deposit was completed at the end of 1979 by Mr. Ken Morrison. This report will be extremely helpful in understanding the geology of the Pioneer deposit and will assist with the development of conceptual exploration ideas.

2. INTRODUCTION

E.L. 2/77 encompasses an area of 187 square kilometres in North-East Tasmania (Figure 1). This Licence has been renewed for successive six monthly intervals since the expiry of the first period in September 1977.

This report documents the results of investigations conducted on E.L. 2/77 during the period from 8th September, 1979 to 8th March 1980. Some of the contents of this report relate to areas held under Mineral Lease (e.g. Clifton, Monarch). Other targets such as the Pioneer placer straddle boundaries between the two forms of land tenure.

During the current exploration period the need for a concentrated drilling effort on the Pioneer deposit diminished. This allowed investigations to be undertaken on other prospective areas of the Licence. A company policy has developed whereby all major exploration programmes must be fully documented. This policy should prevent a re-occurrence of the current difficulties caused by inadequate documentation of previous exploration programmes in the area.

The following exploration activities were undertaken during the period covered by this report:

- a) The drilling of sediments in the ABC Creek area for shallow placer tin deposits and their evaluation as potential future mining areas.
- b) The evaluation of the Clifton Creek area at South Mount Cameron.
- c) The testing of the extension of the Endurance Lead with a reverse circulation drill rig.
- d) The further testing and evaluation of part of Monarch tin placer.

- e) The drilling and evaluation of a Ringarooma River terrace at Dorset Extended near the old Endurance pumping station.

- f) Further drilling and evaluation of possible extensions of the Pioneer Mine to the north-west and south.

Each area investigated has been reviewed separately. Synthesis of these individual target areas with the overall geological environment has not been attempted in this report.

3. CURRENT EXPLORATION

3.1 ABC Creek Area

3.1.1 - Description of Target

An elongate, level tract of open woodland and tussock grassland between ABC Creek and the Gladstone Road was selected as an exploration target in February 1980. This area covering 15 h.a. is located on Figure 2.

3.1.2. - Geology and Previous Exploration

Parts of the southern and western margins of this area have been mined to depths ranging from 1 to 3 metres. Most of these old workings are in leases 61M/74 and 9M/46 which are currently being worked by S.F. Fenton. Mining has been exclusively ground sluicing with the tailings being deposited in ABC Creek. Many of these workings are within a consistently developed surface horizon of silicrete and ferricrete. A less lithified correlate was recorded in many of the drill logs (see Appendix 1). This cement necessitated the use of hydraulic jacks to recover drill casing only 1 metre below the surface in two of the cable tool holes.

A small portion of this target was prospected by E. Pitchford for the Endurance Tin Mining Company. Using 88 shallow bores (45 cm depth), Pitchford calculated reserves for an area on both sides of the Gladstone Road as being 12,000 yds³ at 0.5 lb SnO₂/yd³ and 20,000 yds³ at 0.35 lb SnO₂/yd³. The drill hole locations are poorly documented and are thus of little use.

Old workings which form a southern boundary to the area under investigation have been disturbed by quarrying for road gravel subsequent to mining. Several numbered drill holes of unknown origin were drilled in this area since quarrying terminated.

Table 1

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: ABC CREEK AREA

YEAR: 1980

DRILLING METHOD: 15cm Luger

Hole No.	Collar Coordinates mE mN	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 (%)	Total rec SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + Surface (gSnO ₂ /m ²)	Depth (m)			
AA 41		74.19	-	10	-				11.22			147		334	3			
AA 41*		74.19	-	10	-				7.73			93		251	3			
AA 42		73.47	70.47	4	3			34	3.27			97		97	3			
AA 43		72.79	69.79	4	3			31	1.92			68		68	3			
AA 44		72.41	66.41	7	6			61	3.10			57		113	2			
AA 45		71.00	66.5	5	4.5			33.5	4.11			89		151	2			
AA 46		69.99	63.99	7	6			66	2.10			38		34	2			
AA 47		69.70	-	10	-				4.95			46		143	2			
AA 48		68.70	-	12	-				4.38			73		143	2			
AA 49		67.78	-	5	-				1.2			43		63	2			
AA 50		67.22	-	9	-				1.94			54		80	2			
AA 51		66.41	-	6	-				1.43			45		66	2			
AA 52		65.79	-	6	-				1.56			57		79	2			
AA 53		65.94	-	8	-				2.73			67		77	2			
AA 54		65.06	-	5	-				1.99			51		82	2			
AA 55		65.80	-	6	-				1.57			28		38	2			
AA 56		72.5	70.0	3	2.5			29.5	0.82			31		31	3			
AA 57		72.6	68.6	5	4			60	2.27			68		109	2			
TOTALS																		

* Grade calculated by relating recorded volume to recovered tin

Author: R. Munro

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

Date: March 1980.

* Fox laboratories check assay of hole. - a more accurate result.

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In 1946 Dorset Tin propsected an area immediately to the north of the target area. One hole was sunk adjacent to the now derelict "Dredge Houses" (see Figure 2). Drilling failed to find any mineralisation.

The area investigated alongside ABC Creek consists of a moderate to thin veneer of sediment overlying undulating granite. Granite outcrops were observed on the other side of the Creek and to the south-west of this area. Cassiterite is most concentrated in the surface alluvials. No tin bearing wash was logged immediately overlying the decomposed granite. Cobble-size wash normally associated with terrace deposits of the Ringarooma River is also absent. The general sequence of sediments is as follows:

- Thin topsoil with occasional birds-eye wash.
- Cemented sand and grits
- Yellow clay bands in sands and drifts, occasional small wash
- White or brown clay beds in sands and drifts
- Decomposed granite.

3.1.3 - Current Exploration

Two drilling methods have been used to evaluate the ABC Creek prospect.

Auger Drilling - Twenty holes totalling 134 metres have been bored using a Gemco 210B rig which was equipped with the largest available auger flights. The bit diameter was 14.2 cm and the estimated theoretical volume for the one metre sample interval was 15.83 L. Most of the twenty auger holes were only drilled to the water table. Below this level samples become highly contaminated and unrepresentative. Volumes of samples recovered from the dry top 4-6 metres were generally close to the theoretical volume.

Percussion Drilling - Three holes totalling 45 metres were drilled by a cable tool rig in the normal manner. Hole P 1 was positioned to test the drilling accuracy of AA 41. Similarly P 2 was drilled beside AA 47. Satisfactory agreement between the results of both methods was achieved (See Appendix 1).

Both drilling methods indicated the ground to be poorly mineralised. Surface values for two holes are probably of a payable grade, however they indicate insufficient reserves to permit establishment of any mining operation. The drilling indicates that no cassiterite mineralisation occurs below three metres. A preliminary ore reserve calculation indicates 20 tonnes of cassiterite contained in 150,000 m³ of surface alluvials with an average grade of 140 g/m³.

Further test work may be initiated in the next six monthly period both to the north and south of this area.

3.2 Clifton Area

3.2.1. - Location and History

Over the last century the name "Clifton" has been used many times for many mines in the South Mount Cameron district. Even at present, the mobility of this locality name is being perpetuated.

The old Clifton workings are generally associated with diggings in the vicinity of Clifton Creek (around co-ordinates 782597 m E and 797583 m N on the Forester map sheet). The Endurance Tin Mining Company also frequently used the name to refer to its' western-most workings of the Endurance Deep Lead. In 1975-1976 BMI Mining established a new gravel operation (Clifton 1975, co-ordinates 78700 m E 59600 m N) which lasted longer than was envisaged. However it finally ceased operations late in 1979.

3.2.2. - Previous Investigations and Rationale for Current Exploration

In 1978-1979 over 30 small diameter reverse circulation drill holes were sunk by Amdex Mining. The location and results for these were detailed in the last two six monthly reports.

The relevant holes are shown in Figure 3.

Exploration of this area was initiated in late 1979 with the objective of finding additional payable reserves for the then operating Clifton "1975" mine. After this programme failed to produce any additional reserves exploration concentrated on a flat enclave between granite spurs 250 metres to the west of Clifton "1975".

Total drilling of this marshy flat consisted of five reverse circulation holes (RC 110 - RC 114) along the extreme eastern

margin and two lines of BMI Mining auger holes to the south. The latter were drilled for basement information about the Endurance Deep Lead.

One of the reverse circulation holes (RC 113) intersected rich, basal cassiterite. This result, together with reports that the Endurance Tin Mining Company recovered above average surface tin in this area when mining the deep lead, provided the necessary indication of the existence of a cassiterite deposit. The second phase of exploration subsequently discovered reserves sufficient for the establishment of the Clifton "1980" operation.

3.2.3 - Current Exploration

Phase 1 - Investigations relating to additional reserves for the Clifton "1975" Mine.

As stated previously reserves for this Mine were depleted rapidly in 1979. The possibility of payable ground to the north and north-west was investigated earlier in 1979 and subsequently discounted.

Additional reserves could therefore only lie to the west where a low spur forms a drainage divide on the Mount Cameron watershed.

This area was rapidly tested with back-hoe pits and Gemco augering. Shallow ground on the northern portion of this hillock was confirmed by these exploration methods. A thicker sequence of clayey sediments was discovered in the southern section, however cassiterite values were almost negligible. Limited surface wash was also found to be near barren.

No appreciable reserves were added from this campaign. A total of 48.5 metres of auger drilling was completed (Summary Table 2) and 21.6 metres of back how pits were dug.

Phase 2 - Investigations relating to the establishment of the Clifton "1980" Mine.

From October 1979 to February 1980 twenty-six sample percussion drill holes totalling 333 metres of drilling were completed. Hole positions are located on Figure 3 and the results are summarised in Table 3.

Initially a line of holes parallel to and on the southern side of the pipe column and starting with EP 1 was planned. However a change in strategy favouring shallower sediments resulted in the siting of most holes on the mountain side of the pipe column. A rough 40 metre spacing interval was maintained over this difficult terrain.

The granite basement in this area is rather irregular (see basement contour map, Figure 4). Granite slopes steeply to the level of the Endurance Deep Lead at the western end of the flat. A central north-south elongate depression is apparent. No general correlation between basement elevation and hole grade has been determined. No mineralisation was detected less than five metres below the surface. This phenomena applies equally to the margins of the deposit bordered by granite and to the central section of the deposit and may explain why this deposit was not discovered previously by surface prospecting down the Creek.

Cassiterite is concentrated in two horizons. The first is marked by a stringer of wash at depths between 4 and 8 metres. It underlies a particularly barren sequence of sandy clays. The second stanniferous horizon is less well developed. It only occurs at the base of the deeper holes, e.g. EP 1 and EP 2. Cassiterite at this level is usually accompanied by large amount of pyrite.

TABLE 3

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: Clifton

YEAR: 1979- 80

DRILLING METHOD:

Percussion Drill - 6"

Hole No.	Collar Coordinates mE mN	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 ^(*)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)				
E.P.1		72.04	48.54	29	23.5							109					
E.P.2		74.84	60.24	18	14.6	1463	21359					550	11747.9				
E.P.3		74.75	68.75	10	6.0	1361	8168					152	1241.5				
E.P.4		75.00	70.00	5.5	5.0							42					
E.P.5		74.65	64.15	14	10.5	1168	12264					1423	17451.7				
E.P.6		74.55	63.05	16	11.5	864	9942					702	6979.1				
E.P.7		74.08	69.48	4.6 ^R	4.6							8					
E.P.8		73.68	68.18	10	5.5							21					
E.P.9		76.84	70.34	11	6.5							34					
E.P.10		78.69	70.69	8.5 ^R	8.0							127					
E.P.11		73.46	58.46	19	15.0	942	14130					345	4874.9				
E.P.12		73.71	65.21	12	8.5							27					
E.P.13		73.41	60.41	12	13.0							58					
E.P.14		73.29	55.29	19 ^R	18.0							133					
E.P.15		73.15	64.75	12	8.4							101					
E.P.16		73.43	67.93	10	5.5							4					
E.P.17		74.65	68.65	10	6.0	668	4005					338	1353.7				
E.P.18		73.93	67.63	10	6.3	1125	7088					766	5429.0				
TOTALS																	

*Grade calculated by relating recorded volume to recovered tin

Author: R. Munro

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

Date: February 1980

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Cassiterite at Clifton is coarse to very coarse, and in holes EP 21, and EP 10 grains up to 2 mm in diameter were recovered.

A number of holes were re-drilled after intersecting either "floating" boulders or unweathered granite. The nature and frequency of these impediments is not yet known.

Calculations, using nine ore blocks each based on a percussion drill hole, indicates reserves of 88,000 m³ with an average grade of 573 g SnO₂/m³ containing 52 tonnes of cassiterite.

There is scope for additional reserves between Blue Lake and the site of existing reserves. Sediment depth in this area is expected to increase.

3.3 Endurance Lead

3.3.1 - Location and Objectives

In January 1980 two deep holes (ERC 1 and ERC 2) were drilled in the centre of the Endurance Lead at 26700 m E - 58700 m N. Both holes were on BMI auger line - 40W. The holes were chosen to test the ability of the Wallis Reverse Circulation system to drill the alluvial sequence at Endurance. The location of the drilling is shown on Figure 5. Evaluation of this drilling is given below.

3.3.2 - Appraisal of the Results

Both holes are 310 metres down lead from the nearest existing sample drill holes. Basement of the Wallis holes depths compare favourably with the two neighbouring BMI Mining auger holes (A 270 and A 273). ERC 1 and ERC 2 are 60 metres apart and appear to be symmetrically positioned either side of the lead's deepest point. The whole of hole grades of these holes are very low and only in ERC 1 is some basal mineralisation evident. This drilling is insufficient to predict the possibility of establishing additional reserves for the Endurance Lead.

3.4 Monarch Area

3.4.1 - Introduction

An intensive and detailed exploration programme has been undertaken on a previously drilled portion of the Monarch Flats tin deposit. Prospecting for cassiterite was carried out on a selected area (see figure 7) centered at about 76200 m E - 64800 m N on the Cape Portland sheet. This area lies to the south of the BMI workings, and contains relicts of the old BMI operations, including the main pipe column, an extensive roadways, large deep, water-filled exploratory dragline pits, and the "land-based" treatment plant and dump-site complex.

The area investigated is generally lightly wooded, slightly elevated in relation to the surrounding marsh areas.

Several criteria were used to select this part of the Monarch Flats for investigation. These are outlined below:

1. Topographical constraints - the need to avoid low lying areas, because of susceptibility to flooding during winter.
2. Absence of old mine workings.
3. Earlier drilling campaigns - the need for check drilling.
4. Ore reserves - the need to establish a profitable operation.

3.4.2. - Previous Exploration

Reports and maps by a number of companies cover this portion of the Monarch Flats.

Initially it was proposed to test the shallow south-eastern half of the body "B", as delineated in 1965 by BHP. BHP used 400 mm Conrad and 16 cm percussion drills to define five tin placers "A" "B" "C" "D" and "E". Holes were drilled at 80.5 metre intervals along lines 322 metres apart. The wide line spacing only permitted possible reserves of 250 to 260 tonnes to be calculated for ore body "B" (Neale, 1980).

Fill-in open-flight, narrow diameter Gemco auger drilling was undertaken over a large area by BMI between 1970 and 1973. This work was carried out in conjunction with their mining operations. The holes considered in this report are on an eighty metre square grid. Results from this sample auger drilling have been subject to considerable criticism.

In May 1979 Amdex (R. Quirk) reviewed the BMI-BHP drilling result figures using BMI data. He tentatively defined five ore blocks (see Figure 6). Block "D" corresponds with the richest part of the BHP ore reserve block "B". It also lies directly underneath the large BMI dump and treatment plant complex.

Late in 1979 Amdex (T. Neale) also reviewed the BHP drilling producing grades and tonnages for four reserve blocks. One of these blocks includes the area described more fully below.

3.4.3 - Current Investigations

3.4.3.1 - Backhoe Pit Holes

During November 1979 a backhoe pit digging programme was implemented to check BMI auger holes in the test area. Figure 7 shows the location of these pits together with the results obtained. The procedure used was to dig the pit to basement, lithologically log the pits and channel sample from surface to basement. A number

of problems presented a successful conclusion. Some problems were:-

- (a) Several pits partly filled with ground water rapidly. The angular sandstone wash was noted to be an excellent aquifer.
- (b) A number of pits had basement depths greater than the maximum digging depth of the backhoe (4 metres).
- (c) Difficulties were encountered channel sampling in a confined space.
- (d) At depths approaching 4 metres some pits were judged as too dangerous for a man to descend for sampling purposes.

Results and observations that can be made for this programme are listed below:

- (a) Only three of the ten pits dug were satisfactorily sampled.
- (b) The BMI auger holes appear to provide an indication of the stanniferous content of the sediments. This was particularly true for 712 and 710.
- (c) BMI depths to basement were frequently at variance with the Amdex results. These are summarised in Table 4.
- (d) Since only two BMI auger drill holes (705 and 711) were actually located and subsequently excavated the basement depths indicated by the BMI drilling cannot be proven conclusively to be incorrect.

Table 4

<u>BMI Auger Hole No.</u>	<u>Auger Hole Depth to Basement (m)</u>	<u>Backhoe Pit Depth to Basement (m)</u>
704	2.7	1.7 (+1)
705	4.0	4.0 (0)
710	1.6	1.5 (+0.1)
711	4.0	3.2+ (-)
712	2.4	3.3 (-1.1)
712 A	0.9	2.4 (-1.3)
717	2.1	3.0 (-0.9)
718	1.8	3.0+ (-1.2+)
718 A	1.2	4.0 (-2.8)

The difference is shown in brackets

- (e) Grade values only approach a payable level when basal wash is intersected. The lateral distribution of the basal wash is highly variable. For example in backhoe pit 704 a channel sample at one end of the pit recorded 118 g/m^3 overall yet the other end of the pit which contained wash averaged in excess of 400 g/m^3 .
- (f) Generally those holes which fail to intersect wash, be it angular sandstone or more mature quartzite do not contain cassiterite. The best examples of this are pits 712, 717 and 19G 12H.
- (g) The general lithological sequence is as follows:
- Surface: - Thin layer of topsoil which frequently includes gravels and quartz grits.
 - A discontinuous horizon of fine sands.

- A thicker sequence of orange, brown and yellow gritty clays which become increasingly mottled at depth and merge with the underlying layer.
- Mottled grey gritty clay with silt and sometimes gravel and/or grey clay with sandstone wash and rarer maturer quartz wash or birds-eye wash.
- Soft white decomposed granite.

3.4.3.2 - Reverse Circulation Drilling at Monarch Flats

The Reverse circulation drilling at the eastern end of Monarch Flats is the first detailed evaluation of the area. Previous drilling was carried out by BHP on a widely spaced grid using a Conrad drill. The reverse circulation rig drilled forty-four holes in approximately two days. They are all located in Figure 7. More details on this drilling are included in the reverse circulation drilling review which accompanies this report.

The holes were drilled 25 metres spacing on 5 lines, 100 metres apart. The lines are parallel to the existing N-S grid. The close hole spacing was necessary because rapid variations in the cassiterite bearing basal wash was indicated from the back hoe work. This observation was substantiated by the results of this drilling programme. No real trend has yet been established for the distribution of cassiterite. Basement depths are greatest in the centre of each line. The alluvial in this area is thin (range 1.5 metres to 6 metres) and the grade does not appear to follow basement trends.

Indicated ore reserves, weighted average grades and volumes of alluvium for each line are tabulated below. Grades shown were calculated using the conservative 80% Radford Factored method. Grades calculated by relating total recovered volume to total recovered tin are generally significantly higher than the Radford factored grades.

Table 5

<u>Line No.</u> <u>(Holes)</u>	<u>Average Wtd. Grade</u> <u>80% RF (g SnO₂/m³)</u>	<u>Contained SnO₂</u> <u>(Tonnes)</u>	<u>Volume₃</u> <u>(metres³)</u>	
R.C. {	1 (1-8)	148	13.2	89375
	2 (9-17)	157	13.9	88250
	3 (18-28)	114	9.7	85000
	4 (29-38)	103	10.0	96895
	5 (39-44)	174	11.4	65625
Perumion → 6 (49-57)	189	18.3	96750	
TOTALS	147	76.5	521895	

3.4.3.3 - Cable Tool Sample Drilling at Monarch Flats

An additional line of nine cable tool holes were drilled to the south-east of the reverse circulation drilling during February 1980. The hole spacing remained at 25 metres. The results (see summary logs Table 6) of the cable tool drilling show similar variability of grades. This is the best line drilled to date.

4.3.4 - Assessment and Future Prospecting

It is apparent that some degree of correlation exists between results obtained by the various exploration tools used so far. Further testing with a backhoe is proposed. These investigations will concentrate on -

- (i) testing the reverse circulation drilling
- (ii) attempting to further assess the two grade calculation methods
- (iii) reserves may be increased by extending lines 5 and 6 to the south and drilling a 7th line.

TABLE 6

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: Monarch

YEAR: 1980

DRILLING METHOD: Reverse circulation drilling.

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 ¹	Total rec SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)				
MRC 1	Line 1	53.06	50.06	6	3.0	2500	7500	11.00	0.87	79		72	540				
MRC 2	" 1	52.49	49.49	6	3.0	2500	7500	15.00	1.76	117		145	10 88				
MRC 3	" 1	51.70	48.45	4	3.25	2500	8125	12.50	2.18	177		167	1357				
MRC 4	" 1	50.02	45.02	6	5.0	2500	12500	14.50	1.68	116		83	10 38				
MRC 5	" 1	49.18	44.18	6	5.0	2500	12500	11.25	1.93	154		95	1188				
MRC 6	" 1	48.27	41.77	8	6.5	2500	16250	19.50	10.46	516		363	5899				
MRC 7	" 1	47.89	41.39	8	6.0	2500	15000	14.00	2.04	146		77	1155				
MRC 8	" 1	46.33	42.33	6	4.0	2500	10000	13.00	1.67	129		94	940				
MRC 9	Line 2	51.88	47.38	6	4.5	2500	11250	15.00	1.69	113		93	1046				
MRC 10	" 2	50.95	46.15	6	4.8	2500	12000	13.40	1.25	93		64	768				
MRC 11	" 2	50.76	46.01	6	4.75	2500	11875	18.13	2.87	158		150	1781				
MRC 12	" 2	49.47	44.47	6	5.0	2500	12500	16.00	7.94	496		393	4913				
MRC 13	" 2	48.79	44.29	6	4.5	2500	11250	14.00	2.68	191		148	1665				
MRC 14	" 2	48.22	44.72	6	3.5	2500	8750	11.50	2.53	220		179	1566				
MRC 15	" 2	46.88	44.88	3	1.5	2500	3750	4.50	0.81	180		133	499				
MRC 16	" 2	45.03	42.28	4	2.75	2500	6875	9.25	0.58	63		53	364				
MRC 17	" 2	44.04	40.04	6	4.0	2500	10000	12.00	2.02	168		125	1250				
MRC 18	Line 3	52.26	50.26	3	2.0	2500	5000	3.00	2.11	703		251	1255				
TOTALS													28312				

* Grade calculated by relating $\frac{\text{total recovered}}{\text{volume to recovered}}$ tin.+ Grade calculated by relating $\frac{\text{Recovery factors}}{\text{volume to recovered}}$ tin (See Vol. 100%)

Author: R. Munro

Date: April 1980.

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TABLE 6

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: MONARCH

YEAR 1980

DRILLING METHOD: REVERSE CIRCULATION DRILLING.

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)				
MRC 19	Line 3	52.77	50.52	3	2.25	2500	5625	4.50	0.47	104		43	242				
MRC 20	" 3	52.36	50.36	3	2.0	2500	5000	6.00	0.47	78		46	230				
MRC 21	" 3	51.46	49.90	3	1.5	2500	3750	2.25	0.63	111		91	341				
MRC 22	" 3	50.06	45.66	6	5.0	2500	12500	18.50	2.11	114		104	1300				
MRC 23	" 3	49.68	45.43	6	4.25	2500	10625	17.75	1.82	103		106	1126				
MRC 24	" 3	48.73	42.73	8	6.0	2500	15000	21.00	1.42	68		58	870				
MRC 25	" 3	47.96	43.46	6	4.5	2500	11250	16.75	2.33	139		128	1440				
MRC 26	" 3	47.50	45.00	4	2.5	2500	6250	8.00	1.40	176		139	869				
MRC 27	" 3	46.89	44.89	3	2.0	2500	5000	4.00	2.20	550		254	1270				
MRC 28	Line 4	45.31	43.31	3	2.0	2500	5000	4.00	1.29	323		146	740				
MRC 29	" 4	45.04	43.04	3	2.0	2500	5000	4.00	1.85	463		138	690				
MRC 30	" 4	46.42	42.67	8	3.75	2500	9375	10.38	1.29	124		78	731				
MRC 31	" 4	46.99	45.49	6	3.5	2500	8750	10.75	0.75	70		49	429				
MRC 32	" 4	46.13	43.63	6	4.5	2500	11250	11.75	1.18	100		59	664				
MRC 33	" 4	48.91	42.91	8	6.0	2500	15000	14.00	5.62	401		211	3165				
MRC 34	" 4	50.30	44.30	8	6.0	2500	15000	15.00	1.84	123		69	1035				
MRC 35	" 4	51.60	47.83	6	3.75	2500	9375	14.13	1.50	106		90	844				
MRC 36	" 4	53.19	51.19	3	2.0	2500	5000	6.00	0.60	100		50	250				
TOTALS																	

* Grade calculated by relating $\frac{\text{Total recovered}}{\text{Total volume to recovered}}$ to $\frac{\text{Total recovered}}{\text{Total volume to recovered}}$ to

Grade calculated by relating $\frac{\text{Total recovered}}{\text{Total volume to recovered}}$ to $\frac{\text{Total recovered}}{\text{Total volume to recovered}}$ to (2a, 100%)

Author: R. Munro

Date: April 1980

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Drilling to date has not defined an area suitable for a profitable mining operation. Further evaluation will continue.

3.5 North Pioneer Exploration

3.5.1 - Introduction

Granite in the form of low rounded rises outcrops six to twelve hundred metres north of the Pioneer Mine. Abundant granite float and granite derived soil indicate that sub-surface granite exist around these outcrops.

The strategy behind this programme was to link some of these "islands" of granite outcrop together by using a Gemco auger rig. Such exploration would then establish whether any deep gutters exist between these granite outcrops.

3.5.2 - Current Activity

Two unevenly spaced lines of auger holes have been drilled in partly cleared paddocks. These areas are crown land covered by grazing rights held by Mr. C. Rattray. The second line of holes is incomplete. The position of the drilling is shown on Figure 8. Drilling was undertaken with narrow augers sufficient to drill to 30 metres. Sample recovery was poor and those samples that reached the surface were churned up and contaminated. The first hole (AA 20) drilled approximately 25 metres into granite. Recognition of the alluvial granite contact was almost impossible during drilling. Subsequent evaluation of the samples indicated the interface.

3.5.3 - Conclusion and Future Activity

The drilling of nine auger holes (Table 7) has been sufficient to establish that the curved ridge of granite that lies to the north of the mine extends westward to at least 53700 m N - 77000 m E. Drilling to the south-west from this most westerly granite outcrop will be attempted at a later date.

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: Rattrays Paddocks-Nth. Pioneer YEAR 1980

DRILLING METHOD: GEMCO AUGER - Not Sampled

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)					
AA 20	78128 53763	98.0	-	32	?													
AA 21	78221 53760	100.0	91.0	15	9													
AA 22	78182 53764	98.5	97.3	2.2	2.2?													
AA 23	78075 53766	100.5	96.1	9	4.4													
AA 62	77580 53436	90.5	88.5	3	2													
AA 63	77459 53431	92.5	90.0	3	2.5													
AA 64	77386 53435	93.0	91.5	2.5	1.5													
AA 65	77278 53464	94.0	-	11.5	-													
AA 66	77190 53500	94.5	77.5	17	17													
TOTALS				95.2														

* Grade calculated by relating recorded volume to recovered tin

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

Author: R. Munro

Date: April 1980

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3.6 Pioneer

3.6.1 - Introduction

At least one cable tool percussion drill rig has continued to drill at Pioneer during the past six monthly period. For several months in 1979 three such rigs operated. A reverse circulation rig drilled at Pioneer for a fortnight during January and February 1980. Drilling statistics are summarised in the following table.

Table 8

Drilling Pioneer - Summary - September 7th, 1979 to March 7th, 1980

	<u>Holes Drilled</u>	<u>Code Numbers</u>	<u>Metres Drilled</u>	<u>% Drilled on Mineral Leases</u>
Percussion Drilling	15	K108-K122	747	80
Reverse Circulation Drilling	21	K150-K169	1016	24
Auger Drilling	11	AA30-AA40	-	-
TOTALS	36		1763	53

The objective of this programme was to add to the presently defined reserve body and to investigate an area of cassiterite mineralisation to the south of the mine. All completed K series holes are shown in Figure 9. A compilation map (Figure 11) of the southern half of the Pioneer area is included in this report for the first time. This map shows all holes (except K120) completed in this six monthly period. All locateable previous drilling is also shown.

TABLE 9

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PIONEER

YEAR: 1980

DRILLING METHOD: Wallis Drilling to Reverse Circulation.

Hole 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)	Grade ■ (g SnO ₂ /m ³)	Total Theoretical Vol (L)
K 150	77300 52000	98.19	47.19	56	51			343	98.13	317		313		286	256
K 150 Rearill	77300 52000	98.19	47.19	53	51			261	104.63	325		319		401	256
K 151	77400 52200	92.49	50.49	46	41			206	203.96	1735		936		990	206
K 152	77000 52200	94.51	47.51	50	47	10000	470000	240	85.07			344	161680	354	236
K 153	77300 52550	91.06	46.06	48	45			223	125.92	538		465		565	226
K 154	77400 52200	92.49	51.79	46	41			183	25.45	130		131		139	206
K 155	77400 51800	91.65	54.65	42	37			192	8.27	61		61		43	186
K 156	77300 51800	87.23	53.23	42	34			143	1.36	15		15		10	171
K 157	77300 51600	97.83	88.83	36	9			33	1.29	31		34		39	45
K 158	77100 51600	93.51	73.51	26	20			88	1.84			32		21	101
K 159	77000 51600	95.09	59.84	42	35.25			176	9.92			54		56	177
K 160	76900 51600	94.51	59.01	42	35.5			232	15.54			80		67	178
K 161	77000 51700	91.74	61.74	36	30			178	7.1			53		40	151
K 162	77000 51800	96.50	54.50	45	42			324	11.9			34		37	211
K 163	77000 51900	98.87	50.87	51	48			328	13.28			31		40	241
K 164	77000 52000	100.63	49.13	54	51.5			314	9.64			27		31	259
K 165	77000 52100	96.98	52.58	48	44	10000	440000	165	15.04			83	36520	91	221
K 166	76900 52200	98.25	52.25	54	46			193	4.65			24		24	231
TOTALS															

* Grade calculated by relating recorded volume to recovered tin

+ Grade calculated by relating Bedford factored volume to recovered tin (Red Fac = 80%)

■ Grade Calculated by relating total recorded volume to total recovered tin.

Author: A. Fleming / R. Munro.

Date: February 1980.

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For consistent documentation in this and future reports it is necessary to define the geographical setting of several locally used locality names. In this report they mainly refer to land mantled by sheets of Tertiary alluvium.

1. The Poverty Point Area - An area of at least 60 hectares down lead of the Poverty Point Mine. The area is bounded by granite outcrops near the Gladstone Road to the east and south. The northern boundary is an arbitrary east-west line extending west from Rocky Knob (the 51400 N co-ordinate).
2. The Football Ground or South Pioneer - These names refer to an area of at least 100 hectares lying north of the Poverty Point area (1). The eastern and northern boundaries are Racecourse Road. This area includes the Football Ground Reserve and the Racecourse Creek marshes.
3. Pioneer Mine - This area comprises all land north of Racecourse Road but south of the Bradshaw's Creek diversion race and Bradshaw's Creek. It includes the old and presently operating mine together with the proven ore reserve block.
4. North Pioneer - This name refers to all ground immediately north of the Pioneer Mine (3). The results of prospecting at North Pioneer are discussed separately in Section 3.5.

3.6.2.1 - Current Activity - Cable Tool Drilling

Fourteen of the fifteen cable tool percussion holes (Table 10) drilled during this period are at the Football Ground. Drilling on a 100 metres square grid has resulted in significant discoveries of cassiterite mineralisation over-lying a flat basement. The highest grade hole, (K 111) is thought to be close to the best Austral Malay bore put down in 1935. Approximate Austral Malay borehole locations were recorded on a sketch map however exact locations are unobtainable. It is now considered that the Austral Malay results are reliable.

AMDEX MINING LIMITED - NORTH EAST TASMANIA - DRILLING SUMMARY

AREA: PTUNEEB SOUTH PTUNEEB		YEAR: 1978-80		DRILLING METHOD: PERCUTS-TCM																
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)							
K 108	77400 52100	98.19	50.49	51	47.7	10,000	477000					36	17172							
K 109	77100 52100	99.24	51.54	51	47.7	10000	477000					129	61533							
K 110	77400 52300	92.49	51.49	46	41.0	10000	410000					211	174660							
K 111	77300 52000	98.19	48.69	54	49.5	10000	495000					361	163845							
K 112	77100 52000	100.84	50.64	55	50.1	10000	501000					137	68637							
K 113	77300 52100	97.12	48.12	54	49.0	10000	490000					67	32830							
K 114	77200 52100	97.46	50.56	52	46.9	10000	469000					142	66598							
K 115	77300 52200	94.80	50.30	50	44.5	10000	445000					207	92115							
K 116	77200 52000	99.23	53.33	50	45.8	10000	458000					71	32518							
K 117	77500 52200	91.80	55.30	42	36.5	10000	365000					73	26645							
K 118	77200 51900	94.59	51.59	48	43.0	10000	430000					24								
K 119	77400 52000	95.83	49.83	51	46.0	10000	460000					285	131100							
K 120	77400 52900	93.80	46.90	52	46.9			622	59.1			63								
K 121	77100 52200	95.38	49.38	52	46.0			510	17.52			28								
K 122	77500 52000	85.28	50.28	39	35.0	10000	350000	397	136.04			272	95200							
												238	83300							
TOTALS																				

*Grade calculated by relating recorded volume to recovered tin

+Grade calculated by relating corrected volume to recovered tin (Recovery 80%)

Author: R. Munro

Date: March 1980

Basement depths of holes on the football ground reserve are greater than previously encountered elsewhere on the Pioneer tin field. This factor together with the lower grade of the overburden tends to buffer the high basal mineralisation to a much greater extent. Shallower holes are at present being drilled on or near the base of the slope which parallels Racecourse Creek and the Recreation Ground plateau (Figure 11).

3.6.2.2 - Reverse Circulation Drilling

At the Football Ground the reverse circulation holes partly encircle a group of percussion drilling. The reverse circulation holes were drilled to delineate the extent of known mineralisation and to provide additional data to further develop the conceptual model of the Pioneer deposit which was presented in the last six monthly report. The basement data provided by this drilling has enabled a more extensive basement map to be produced (Figure 10).

Drilling results were poorer than anticipated. K 152 was the only hole to intersect undiscovered tin bearing strata.

A review of this drilling together with an appraisal of the results of several check bores is contained in the accompanying report. Drill results are summarised in Table 9.

3.6.2.3 - Auger Drilling

Limited auger drilling was undertaken to obtain basement data. Results are tabulated on Table 11. The location of the holes are shown on Figure 11. The depths to the basement for the shallow holes shown in Figure 11 are reliable, however the basement depth for the deeper holes are very approximate. The use of this exploratory method has been discontinued at Pioneer due to the uncertainty of obtaining an accurate depth of the decomposed granite - sediment interface.

3.6.3 - Conclusions and Future Activity

Sample drilling will be continued during the next six monthly period. There is scope for continued exploratory drilling in all directions from the mine. If a sufficient area of mineralisation is located in the Football Ground area, a large number of infill holes will be drilled to prove up the reserves.

3.7 Riverside Area

3.7.1 - Location

A four hectare block of the Riverside (South Endurance) operation was selected for testing with a cable tool rig. The area lies several hundred metres west of the Ringarooma River 81400 m E - 58200 m N at South Mount Cameron. Access to the land is by way of the mine track which joins the Gladstone Road near the Ruby Creek Bridge. The area is part of a low lying flood terrace which is at present partly covered by lightly wooded regrowth.

3.7.2 - History and Previous Investigations

Prospecting and mining have been pursued on several occasions in the last fifty years. T. Carey hand bored an area which partly overlaps with the current area of interest. Eighty tons of cassiterite averaging 700 g/m^3 was the stated reserves from this drilling.

In 1953-1954 Dorset Tin Dredging drilled many holes in this section of the Ringarooma River and its' flood plain. The discovery of profitable reserves in this portion of the river ultimately lead to its exploitation by this company in 1960. The dredging of this section of the river (termed Dorset Extended, or Endurance Flats) removed part of T. Carey's reserve block. The close proximity of the Endurance Tin Mining Company pumping station prevented the dredge from taking the other portion.

The Dorset Tin drilling campaign employed a 40.6 cm diameter Conrad drill. Part of the results of this programme is presented as an inset on Figure 12.

Two of these early Conrad holes were located in the field and have been termed Conrad 1 and 2 on Figure 12. It is probable that Conrad 1 is either G 4 or F 4 and Conrad 2 is either G 5 or F 5. An extensive search failed to locate further Conrad holes. The grade of G 3 (308 g/m^3) provided the catalyst for the commencement of the current investigations.

In 1973 BMI Mining drilled seven holes on a single line using a Gemco rig unit with open flight augers. The grades obtained ranged from 667 g/m^3 to 84 g/m^3 .

Again difficulty was encountered locating these drill holes. A single hole was eventually located, but this was insufficient to relate this series of bores to the current investigations.

3.7.3 - Current Conditions and Investigations

In 1979 a scraper-supplied sluice-box operation known either as South Endurance or Riverside commenced operations. Evaluation of an area for scraping operations is usually performed with a hand auger or shovel. Such methods were not sufficient to evaluate the area of known deeper sediments previously drilled by Dorset Tin Dredging.

During January and February 1980 a cable tool rig was engaged to drill thirteen sample holes on a 40 metre grid over a four hectare area. Hole locations are shown on Figure 12. Drill logs are included in Appendix I and the results appear in summary form in Table 12. Grade results are poorer than anticipated. Payable grades were recorded for two out of four holes located on slightly elevated land farthest from the river. The drilling shows variable granite basement depth below the terrace.

TABLE 12

AMDEX MINING LIMITED - NORTH EAST TAMBANIA - DRILLING SUMMARY

AREA: Riverside-Deeper ground

YEAR: 1980

DRILLING METHOD: Percussion

x10⁻⁶ x10⁻⁶

Hole No.	Collar Coordinates mE mN	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 (%)	Total rec. SnO ₂ (g)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade + (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Grade * (gSnO ₂ /m ³)	Contained SnO ₂ (kg)	Total rec. Au (g)	Grade * (g Au/m ³)
RP1		99.33	93.53	9	5.8			53.3	19.93	287		215		374		-	-
RP2		98.66	94.16	7	4.5			45.8	8.24	177		114		180		-	-
RP3		98.34	93.94	7	4.4			56.2	14.45	243		204		257		Gold present	
RP4		97.54	92.54	7	5.0			80.2	8.03			86		100		BLD	BLD
RP5		99.50	92.70	10	6.8			74.2	12.95			117		174.5		24	235
RP6		99.53	93.33	7	4.2			45.3	8.51			126		187.5		165	3809
RP7		98.48	92.68	9	5.8			59.6	12.07			127		202		75	1169
RP8		97.92	93.92	7	4.0			68.1	4.63			70		68		877	12618
RP9		99.70	94.20	9	5.5			71.7	16.72			189		233.5		68	1026
RP10		104.19	96.39	11	7.8			135.3	11.52			75		70		283	1047
RP11		103.80	95.2	11	8.6			164.2	49.88			346		369		116	692
RP12		110.56	102.76	11	7.8			124.8	43.26	369		344		344		2449	21000
RP13		101.68	97.68	7	4.0			66.1	4.93	78		76		75		190	3000
RP14		107.27	same	N.D.													
TOTALS																	

*Grade calculated by relating recorded volume to recovered tin

Author: R. Munro

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

Date: March 1980

" " " " recorded volume to total recovered tin.

1 Arbitrary datum for reduced surface and basement levels.

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Surfacial weathered granite or granite outcrop encircled the area of interest to the north and west. The average grade (100 g SnO₂/m³) of the lowest level holes (RP 1 to RP 9) were similar to that worked by the Dorset Dredge at Endurance Flats.

Considering the exceptional surface richness for other parts of the Riverside area, surface enrichment in this area was patchy and poor. Cobble-sized wash was rarely encountered in the drill holes. Rounded medium to large quartz pebbles were a common minor constituent, usually associated with a yellow silty clay.

Gold and hercynite (described as blackjack in the drill logs) are common heavy minerals. The association of these two minerals is typical in the fluvial deposits of the present Ringarooma River at South Mount Cameron. All samples from bores RP 4 to RP 14 were analysed for gold. Gold assay results obtained from our mainland assay laboratory were inconsistent with the sample washer's descriptions. It was later learnt that assay procedures which involve grinding the sample prior to analysis discriminate against a soft malleable metal such as gold. Counting grain or perhaps weighing them would give a more consistent result. The grade results calculated for these drill holes are most probably incorrect and should be treated with caution.

3.7.4 - Conclusions

Reserves are not insufficient to support a profitable gravel pump operation in the Riverside area. Some areas could be economically taken by scrapers however it is probable that the highest grade mineralisation lies below the river level and the present water table and mining with scrapers may be impractical.

4. PROPOSED EXPLORATION FOR THE NEXT SIX MONTHLY PERIOD

During the ensuing exploration period the following programmes are expected to be continued or initiated.

1. Deep drilling of the Pioneer deposit to further define additional reserves.
2. Mapping and shallow drilling in the Pioneer district to refine basement picture.
3. Investigation of the cassiterite content of the old Pioneer Tin Mining Company tailings.
4. Exploration around the eastern and south-eastern margins of Mount Cameron including the Big Valley area.
5. Drilling of a large triangular area north of Corduroy Creek and including an old mining area known locally as "Watts" for shallow deposits.
6. Exploration for possible placer deposits between the Pioneer and Endurance leads.



R. Munro and T. Neale

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TECHNICAL REPORT

EXPLORATION LICENCE 2/77
SOUTH MOUNT CAMERON, TASMANIA
REPORT FOR THE SIX MONTH
PERIOD ENDING 8TH MARCH 1980

VOLUME 2

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Author: R. Munro and T. Neale

Investigations Conducted by: Kibuka Mines Pty. Limited

Typed by: A. Dale

Date: 13th May 1980

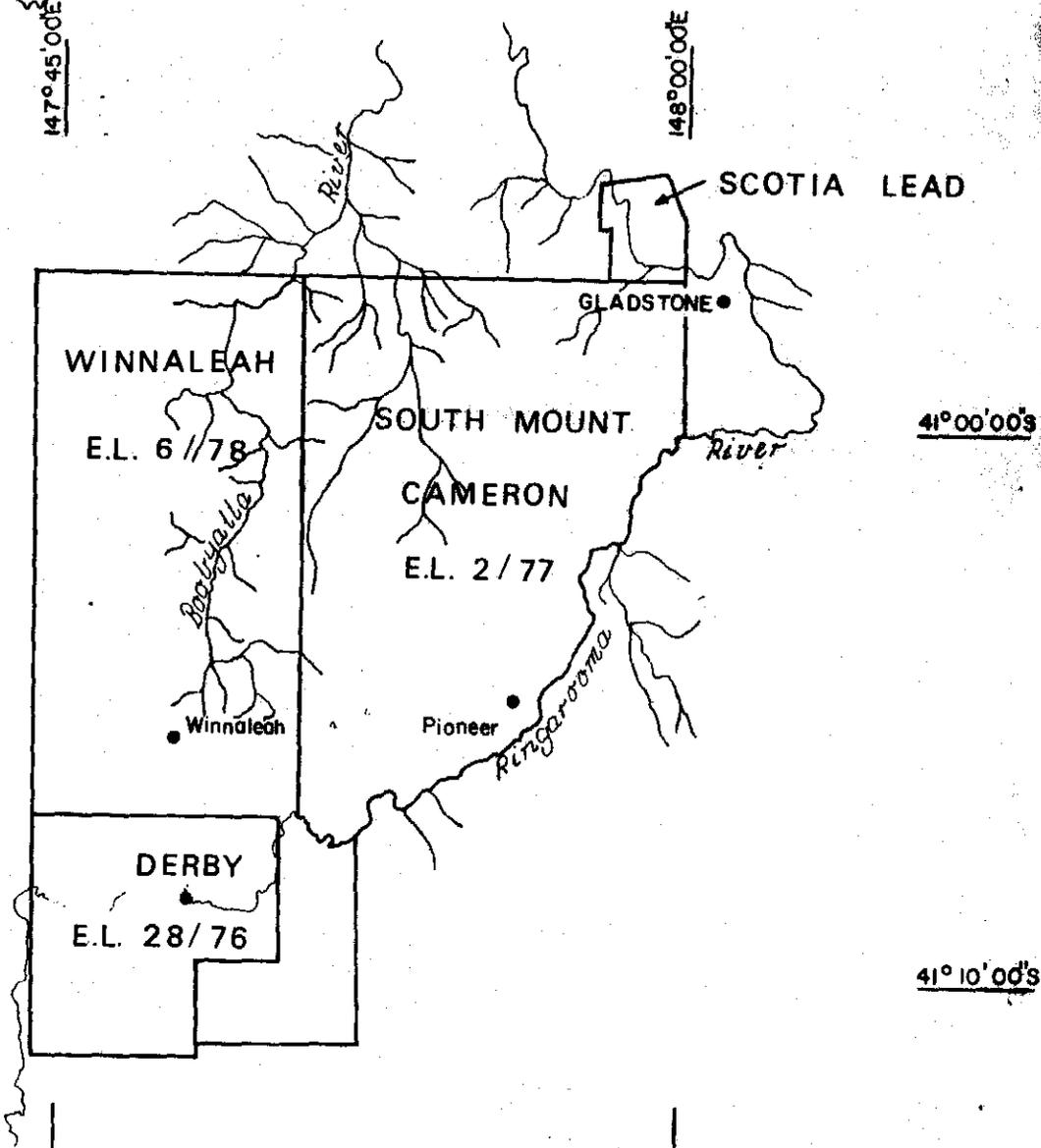
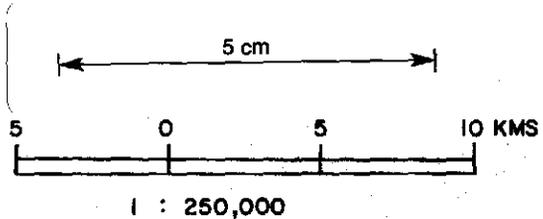
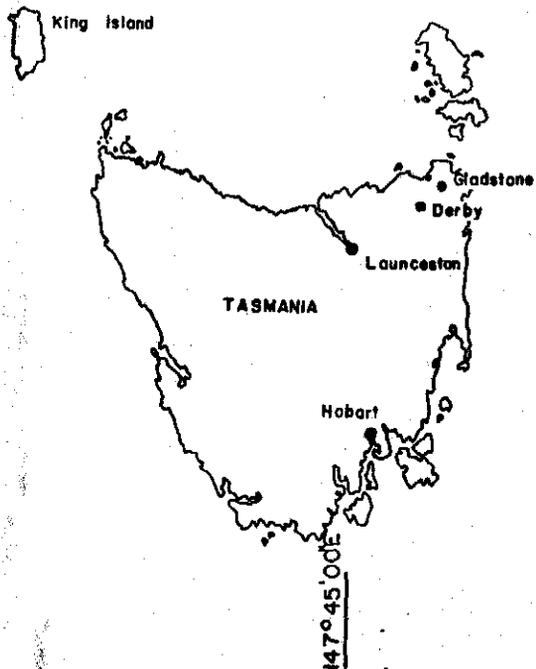
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Kibuka Mines Pty. Limited, Sydney, New South Wales

PROJECT: D 137 South Mount Cameron, Tasmania

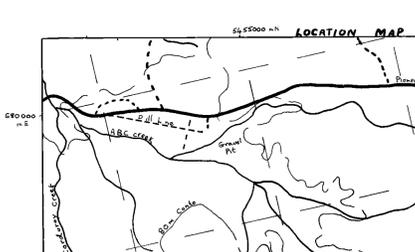
OPEN FILE

1 250.000 Sheet Index No: SK 55-4

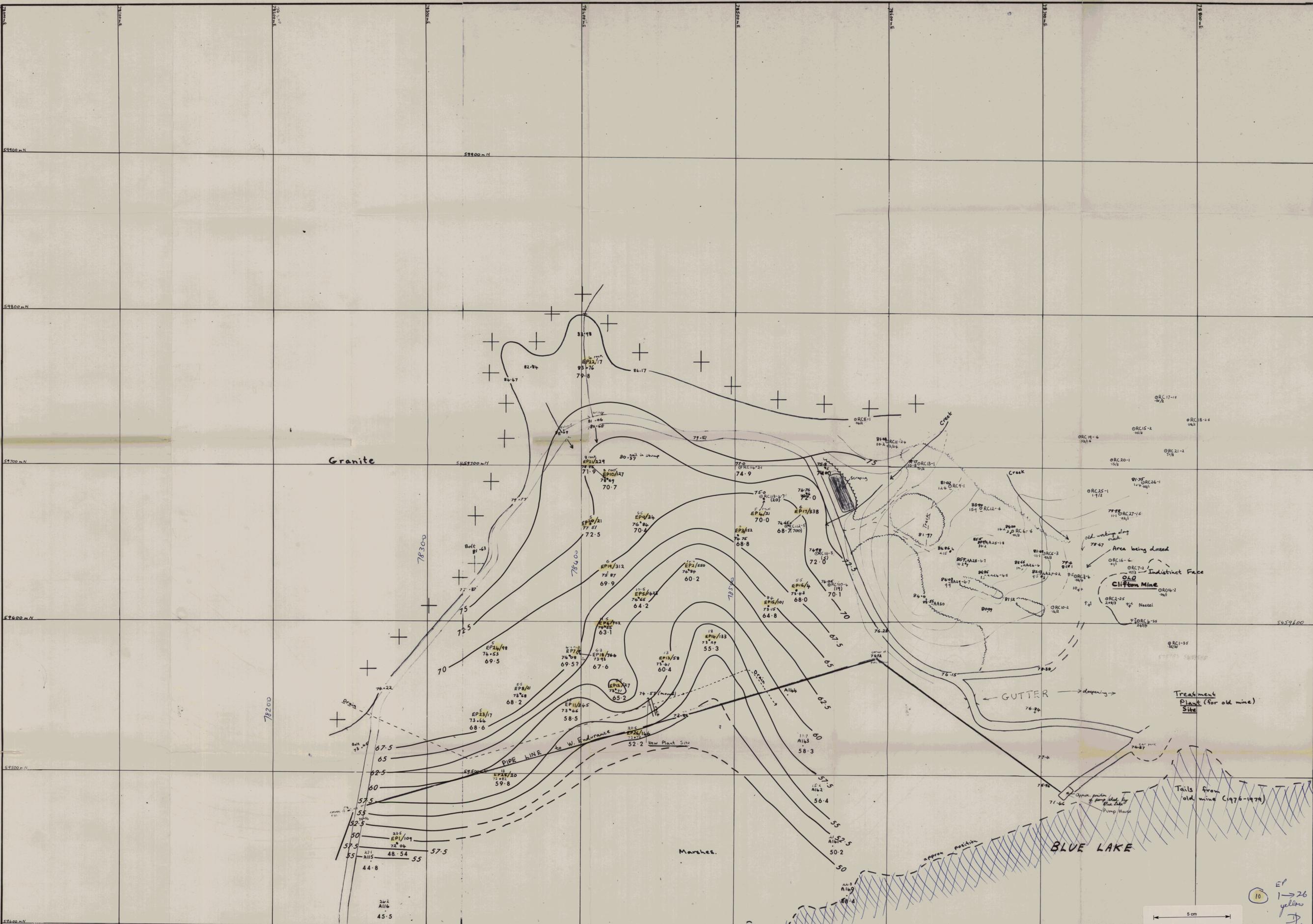
046050



AMDEX MINING LIMITED
NORTH - EASTERN TASMANIA LOCATION MAP
SHOWING CURRENT E.L.'S



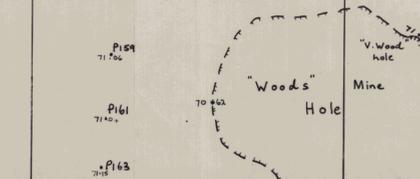
AMDEX MINING LTD - PROSPECTING - ABC CREEK AREA - N.E. TASMANIA			
Legend			
70° AA 41 - Sample Auger Hole with Surface Elevation (m)	Shallow testwork on an old fluvial terrace deposit Tested with 14.2 cm Auger and 16 cm Cable tool equipment		
70° P1 - Sample Percussion Hole with Surface Elevation (m)	Scale 1 to 1,000	Date: March 1980	
	Data R Munro	N ←	Horoz Control arbitrary
	Drawn		Approx Grid North	Height Control approx A H D



EXPLORATION-POSSIBLE NEW CLIFTON MINE-Amdex Mining Ltd

Legend	
81-63	Surface R.L. (m)
81-63	Hole number
RC3-3	(Reverse circulation)
72/3	Depth to basement (m)
	Grade 3 S.O. ₂ /m ³ over interval indicated
	Basement R.L.
74-18	Surface R.L. (m)
	Reverse circulation hole number
	Depth to basement
	Grade 3 S.O. ₂ /m ³
	Basement R.L. (m)
86-63	Surface R.L. (m)
AR29-57	Geochem hole number
797	Depth to basement (m)
	Basement R.L.
75-80	Surface R.L.
85	Backhoe Pit Number
76-0	Basement R.L.
14-6	Depth to basement (m)
EP2/550	Percussion hole number
7789(1)	Grade 3 S.O. ₂ /m ³
	Basement R.L. (m)
	Surface R.L. (m)
22-8	Depth to basement (m)
AI160	B.M. Auger hole number
60-2	Basement R.L. (m)
	Contour Interval 2.5 m

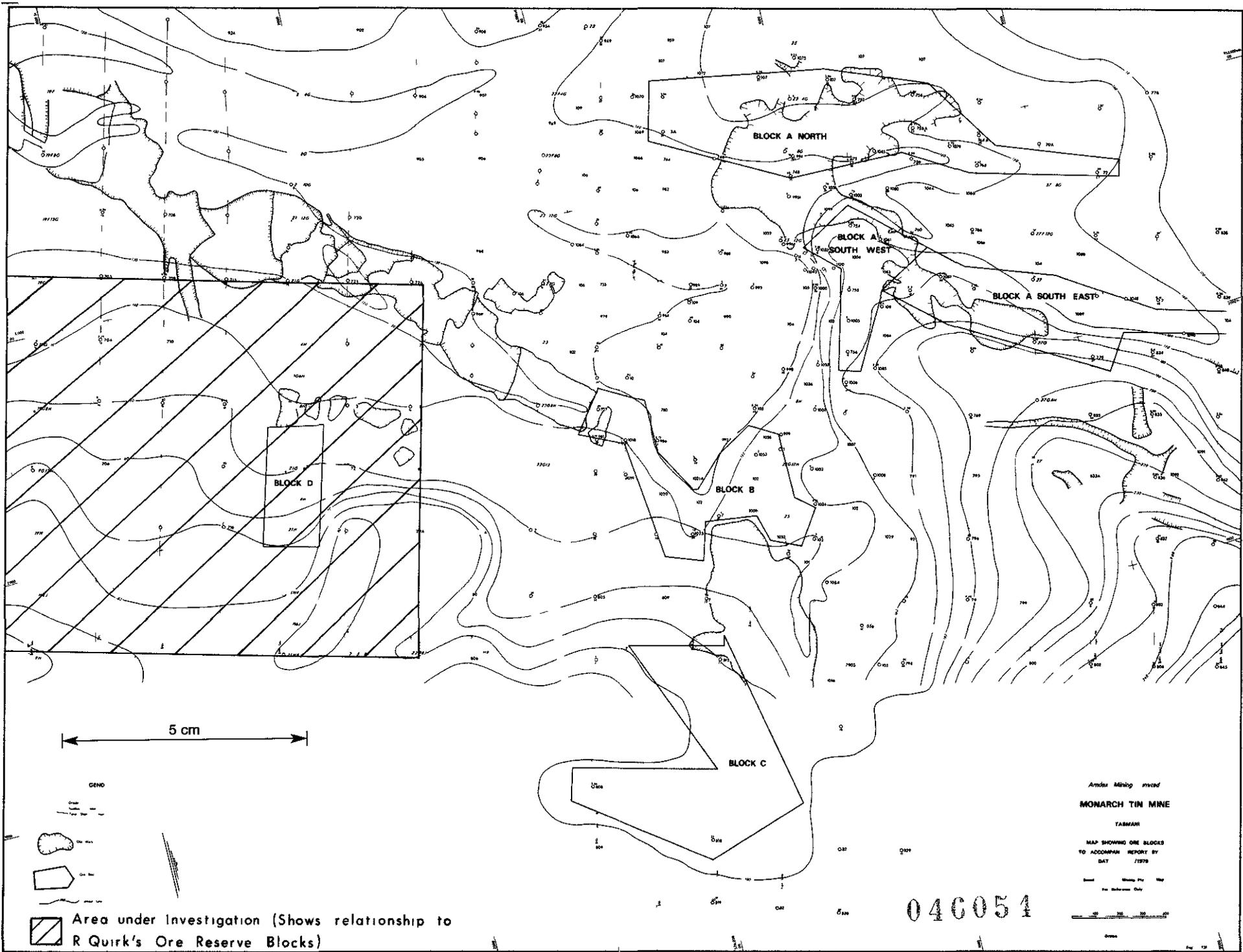
Scale: 1:1000	Geologist: R. Munro.
Date: November 1979	Drawn: R. Munro.
046052	
Location: South Mt. Cameron	
N.E. Tasmania	



5 cm scale bar

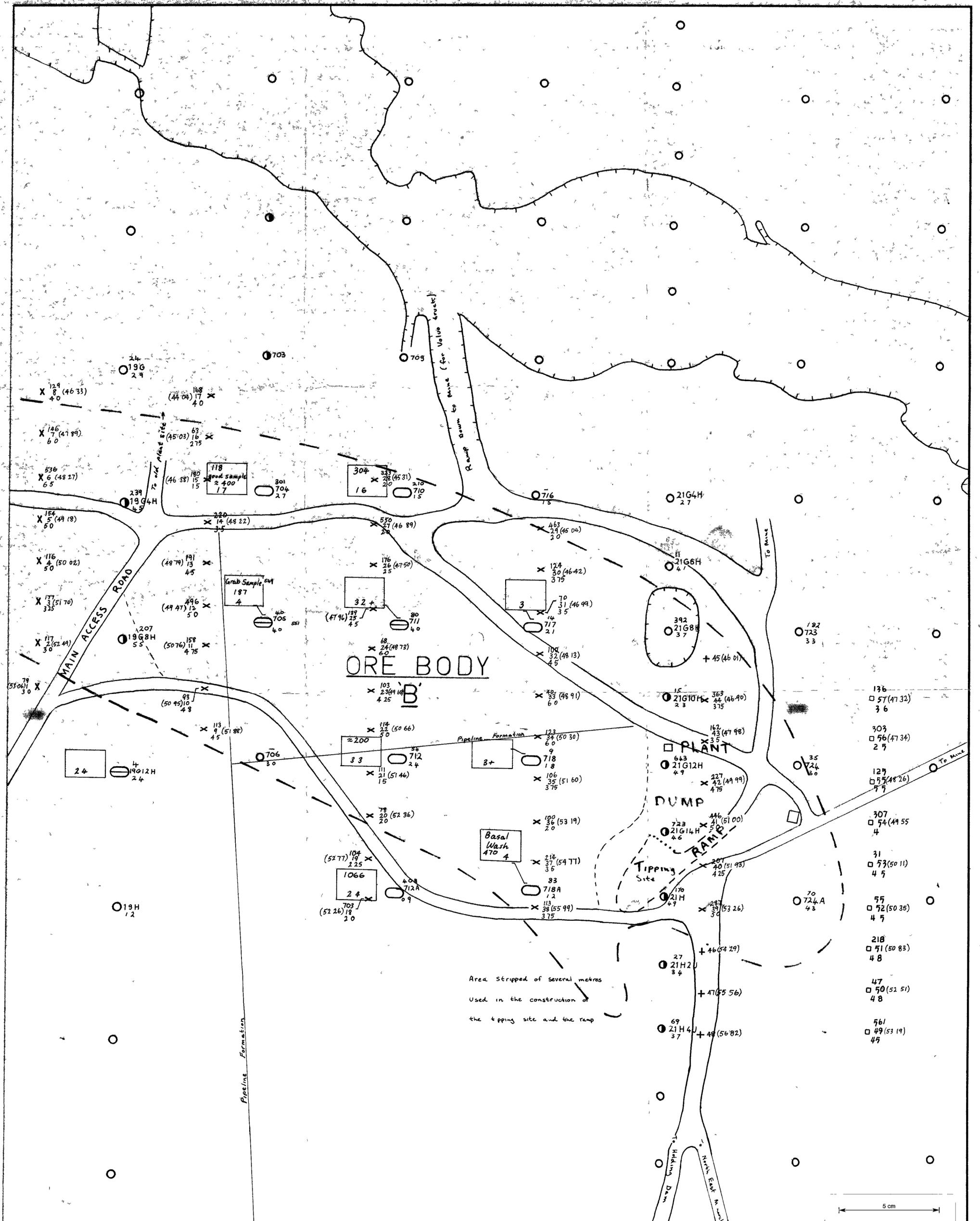
EP 1-26 yellow J.

BASEMENT MAP



80-480

Dwg No T41 **FIGURE 6**
Data R Munro Date April 1980



KIBUKA MINES PTY LTD 046055

BHP - ORE BODY 'B' - AMDEX ASSESSMENT

Location Monarch Mine
 NE Tasmania
 Scale 1:1200
 Geologist R Munro
 Date November 1979
 Drawn R Munro

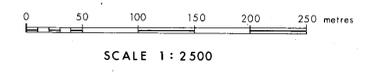
Legend		Surface RLs of Amdex holes in parentheses	
□	AMDEX percussion drill hole	Backhoe Investigations	Grade - g SnO ₂ /m ³
×	AMDEX reverse circ drill hole	Grade	210
○	BHP or BMI drill hole	Depth to Basement	710
○	BHP or BMI drill hole - relocated	Hole Number	15
○	Amdex backhoe pit near old drill hole location	Depth to basement - m	
○	Amdex backhoe pit exactly on old drill hole		

Amdex Results Existing Information FIGURE 7

Amdex Mining Limited
PIONEER, TASMANIA

LEGEND

- 50.0 REDUCED LEVEL - DRILL HOLE
CONTOUR INTERVAL 2.5 m
- AA21 AMDEX AUGER DRILL HOLE
- GRANITE BEDROCK WITHIN 2m OF SURFACE
- GRANITE BEDROCK OUTCROP
- GRANITE FLOAT
- BORDER OF MAPPED AREA

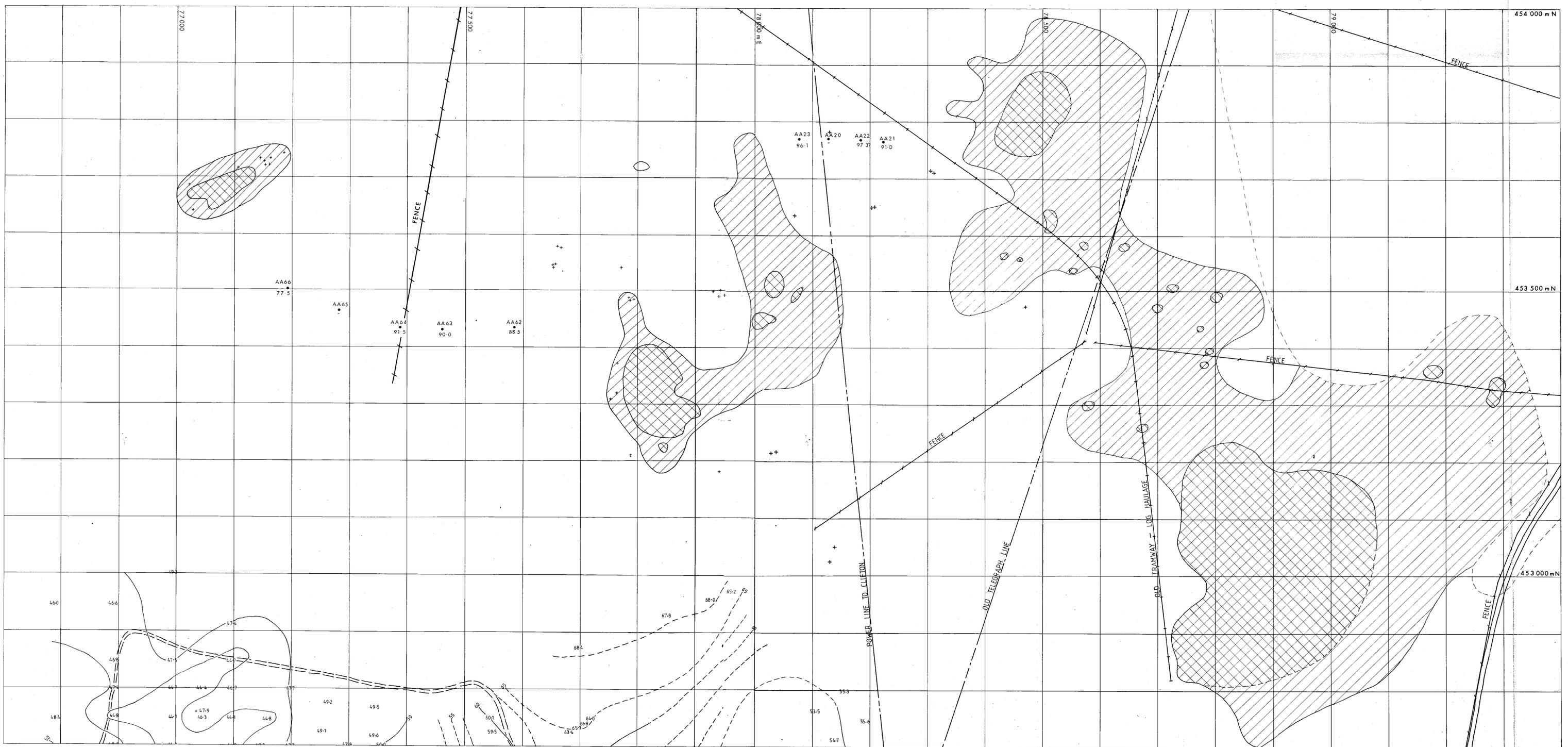


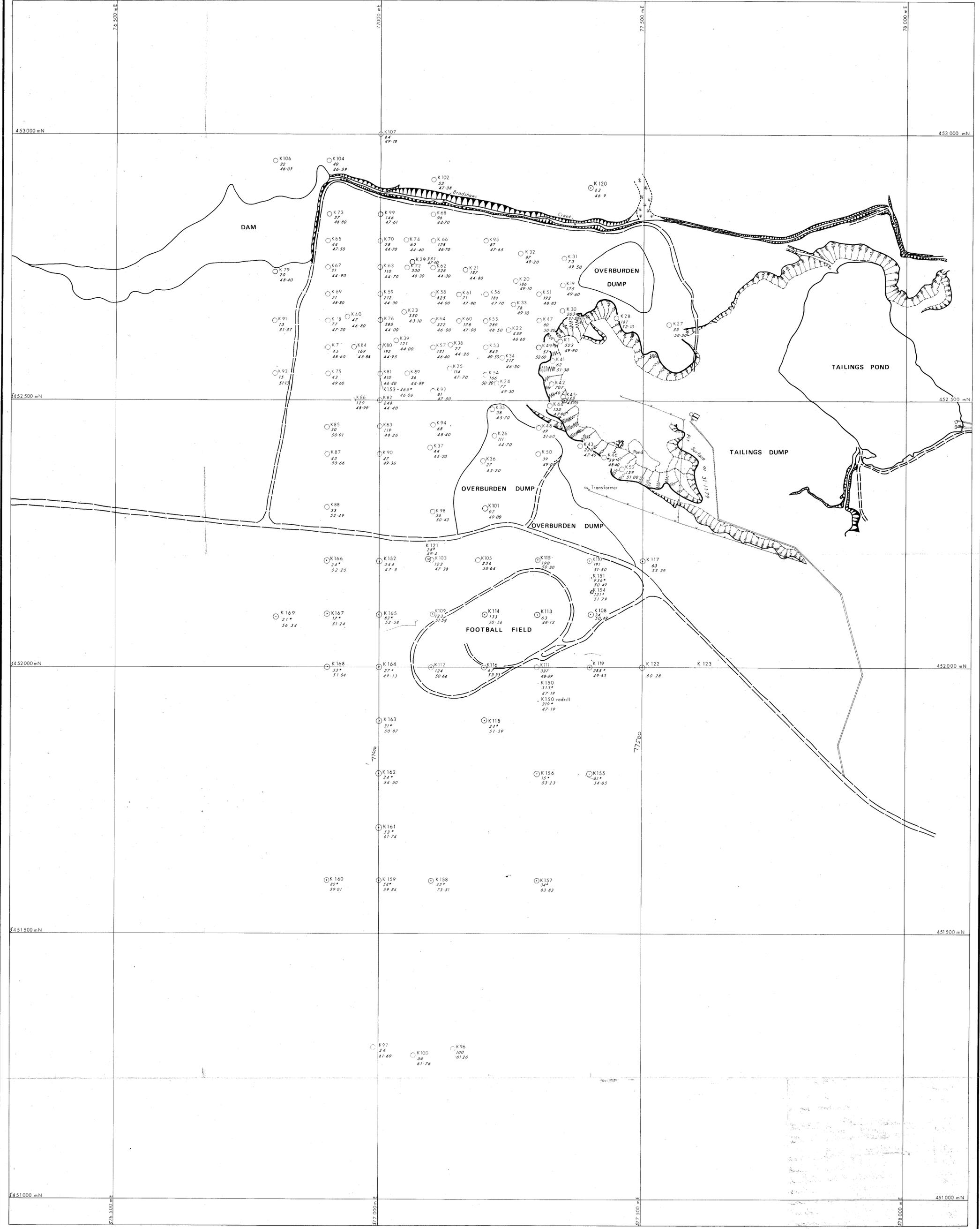
NORTH PIONEER MINE AREA CONTOURED REDUCED LEVELS
OF GRANITE BASEMENT / GRANITE OUTCROP MAP

Author: R. MUNRO Date: March, 1980 Dwg. No.: P136/97 FIG. 8
 Drawing: B.G. Scale: 1:2500 Base Plan: P136/59a & b



040056

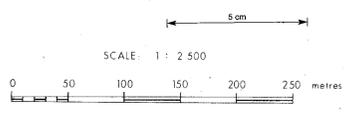




LEGEND

- Road
- Track
- Power line
- Swamp
- Embankment
- Pit face
- Water pipe

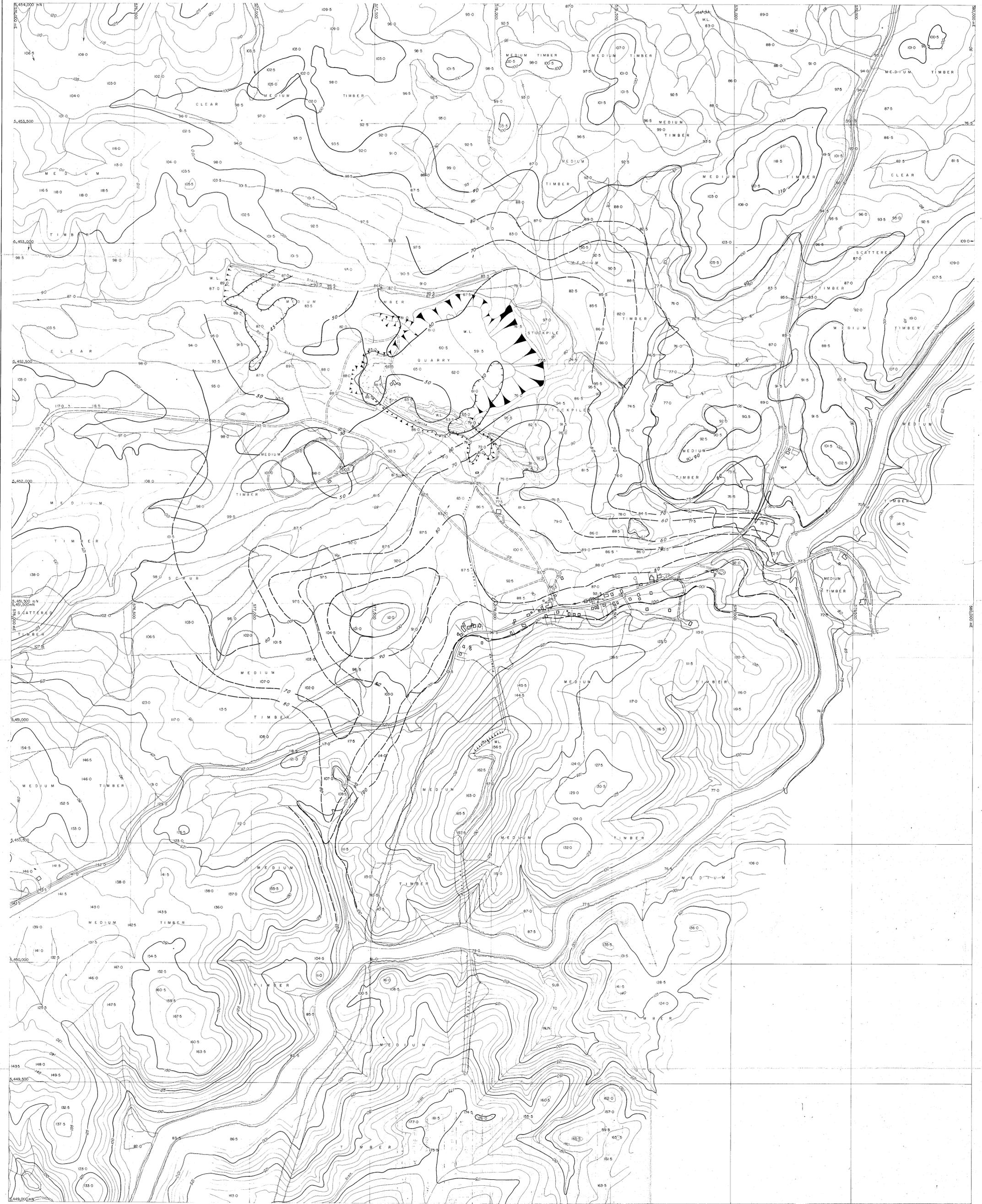
○ K100 Kibuka percussion drill hole
 56 overall grade gSnO₂/m³
 61-76 Basement R.L.
 * Grade calculated by relating Radford
 factored volume to recovered tin
 (Rad. fact. = 80%)



Amdex Mining Limited
 N.E. TASMANIA
 PIONEER TIN MINE

DRILLING & PIT PLAN

80-480 046057
 Author: A. FLEMING Date: October, 1979 Draw: No. 136/52
 Drafting: B. G. Report No. Base Plan: 136/52 a



Prepared by AUSTRALIAN AERIAL MAPPING PTY. LTD. N.S.W.
REF. NO. 4081

SHEET INDEX	
1	2
3	4

- LEGEND**
- 10m contour intervals of granite basement
 - - - Inferred 10m contour intervals
 - - - Depressional contour
 - ▴ Granite outcrop

AMDEX MINING LTD
PIONEER TIN MINE
REGIONAL BASEMENT CONTOUR MAP
SCALE 1 : 5000

ANDREW SHIRLEY & ASSOCIATES PTY. LIMITED
CONSULTING CIVIL & TECHNICAL ENGINEERS
Suite 3, 17-19 F. Lane Street,
Melb. 3000, VICT. (03) 476 5177

Data by: R. MUNRO, T. I. NEALE
Date: March, 1980
Drawing: B.G.
Base Plan: P136/19b.d Dwg. No: P136/96

GRID	DATUM	FIGURE TO
AMG	AHD	



KIBUKA MINES PTY. LTD. 046059

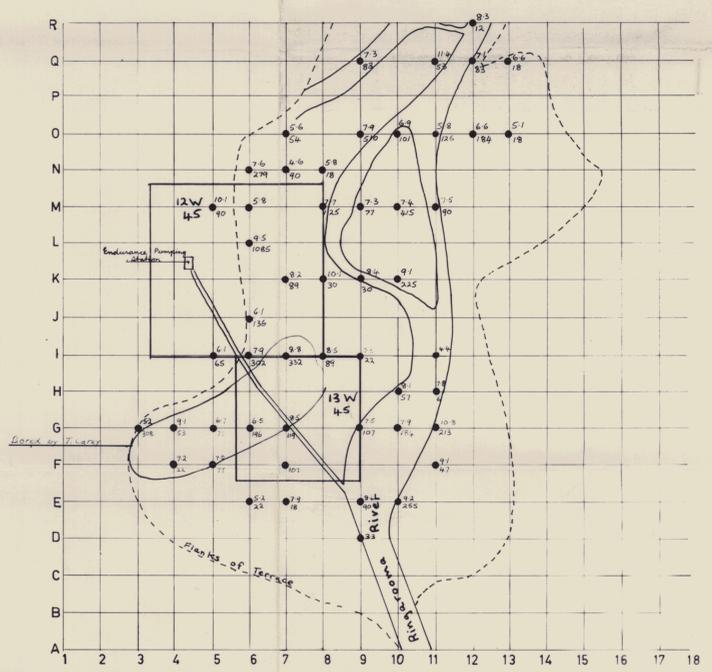
POVERTY POINT-PIONEER FOOTBALL GROUND-DRILLING AND GRANITE OUTCROP.

<ul style="list-style-type: none"> ○ K150 REVERSE CIRCULATION - AMDEX ● K111 PERCUSSION - AMDEX x AA10 AUGER - AMDEX ● S10 PERCUSSION - STORYS CREEK ● AA10 HAND PLANT - AUSTRAL MALAY ● P10 HAND PLANT - PIONEER TIN 	<ul style="list-style-type: none"> ⊕ GRANITE FLOAT ⊕ GRANITE OUTCROP
---	--

GRADE in gSn/m³ ○ K116 HOLE NUMBER
S33 BASEMENT R.L.

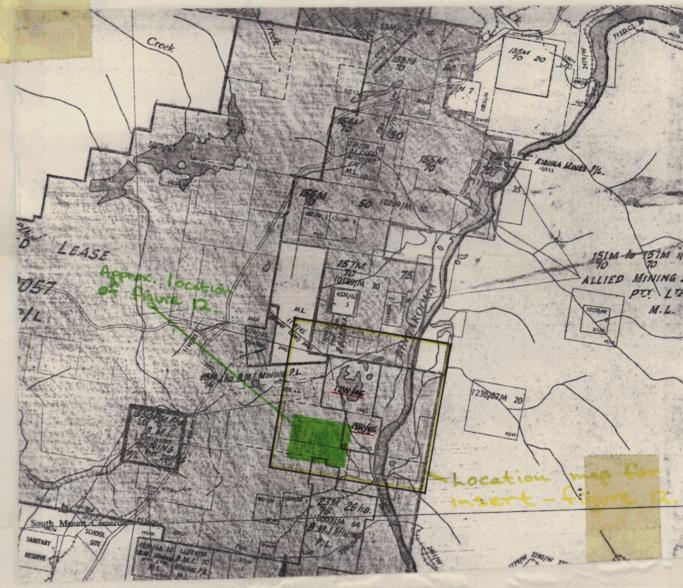
5cm

SCALE: 1:2500.
DATE: January 1980
DRAWN: R. Munro.
Dwg No. P136/94 FIGURE 11



INSERT DORSET TIN DREDGING-DRILLING-ENDURANCE FLATS

● 40.6 cm Conrad hole. Drilled 1953-54. Scale 1:4752 Grid 60 m²
 Depth drilled (m) and grade (gSnO₂/m³) are shown. Driller J Floyed Data R. Munro



KIBUKA MINES PTY. LTD. 046060

Drill hole location and results - Deeper Sediments - Riverside Operation - South Mount Cameron.

LEGEND.
 Surface Reduced Level - NOT A.H.S.
 SN O₂ - g/m³
 AU - g/m³
 PERCUSSION DRILL HOLE NO.
 Basement Reduced Level.

Approx. N. Scale: 1:500
 Drawn: R. Munro
 Date: January 1980
 Grid: 40 m. square

5 cm

E.L. 2/77.

Amdex Mining Ltd

Report for 6 month. Period
Ending 8-3-1980

Vol. 3.

Appendices 1-7.

OPEN FILE

80-1180

Vol 3-3.

0460/3

13

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: ABC Creek Hole No.: AA 47 Collar Co-ordinates: mN mE Drilling Method: Auger

Surface R.L.: 69.70 m Basement R.L.: m Cutting Shoe / Bit diameter: 14.2 cm Theoretical Volume: 15.8 litres

Date: 18-2-80 Driller: E.T. King Assistant: D. Washer Sample Washer: S. Moore Geologist: R. Munro

Section	Metres		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO2)	Grade * gSnO2/m ³	Grade + gSnO2/m ³	Description of Sample
	From	To								
0	1		5838	11 ltrs.	127.5	1.43	2.60	237	Black topsoil, coarse & fine sand, small wash. Tin, Gold.	
1	2		5839	17 "	128.9	0.45	0.83	49	C&F sand, brown cement. Trace of tin.	
2	3		5840	13 "	97.0	0.20	0.28	21	C&F sand, brown cement, white clay, heavy drift. Trace of tin & ilminite.	
3	4		5841	14 "	169.4	0.12	0.29	21	C&F sand, white & yellow clay, heavy drift. Trace of ilminite.	
4	5		5842	10 "	106.6	0.12	0.18	18	C&F sand, yellow clay, heavy drift, Trace of ilminite.	
5	6		5843	14 "	75.3	0.13	0.14	10	C&F sand, yellow & white clay, heavy drift. Trace of ilminite.	
6	7		5844	7 "	129.2	0.10	0.18	26	C&F sand, heavy drift, Trace of ilminite,	
7	8		5845	5 "	147.3	0.09	0.19	38	C&F sand, heavy drift. Trace of ilminite.	
8	9		5846	7 "	104.3	0.08	0.12	17	As above.	
9	10		5847	8 "	118.2	0.08	0.14	17	C&F sand, yellow clay, & heavy drift. Trace of ilminite.	
AMDEX	ASSAY									

Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at m. Grade from surface to inferred basement at 10 m 45.4 g SnO2 / m³ *
 Total recovered volume, surface to basement 106 l. et m g SnO2 / m³ +
 Total recovered tin 4.95 gSnO2 Grade surface -2m- 143 g/m³ 10 m 46.7

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: ABC Creek Hole No.: AA 48 Collar Co-ordinates: mN mE Drilling Method: Auger

Surface R.L.: 68.7 m Basement R.L.: m Cutting Shoe / Bit diameter: 14.2 cm Theoretical Volume: 15.8 litres

Date: 19-2-80 Driller: E.T. King Assistant: D. Washer Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	1	5848	9 ltrs.	132.8	0.79	1.50	167		Coarse and fine sand, brown cement. Tin and blackjack.
1	2	5849	13 "	130.0	0.41	0.76	59		C&F sand, yellow clay, brown cement, birds eye wash, trace of tin.
2	3	5850	14 "	148.4	0.17	0.36	26		C&F sand, yellow clay Trace of tin.
3	4	5851	10 "	145.9	0.59	1.23	123		C&F sand, white & yellow clay, heavy drift, Tin & gold.
4	5	5852	8 "	110.7	0.17	0.27	34		C&F sand, heavy drift. Trace of tin.
5	6	5853	9 "	181.7	0.10	0.26	29		C&F sand, white & yellow clay, heavy drift, Trace of ilminite.
6	7	5854	3 "	158.2	0.09	0.20	68*		C&F sand, heavy drift, yellow clay. Trace of ilminite.
7	8	5855	3 "	165.3	0.08	0.19	63*		C&F sand, heavy drift. Trace of ilminite.
8	9	5856	4 "	97.7	0.08	0.11	28*		C&F sand, heavy drift, small pyrite lumps. Pyrite, trace of ilminite.
9	10	5857	8 "	104.6	0.11	0.16	21*		C&F sand, heavy drift, Trace of ilminite.
10	11	5858	2 "	147.0	0.06	0.12	63*		C&F sand, brown mud. Pyrite.
11	12	5859	½ ltr.	148.8	0.07	0.15	298*		C&F sand, grey clay, pyrite lumps. Pyrite.

AMDEX ASSAY - * Erroneous results - XRF. error. → Grade only calculated to 6m.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement to 6m 63. Total recovered tin g SnO₂ / m³ +
 Total recovered tin 4.38 g SnO₂ Grade -02m = 113 g SnO₂/m³

046069

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: ABC Creek Hole No.: AA 58 ... Collar Co-ordinates: mN mE Drilling Method: Auger

Surface R.L.: 66.3 m Basement R.L.: m Cutting Shoe / Bit diameter: 14.2 cm Theoretical Volume: 15.8 litres

Date: 26-2-80 Driller: E.T. King Assistant: D. Washer Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO2)	Grade * gSnO2/m ³	Grade + gSnO2/m ³	Description of Sample
From	To								
0	1	5911	8 ltrs.	101.7	0.23	0.33	41.8		Black topsoil, coarse & fine sand, brown cement, yellow clay. Trace of tin.
1	2	5912	15 "	113.0	0.13	0.21	140.0		White & yellow clay, C&F sand, Trace of ilminite.
2	3	5913	12 "	130.0	0.09	0.17	13.9		C&F sand, heavy drift, orange clay. Trace of ilminite & monozite.
3	4	5914	8 "	74.8	0.12	0.13	16.0		C&F sand, heavy drift. Trace of ilminite.
4	5	5915	10 "	104.9	0.08	0.12	12.0		C&F sand, white & yellow clay. Trace of ilminite.
5	6	5916	11 "	87.9	0.07	0.09	8.0		Yellow & white clay. Very fine trace of ilminite.
6	7	5917	12 "	120.4	0.066	0.11	9.4		White & yellow clay. Very fine trace of ilminite & monozite.
5 to 7m. described as "bottom like" clay. Too hard to continue drilling.									

AMDEX ASSAY

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

Drillers reported basement at m. Grade from surface to inferred basement at 7 m 34 g SnO2 / m³ *

Total recovered volume, surface to basement l. at m g SnO2 / m³ +

Total recovered tin 1.16 gSnO2 0-2m 91 g/m3

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: ABC Creek Hole No.: P2 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 69.7 m Basement R.L.: 54.2 m Cutting Shoe / Bit diameter: 16.02cm Theoretical Volume: 40.3 litres

Date: 21-2-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	7872	31.0	102.4	3.11	4.55		141	Black topsoil, coarse & fine sand, heavy drift, brown cement, Tin, gold & blackjack.
2	4	7873	27.8	115.4	0.16	0.26		8	Coarse & fine sand, heavy drift, white clay, brown cement, Ilminite & monozite.
4	6	7874	27.0	114.7	0.15	0.25		8	Coarse & fine sand, Trace monozite, ilminite.
6	8	7875	31.4	97.7	0.13	0.18		6	As above.
8	10	7876	20.2	96.9	0.12	0.17		5	C&F sand, brown cement, Trace of monozite, ilminite.
10	12	7877	30.2	63.1	0.15	0.14		4	C&F sand, white clay, Trace ilminite, monozite.
12	14	7878	25.4*	82.7	0.17	0.20		6	C&F sand, white clay, small amount granite. Trace of ilminite.
14	15	7879	14.5*	102.4	0.24	0.35		22	Coarse and fine sand, granite, white clay. Trace of monozite & pyrite.
15	16	7880	12.9*	109.4	0.30	0.47		29	Decomposed granite - Pyrite.
16	17	7881	8.9*	81.6	0.35	0.41		25	Decomposed granite - Pyrite.
Sitted next to AA 47									
* Denotes samples settled to remove all suspended silt and clay prior to measuring the recovered volume.									
AMDEX	ASLAY								

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 14.50 m. Grade from surface to inferred basement at m g SnO₂/m³ *
 Total recovered volume, surface to basement 200.2 l. at 14.5 m 26 g SnO₂/m³ +
 Total recovered tin 6.98 gSnO₂ at 14.5 m 35 g SnO₂/m³ RV.



App. 2.

Clifton Drilling.

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Clifton Hole No: E.P.26 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 72.73 m Basement R.L.: 52.23 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 13/2/80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	7851	36.7	143.6	0.16	0.33	9	10	Grey & yellow clay, C&F sand, ilminite & monozite.
2	4	7852	23.4*	151.4	0.15	0.32	14	10	C&F. sand, heavy drift, granite, ilminite & pyrite.
4	6	7853	25.8*	130.2	21.51	40.01	1551	1239	C&F. sand, heavy drift, med. wash, yellow clay, granite, large amount of tin.
6	8	7854	18.1*	102.6	0.63	0.92	51	29	C&F. sand, heavy drift, white clay. Trace of tin, ilminite & pyrite.
8	10	7855	24.9	176.2	0.41	1.03	41	32	C&F. sand, heavy drift, small wash, brown pyrite cement.
10	12	7856	35.5	95.1	1.11	1.51	42	47	C&F. sand, drift, white & brown clay, small wash, small amount of tin & pyrite.
12	14	7857	27.4	145.7	0.52	1.08	39	34	C&F. sand, organic silt, pyrite lumps, Pyrite.
14	16	7858	31.8	143.1	0.19	0.39	12	12	C&F. sand, heavy drift, brown cement, pyrite lumps. pyrite.
16	18	7859	27.8	201.8	0.16	0.46	17	14	C&F. sand, pyrite lumps, white clay, heavy drift. Pyrite.
18	20	7860	32.2	358.6	0.16	0.38	28	28	C&F. sand, pyrite lumps, heavy drift. large amount pyrite.
20	22	7861	12.0	261.0	0.15	0.56	43	17	C&F. sand, Decomposed granite, pyrite.
22	23	7862	16.1*	192.0	0.11	0.30	19	19	Decomposed granite, pyrite.
23	24	7863	17.7*	170.1	0.14	0.34	19	21	Decomposed granite, pyrite.
AMDEX ASSAY									

* Denotes samples settled to remove all suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 20.50 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 286.8 l. (grade-o-6m = 420g snO₂/m³) at 20.5 m 145.6 g SnO₂ / m³ +
 Total recovered tin 48.12 g SnO₂ at 20.5 m 167.8 g SnO₂ / m³ +

046090

Dwg. no. : P136/64

AMDEX MINING LIMITED - PERCUSE DN DRILL LOG

AREA : CLIFTON HOLE NO. : B.P. 2 COLLAR COORDINATES : SURFACE R.L. : 74.84m BASEMENT R.L. : 60.24m

Date: 7/11/79 Driller: J. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ M. Terry Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight Concentration % Sn	Concentration Assay % Sn	Value over Interval		Description of Sample
From	To		X100	80% Rad. F.		SnO ₂ kg/m	SnO ₂ lbs/yd		
0	2	7316	0.51	0.032	5.00	2.14	2	0.004	Coarse & fine sand, grey clay, ilmenite, monazite.
2	4	7317	0.53	0.032			2	0.004	As above.
4	6	7318	0.40	0.032	12.25	42.6	233	0.393	Coarse & fine sand, grey clay, small wash, coarse tin, monazite.
6	8	7319	0.62	0.032	54.39	52.5	1275	2.150	Coarse & fine sand, small wash, white sandy clay, coarse tin.
8	10	7320	0.82	0.032	14.91	37.1	247	0.416	Coarse & fine sand, small wash, small amount of tin, ilmenite, pyrite.
10	12	7321	0.71	0.032	71.67	4.83	155	0.261	Coarse & fine sand, small wash, lumps of pyrite, very small trace of tin.
12	14	7322	1.26	0.040	467.44	3.27	546	0.921	Coarse & fine sand, large drift, birds eye wash, white clay, pyrite.
14	16	7323	0.66	0.032	253.55	8.85	1002	1.689	Coarse & fine sand, medium wash, granite, pyrite, very small trace of tin.
16	17	7324	0.37	0.016	104.70	10.1	944	1.592	Decomposed granite, tin, pyrite.
17	18	7325	0.48	0.016	38.44	4.73	162	0.274	Decomposed granite, pyrite.

Drillers reported basement at 14.60 m. Overall value from surface to 17 m. 463 kg SnO₂/m³
 Interval of tin bearing wash ----- m. 0.789 lbs SnO₂/yd³

Grade - new method - 550 g SnO₂/m³

046093

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: CLIFTON HOLE NO.: B.P.4 COLLAR COORDINATES: SURFACE R.L.: 75.00m BASEMENT R.L.: 70.00m

Date: 13/11/79 Driller: J. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section	Metres	Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
							SnO ₂ kg/m	SnO ₂ lbs/yd ³	
From	To		x100	80% Rad. F.					
0	2	7333	0.52	0.032	60.26	0.075	2	0.003	Coarse & fine sand, black mud, ilmenite.
2	4	7334	0.39*	0.032	80.80	0.09	3	0.005	As above, with monazite.
4	6	7335	0.61	0.032	68.86	0.88	27	0.046	Coarse & fine sand, decomposed granite, little tin, ilmenite, monazite.
5	5.5	7336	0.33	0.008	73.56	2.24	294	0.496	Decomposed granite, granite rock tin, pyrite.
* denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.									

Drillers reported basement at 5 m. Overall value from surface to 5.5 m. 19 kg SnO₂/m³
 Interval of tin bearing wash m. 0.032 lbs SnO₂/yd³
 Grace - new method - 21 g SnO₂/m³ 046095 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

74.65m

64.15m

AREA : CLIFTON HOLE NO. : E.P. 5 COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 21/11/79 Driller: J. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: K. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
0	2	7357	0.55	0.032	66.57	0.13	4	0.007	Coarse & fine sand, grey clay, large drift, ilmenite, pyrite.
2	4	7358	0.36	0.032	74.96	0.0685	2	0.004	Coarse & fine sand, large drift, ilmenite, monazite.
4	6	7359	0.68	0.032	95.14	38.3	1627	2.743	Coarse & fine sand, small wash, grey clay, tin, ilmenite.
6	8	7360	0.71	0.032	140.17	65.0	4067	6.859	Coarse & fine sand, large drift, small wash, large amount of tin, ilmenite.
8	10	7361	0.90	0.032	162.68	16.5	1198	2.021	Coarse & fine sand, small wash, white & yellow clay, pyrite, lumps tin, pyrite.
10	12	7362	0.61	0.032	176.78	6.67	526	0.888	Coarse & fine sand, granite, small amount of tin, pyrite.
12	14	7363	0.59	0.032	69.93	1.58	49	0.083	Decomposed granite, pyrite.

Drillers reported basement at 10.50 m.

Overall value from surface to 12 m. 1237 kg SnO₂/m³

Interval of tin bearing wash m.

2.087 lbs SnO₂/yd³

Grade - new method 1423 g SnO₂/m³

046096

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSE ON DRILL LOG

73.68m

68.18m

AREA : CLIFTON HOLE NO. : E.P. 8 COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 14/11/79 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B. Shean R. Munro Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
0	2	7337	0.65*	0.032	68.46	0.12	4	0.006	Coarse & fine sand, yellow & borwn clay, ilmenite.
2	4	7338	0.49*	0.032	79.24	0.0325	1	0.002	As above.
4	6	7339	0.43*	0.032	72.53	0.45	15	0.025	Coarse & fine sand, white clay, granite, small wash, trace of tin.
6	7	7340	0.26*	0.016	73.04	0.64	42	0.070	Small amount of tin, ilmenite, granite.
7	8	7341	0.19*	0.016	58.67	0.23	12	0.020	Pyrite, ilmenite, granite.
8	9	7342	0.42*	0.016	75.56	0.20	13	0.023	As above.
9	10	7343	0.5 *	0.016	57.84	0.12	6	0.010	Pyrite, granite.
* Denotes sample settled by removing all suspended silt and clay prior to measuring the recovered volume.									

Drillers reported basement at 5.5 m.

Overall value from surface to 9 m. 12 kg SnO₂/m³

Interval of tin bearing wash 5 m.

0.020 lbs SnO₂/yd³

Grade - new method 21 g SnO₂/m³

046099

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

76.84m

70.38m

AREA : CLIFTON HOLE NO. E. P. 9 COLLAR COORDINATES :

SURFACE R.L.:

BASEMENT R.L.:

Date: 22/11/79 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume % X100	Corrected Volume m ³ 80% Rad. F.	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over interval		Description of Sample
							SnO ₂ kg/m	SnO ₂ lbs/yd ³	
From	To								
0	2	7364	0.46	0.032	69.05	0.0565	2	0.003	Coarse and fine sand, black mud, ilmenite, monazite.
2	4	7365	0.39	0.032	65.97	0.0555	2	0.003	Coarse & fine sand, large drift, ilmenite, monazite.
4	6	7366	0.38	0.032	62.02	0.18	5	0.008	Coarse & fine sand, grey clay, granite pebbles, ilmenite, monazite.
6	8	7367	0.79	0.032	52.32	3.14	73	0.124	Coarse & fine sand, decomposed granite, trace of tin, ilmenite, monazite.
8	9	7368	0.35*	0.016	53.42	0.41	20	0.033	Coarse & fine sand, decomposed granite, ilmenite, pyrite.
9	10	7369	0.49*	0.016	52.66	0.15	7	0.012	Decomposed granite, ilmenite, pyrite.
10	11	7370	0.51	0.016	51.86	0.0355	2	0.003	Decomposed granite, pyrite.

* Denotes sample settled by removing suspended silt and clay particles prior to measuring the recovered volume.

Drillers reported basement at 6.46 m.

Overall value from surface to 8 m. 21 kg SnO₂/m³

Interval of tin bearing wash m.

0.035 lbs SnO₂/yd³

Grade new method 34 g SnO₂/m³

046100

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

78.69m

70.69m

AREA : CLIFTON HOLE NO. E.P.10 COLLAR COORDINATES :

SURFACE R.L.:

BASEMENT R.L.:

Date: 23/11/79 Driller: G. Selby Assistant: N. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section	Metres	Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
							SnO ₂ kg/m	SnO ₂ lbs/yd ³	
From	To		X100	80% Rad. F.					
0	2	7371	0.50	0.032	71.45	0.0405	1	0.002	Coarse & fine sand, large drift, ilmenite, monazite.
2	4	7372	0.62	0.032	71.12	0.0210	1	0.001	Coarse & fine sand, large drift, black mud, ilmenite.
4	6	7373	0.52	0.032	55.78	0.43	11	0.018	Coarse & fine sand, large drift, grey clay, ver small trace of tin, ilmenite.
6	8	7374	0.47	0.032	67.78	6.53	198	0.333	Coarse & fine sand, hard granite, very coarse tin, (nuggets), ilmenite.
8	8.5	7375	1.71*	0.055	104.54	48.6	1320	2.225	Coarse & fine sand, hard granite, medium wash, large amount of very coarse tin, ilmenite.
* Extreme "run in", caused by casing failing to seal off mobile sediments lying above granite rock. may be over valued.									

Drillers reported basement at 8 m.

Overall value from surface to 8.5 m. 127 kg SnO₂/m³

Interval of tin bearing wash m.

0.215 lbs SnO₂/yd³

046101

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

73.46m

58.46m

AREA : CLIFTON HOLE NO. : E.P. 11 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date 26/11/79 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.40 m³ -- B. Shean Casing diameter: 15.24 cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. %					
0	2	7376	0.44	0.032	58.35	0.88	23	0.039	Coarse & fine sand, grey mud, ilmenite.
2	4	7377	0.48*	0.032	67.53	0.26	8	0.013	As above.
4	6	7378	0.39*	0.032	74.00	40.6	1341	2.261	Coarse & fine sand, medium wash, white sandy clay, large amount of tin, ilmenite.
6	8	7379	0.53*	0.032	93.72	24.4	1021	1.722	Coarse & fine sand, brown clinker, white clay, large amount of tin, pyrite, ilmenite.
8	10	7380	0.40	0.032	66.43	0.45	12	0.023	Coarse & fine sand, white clay, organic silt, pyrite lumps, pyrite, tin, ilmenite.
10	12	7381	0.69	0.032	70.73	3.83	121	0.204	Coarse & fine sand, large grit, brown clinker, tin, pyrite.
12	14	7382	0.78	0.032	56.96	1.33	34	0.057	Coarse & fine sand, white clay, pyrite.
14	16	7383	0.98	0.032	145.79	0.22	14	0.024	Coarse & fine sand, granite, pyrite lumps, pyrite.
16	17	7384	0.33*	0.016	154.22	0.03	4	0.007	Decomposed granite, pyrite.
17	18	7385	0.35*	0.016	82.54	0.24	18	0.030	As above.
18	19	7386	0.23*	0.016	39.55	0.22	8	0.013	As above.

* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.

Drillers reported basement at 15 m. Overall value from surface to 16 m. 322 kg SnO₂/m³

Interval of tin bearing wash m. 0.543 lbs SnO₂/yd³

Grade - new method 345 g SnO₂/m³

046102

-(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

73.71m

65.21

AREA : CLIFTON HOLE NO. : E.P.12 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 29/11/79 Driller: G.Selby Assistant: M.Terry Sample Washer: S.Moore Geologist: R.Munro Cutting shoe diameter: 16.03cm
 Theoretical Volume: 0.040 m³ B.Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			x100	80% Rad. F.					
0	2	7387	0.50	0.032	60.80	0.16	4	0.007	Coarse & fine sand, grey clay, ilmenite, monazite.
2	4	7388	0.40*	0.032	62.33	0.14	4	0.007	Coarse & fine sand, grey & yellow clay, ilmenite, monazite.
4	6	7389	0.40*	0.032	60.14	1.5	40	0.068	Coarse & fine sand, grey clay, trace of tin, ilmenite.
6	8	7390	0.38*	0.032	62.45	1.10	31	0.052	Coarse & fine sand, yellow & white clay, brown clinker, trace of tin, pyrite.
8	10	7391	0.65*	0.032	170.05	0.41	31	0.052	Coarse & fine sand, yellow clay, granite, pyrite.
10	11	7392	0.29*	0.016	83.64	0.21	8	0.013	Decomposed granite, pyrite.
11	12	7393	0.23*	0.016	56.15	0.14	4	0.006	As above.
* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.									

Drillers reported basement at 8.50 m. Overall value from surface to 10 m. 22 kgSnO₂/m³
 Interval of tin bearing wash m. 0.037 lbsSnO₂/yd³
 Grade - new method - 27 g SnO₂/m³ **046103** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: CLIFTON HOLE NO.: B.P.13 COLLAR COORDINATES: 73.41m SURFACE R.L.: 60.41m BASEMENT R.L.:

Date: 30/11/79 Drillers: S. Selby Assistant: T. King Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.03cm
 Theoretical Volume: 0.040 m³ Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			100	80% Rad. F.					
0	2	7394	0.50	0.032	68.74	0.029	1	0.001	Coarse & fine sand, grey mud, ilmenite, monazite.
2	4	7395	0.50	0.032	63.92	0.044	1	0.022	Coarse & fine sand, grey clay, large drift, rare small wash, ilmenite, monazite.
4	6	7396	0.65	0.032	64.14	3.77	108	0.182	Coarse & fine sand, white clay, small wash, tin, pyrite.
6	8	7397	0.99	0.032	56.90	1.10	28	0.047	Coarse & fine sand, organic silt, large drift, pyrite, trace of tin.
8	10	7398	0.70	0.032	79.38	6.28	222	0.375	As above, with grey clay.
10	12	7399	0.51	0.032	71.34	0.48	15	0.026	Coarse & fine sand, pyrite lumps, drift, white clay, granite, pyrite.
12	14	7400	0.40*	0.032	59.58	0.16	4	0.007	Coarse & fine sand, granite, pyrite, modules, pyrite.
14	15	7701	0.36*	0.016	40.52	0.0125	0	0	Decomposed granite, pyrite.
15	16	7702	0.62*	0.020	89.48	0.0015	0	0	As above.
16	17	7703	?	0.016	48.04	0.005	0	0	As above.
* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.									

Drillers reported basement at 13 m. Overall value from surface to 14 m. 54 kg SnO₂/m³
 Interval of tin bearing wash 7 m. 0.091 lbs SnO₂/yd³

Grade - new method - 58 g SnO₂/m³

046104

(cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

73.29m

55.29m

AREA BLIFTON

HOLE NO. B.P.14

COLLAR COORDINATES:

SURFACE R.L.:

BASEMENT R.L.:

Date: 5/12/79

Driller: G. Selby

Assistant: J. Terry

Sample Washer: S. Moore

Geologist: R. Munro

Cutting shoe diameter: 16.02cm

Theoretical Volume: 0.040 m³

B. Shean

Casing diameter: 15.24cm

Section from	Metres To	Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
							SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			100	80% Rad. F.					
0	2	7704	0.58	0.032	64.67	0.044	1	0.002	Coarse & fine sand, black mud, ilmenite, monazite.
2	4	7705	0.57	0.032	67.66	0.099	3	0.005	Coarse & fine sand, large drift, black mud, ilmenite, monazite.
4	6	7706	0.48	0.032	55.08	8.07	198	0.335	Coarse & fine sand, medium wash, white clay, tin, ilmenite, pyrite.
6	8	7707	0.66	0.032	45.51	5.07	103	0.174	Coarse & fine sand, large drift, white clay, tin, ilmenite, pyrite, monazite.
8	10	7708	0.80	0.032	106.13	2.54	120	0.203	Coarse & fine sand, pyrite lumps, grey clay, pyrite.
10	12	7709	0.77	0.032	82.00	1.02	37	0.063	Coarse & fine sand, large drift, pyrite lumps, white clay.
12	14	7710	1.19	0.038	116.84	1.59	83	0.140	Coarse & fine sand, pyrite cement, large drift, small wash, white clay, pyrite.
14	16	7711	0.94	0.032	369.2	1.44	237	0.400	As above, no white clay.
16	18	7712	0.86	0.032	1046.22	0.68	317	0.536	Coarse & fine sand, large drift, pyrite cement, small wash, decomposed granite, very large amount of pyrite.
18	19	7713	0.43	0.016	152.79	1.42	193	0.327	Decomposed granite (soft), hard granite, pyrite.

Drillers reported basement at 18 m.

Overall value from surface to 19 m. 126 kgSnO₂/m³

Interval of tin bearing wash 2 m.

0.213 lbsSnO₂/yd³

Grade - new method - 133 g SnO₂/m³

046105 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: CLIFTON HOLE NO.: W.P.15 COLLAR COORDINATES: SURFACE R.L.: 73.15m BASEMENT R.L.: 64.75m

Date: 10/12/79 Driller: G.Selby Assistant: M.Terry Sample Washer: S.Moore Geologist: R.Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ Casing diameter: 15.24cm

Section	Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
	From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
				X100	30% Rad. F.					
0	2	7714	0.63	0.032	73.0	0.05	2	0.003	Black mud, coarse & fine sand, ilmenite, monazite.	
2	4	7715	0.46	0.032	58.3	0.04	1	0.002	Coarse & fine sand, black mud, ilmenite.	
4	5	7716	0.76	0.032	72.98	11.45	373	0.629	Coarse & fine sand, medium wash, large drift, white clay, tin, pyrite, ilmenite.	
6	8	7717	0.50	0.032	71.35	1.23	39	0.066	Coarse & fine sand, white & brown clay, trace of tin, pyrite.	
8	9	7718	0.22	0.016	51.65	0.10	5	0.008	Coarse & fine sand, decomposed granite, pyrite.	
9	10	7719	0.23*	0.016	53.7	0.04	2	0.003	Decomposed granite, pyrite.	
10	11	7720	0.25*	0.016	29.5	0.06	2	0.003	As above.	
11	12	7721	0.42*	0.016	35.35	0.19	6	0.010	As above.	
* Denotes sample settled by removing all suspended silt and clay prior to measuring the recovered volume.										

Drillers reported basement at 8.4 m. Overall value from surface to 9 m. 93 kgSnO₂/m³
 Interval of tin bearing wash ----- m. 0.156 lbsSnO₂/yd³
 Grade - new method 101 g SnO₂/m³ - method 2. **046106** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

75.87m

69.87m

AREA CLIFTON HOLE NO.: E.P.19 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 18/12/79 Driller: G.Selby Assistant: M.Terry Sample Washer: S.Moore Geologist: R.Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ B.Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume % X100	Corrected Volume m ³ 80% Rad. F.	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
0	2	7743	0.65	0.032	32.921	0.16	2	0.004	Black mud, coarse & fine sand, large drift, ilmenite, monazite.
2	4	6644	0.39	0.032	26.491	0.33	4	0.007	Coarse & fine sand, heavy drift, ilmenite, monazite.
4	6	7745	0.75	0.032	15.009	23.23	156	0.262	Coarse & fine sand, medium wash, grey clay, tin, pyrite.
6	7	7746	0.34	0.016	42.923	30.10	1154	1.945	Coarse & fine sand, medium wash, granite.
7	8	7747	0.44*	0.016	12.568	20.94	235	0.396	Decomposed granite, small amount of tin, pyrite.
8	9	7748	0.60*	0.019	6.089	34.06	156	0.263	Decomposed granite, monazite, pyrite.
9	10	7749	0.72*	0.023	4.014	0.45	1	0.002	As above.
* Denotes sample settled by removing all suspended silt and clay prior to measuring the recorded volume.									

Drillers reported basement at 6 m. Overall value from surface to 7 m. 211 kgSnO₂/m³

Interval of tin bearing wash 7 m. 0.356 lbsSnO₂/yd³

Grade - Method 2 312 g SnO₂/m³ **046110** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

77.51m

72.51m

AREA : CLIFTON HOLE NO. : E.P.20 COLLAR COORDINATES :

SURFACE R.L.:

BASEMENT R.L.:

Date 20/12/79 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040 m³ — B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
0	2	7750	0.55*	0.032	12.051	1.13	6	0.010	Black mud, coarse & fine sand, ilmenite, monazite.
2	4	7751	0.62*	0.032	43.987	1.25	25	0.041	Coarse & fine sand, grey clay, small amount of tin, ilmenite, pyrite.
4	6	7752	0.80*	0.032	19.714	3.66	32	0.054	Coarse & fine sand, decomposed granite, small wash, small amount of tin, monazite, ilmenite.
6	7	7753	0.59*	0.019	27.518	0.12	2	0.004	Decomposed granite, monazite, ilmenite.
7	8	7754	0.52*	0.017	28.551	0.05	1	0.002	As above, no ilmenite.
8	9	7755	0.67*	0.021	50.731	0.02	1	0.001	As above, no ilmenite.
* Denotes sample settled to remove all suspended silt and clay prior to measuring the recovered volume.									

Drillers reported basement at 5 m. Overall value from surface to 6 m. 21 kg SnO₂/m³
 Interval of tin bearing wash — m. 0.035 lbs SnO₂/yd³
 Grade - new method - 26 g SnO₂/m³ 046111 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

78.85m

71.85m

AREA : CLIFTON HOLE NO. : E.P.21 COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 21/12/79 Driller: T.King

Assistant: M.Terry

Sample Washer: S.Moore

Geologist: R.Munro

Cutting shoe diameter: 16.02cm

Theoretical Volume: 0.040 m³ - B.Shean

Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
0	2	7756	0.55	0.032	5.062	0.66	1	0.003	Coarse & fine sand, ilmenite, monazite.
2	4	7757	0.53	0.032	8.444	0.18	1	0.001	As above, with grey mud.
4	6	7758	0.51	0.032	5.625	0.80	2	0.003	As above, with grey clay.
6	8	7759	1.26*	0.040	67.875	32.9	798	1.345	Coarse & fine sand, medium wash, hard granite, large amount of coarse tin.
A REDRILL OF E.P. 10									
* Denotes sample settled to remove all suspended silt and clay prior to measuring the recovered volume.									

Drillers reported basement at 7 m.

Overall value from surface to 8 m. 201 kgSnO₂/m³

Interval of tin bearing wash m.

0.338 lbsSnO₂/yd³

Grade - new method - 229 g SnO₂/m³

046112

(cassiterite 70% Sn)

App 3.

Endurance Drilling

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

line 40w 250n

Wallis Drilling

Area: **Endurance** Hole No.: **E.R.C.4** Collar Co-ordinates: mN mE Drilling Method: **Reverse Circulation.**

Surface R.L.: **85.86** m Basement R.L.: **31.86** m Cutting Shoe / Bit diameter: **80mm** Theoretical Volume: **10.1** litres

Date: **31/1/80** Driller: **A. Cameron** Assistant: **T. King** Sample Washer: **S. Moore/B. Shean** Geologist: **T. Neale**

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	7985	8				14.78	13.78	Black topsoil, coarse & fine sand, brown cement. Trace of monozite & ilminite.
2	4	7986	5				14.78	13.78	Coarse & fine sand, brown cement. Trace ilminite & monozite.
4	6	7987	8				14.78	13.78	Coarse & fine sand, white clay Trace very fine tin, ilminite & monozite.
6	8	7988	7				14.78	13.78	Coarse & fine sand, heavy drift, & small wash. Ilminite & monozite.
8	10	7989	6				14.78	13.78	Coarse & fine sand heavy drift, little white clay, ilminite & monozite.
10	12	7990	5				14.78	13.78	Coarse & fine sand, heavy drift, little white clay, ilminite & monozite.
12	14	7991	6		15 grouped		14.78	13.78	Coarse & fine sand, white clay, heavy drift, Ilminite & monozite,
14	16	7992	10		samples.		14.78	13.78	Coarse & fine sand, heavy drift, white clay. Trace of ilminite, monozite.
16	18	7993	8	150.6	0.78	1.67	14.78	13.78	Coarse & fine sand, white clay, heavy drift. Trace of ilminite & monozite.
18	20	7994	2				14.78	13.78	Coarse & fine sand, white clay, small wash, heavy drift, ilminite & monozite.
20	22	7995	12				14.78	13.78	Coarse & fine sand, small wash heavy drift, white clay. Trace fine tin, ilminite & monozite.
22	24	7996	6				14.78	13.78	Coarse & fine sand, white clay, heavy drift, trace of ilminite & monozite.
24	26	7997	9				14.78	13.78	Coarse & fine sand, white clay, Trace of ilminite, monozite.
26	28	7998	12				14.78	13.78	Coarse & fine sand, heavy drift, white clay. trace of ilminite, monozite.
28	30	7999	9				14.78	13.78	Coarse & fine sand, small wash, heavy drift, white clay. ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at m g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: **Endurance** Hole No.: **E.R.C.1** Collar Co-ordinates: mN mE Drilling Method: **Wallis Drilling Reverse circulation.**
 Surface R.L.: **85.86** m Basement R.L.: **31.86** m Cutting Shoe / Bit diameter: **80mm** Theoretical Volume: **10.1** litres
 Date: **31/1/80** Driller: **A. Cameron** Assistant: **T. King** Sample Washer: **S. Moore/B. Shean** Geologist: **T. Neale**

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To									
30	32		8000	14	168.9	0.35	0.83	59.6	59.6	
32	34		9001	11		15 grouped		14.41	14.41	Coarse & fine sand, small wash, heavy drift, white clay. very small trace of tin, ilminite.
34	36		9002	10		samples		14.41	14.41	Coarse & fine sand, small wash heavy drift, white clay. trace ilminite & monozite.
36	38		9003	20	176.6	0.41	1.02	14.41	14.41	Coarse & fine sand, heavy drift, small wash white clay, very small trace of tin, ilminite.
38	40		9004	12				14.41	14.41	Coarse & fine sand, heavy drift, small wash, ilminite & monozite.
40	42		9005	18				14.41	14.41	Coarse & fine sand, white clay, small wash heavy drift, trace very fine tin, monozite, ilminite
42	44		9006	12	116.9	0.30	0.51	42.7	42.7	Coarse & fine sand, heavy drift small -med. wash, white clay. trace tin, ilminite & monozite.
44	46		9010	16	232.5	1.35	4.47	279.57	279.57	Coarse & fine sand, med. & small wash heavy drift. Tin & ilminite.
46	48		9011	4	155.9	0.33	0.73	181.29	89.75	Coarse & fine sand, heavy drift, white clay. Trace tin & ilminite.
48	50		9012	4	200.8	0.21	0.60	150.46	74.48	white clay, coarse & fine sand, small wash Trace fine tin & ilminite.
50	52		9013	6	142.2	0.31	0.64	105.88	78.62	Coarse & fine sand, med.-small wash, white & brown clay. Trace of tin, ilminite, pyrite.
52	54		9014	11	159.0	0.13	0.28	25.91	25.91	Coarse & fine sand, med. & small wash. Large amount of pyrite.
54	56		9015	6	124.2	0.05	0.08	13.94	10.35	Decomposed granite, some small wash, Pyrite.
56	57		9016	1	192.3	0.08	0.22	219.24	27.13	Decomposed granite, Pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin $R_{aaf} = 80\%$
 Drillers reported basement at **54** m. Grade from surface to inferred basement at **54** m m g SnO₂ / m³ *
 Total recovered volume **140.06** g to basement **251.00** l. at **54** m m g SnO₂ / m³ +
 Total recovered tin g SnO₂ at **54** m m g SnO₂ / m³ +

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

line 40w 50N

Wallis Drilling

Area: **Endurance** Hole No: **E.R.C.2** Collar Co-ordinates: mN mE Drilling Method: **Reverse Circulation.**

Surface R.L.: **86.29** m Basement R.L.: **32.29** m Cutting Shoe / Bit diameter: **80mm** Theoretical Volume: **10.1** litres

Date: **30/1/80** Driller: **A. Cameron** Assistant: **T. King** Sample Washer: **S. Moore/B. Shean** Geologist: **T. Neale**

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	9017	5				16.7	16.0	Black topsoil, coarse & fine sand, brown cement. Trace monozite & ilminite.
2	4	9018	3				16.7	16.0	Coarse & fine sand, brown cement, Trace of monozite & ilminite.
4	6	9019	3				16.7	16.0	Coarse & fine sand, white & yellow clay Ilminite & monozite.
6	8	9020	5				16.7	16.0	Coarse & fine sand, heavy drift, brown clay. Trace monozite, ilminite.
8	10	9021	3				16.7	16.0	Coarse & fine sand, heavy drift, brown clay. Trace monozite & ilminite.
10	12	9022	7				16.7	16.0	Coarse and fine sand, heavy drift, brown clay. ilminite & monozite.
12	14	9023	5				16.7	16.0	Coarse & fine sand, white clay, little brown cement, Trace ilminite & monozite.
14	16	9024	7				16.7	16.0	Coarse & fine sand, heavy drift brown clay. Ilminite & monozite.
16	18	9025	7				16.7	16.0	Coarse & fine sand white clay & heavy drift Ilminite & monozite.
18	20	9026	7				16.7	16.0	Coarse & fine sand, organic silt, wood, white clay, pyrite. heavy drift
20	22	9027	7				16.7	16.0	Coarse & fine sand, organic silt white clay, wood. Pyrite.
22	24	9028	6				16.7	16.0	Coarse & fine sand, heavy drift, small wash white clay, Ilminite & monozite.
24	26	9029	13				16.7	16.0	Coarse & fine sand, heavy drift & small wash Ilminite & monozite.
26	28	9030	11				16.7	16.0	Coarse & fine sand, heavy drift, small wash, white clay, ilminite & monozite.
28	30	9031	11				16.7	16.0	Coarse & fine sand, heavy drift, small wash & white clay, very fine trace tin, ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad F = 80%
 Drillers reported basement at **34** m. Grade from surface to inferred basement at **34** m. **23.1** g SnO₂ / m³ *
 Total recovered volume from surface to basement **194** l. at **54** m **17.8** g SnO₂ / m³ +
 Total recovered tin **3.39** g SnO₂ at **54** m

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Wallis Drilling

Area: Endurance Hole No: E.R.C.2 Collar Co-ordinates: mN mE Drilling Method: Reverse Circulation

Surface R.L.: 86.29 m Basement R.L.: 32.29 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 30/1/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: T. Neale

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
30	32	9032	15				16.7	16.0	Coarse & fine sand, heavy drift, small wash & white clay. Very fine trace tin, ilminite, monozite.
32	34	9033	8				16.7	16.0	Coarse & fine sand, white clay, small & med. wash heavy drift. fine trace of tin, ilminite, monozite.
34	36	9034	8				16.7	16.0	Coarse & fine sand, white clay, small & med. wash heavy drift, trace fine tin, ilminite, monozite.
36	38	9035	11		(178L)		16.7	16.0	Coarse & fine sand, white clay, small-med. wash, heavy drift, trace tin, ilminite & monozite.
38	40	9036	6	23 bulked samples			16.7	16.0	Coarse & fine sand, white clay, heavy drift, small trace tin, ilminite, monozite.
40	42	9037	8	230.8	0.90	2.97	16.67	15.97	Coarse & fine sand white clay, heavy drift, small wash. very small trace of v/fine tin, ilmin/monoz.
42	44	9038	11				16.7	16.0	Coarse & fine sand, small-med. wash, white clay, heavy drift, v/small trace tin, ilminite, monozite.
44	46	9039	11				16.7	16.0	Coarse & fine sand, small-med. wash, white clay, very small trace of tin, ilminite, monozite.
46	48	9040	4	155.9	0.15	0.34	83.8	41.5	Coarse & fine sand small-med. wash, white clay. tin, ilminite.
48	50	9041	5	182.4	0.09	0.23	45.2	27.9	Coarse & fine sand, small-med. wash, white clay, small trace tin & ilminite.
50	52	9042	5	152.5	0.10	0.21	43.0	26.7	Coarse & fine sand, small-med. wash. Pyrite.
52	54	9043	2	147.6	0.06	0.14	68.31	16.91	Coarse & fine sand, small wash & granite, white clay, pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factor to recovered tin Rad.F = 80%
 Drillers reported basement at m. 194 Grade from surface to inferred basement at m. 23.1
 Total recovered volume, surface to basement l. at m. 17.8 g SnO₂ / m³ *
 Total recovered tin g SnO₂ at m. 54 g SnO₂ / m³ +

App. 4

Monarch Drilling

62E1 X-50

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: **Monarch** Hole No: **M.P.55** Collar Co-ordinates: mN mE Drilling Method: **Percussion**

Surface R.L.: **48.26** m Basement R.L.: **42.76** m Cutting Shoe / Bit diameter: **16.02 cm** Theoretical Volume: **40.3** litres

Date: **7-3-80** Driller: **G. Selby** Assistant: **W. Medd** Sample Washer: **S. Moore/B. Shean** Geologist: **E. Munro**

Section		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	4115	12.1	145.0	0.13	0.27	8.4	Coarse and fine sand, yellow & white clay. Trace of monozite & ilminite.	
2	4	4116	34.7	150.4	2.99	6.42	185.1	Grey, orange & yellow clay, decomposed granite, c&f sand, small wash. tin, ilminite & monozite.	
4	6	4117	15.7	121.6	0.15	0.26	8.1	C&F sand, granite, ilminite & monozite.	
6	7	4118	6.0	123.4	0.11	0.19	11.8	Decomposed granite- pyrite & monozite.	
7	8	4119	9.7	107.2	0.13	0.20	12.3	Decomposed granite, Pyrite & ilminite.	
AMDEX ASSAY									

(Hole sometimes numbered M.P.59)

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at **5.5** m **78** g SnO₂ / m³ *
 Total recovered volume surface to basement **58.6** l. at **5.5** m **125** g SnO₂ / m³ +
 Total recovered tin **58.6** gSnO₂ at **5.5** m **125** gSnO₂ / m³ *

046166

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: **Monarch** Hole No.: **M.P.56** Collar Co-ordinates: mN mE Drilling Method: **Percussion**

Surface R.L.: **47.34** m Basement R.L.: **44.84** m Cutting Shoe / Bit diameter: **16.02 cm** Theoretical Volume: **40.3** litres

Date: **7-3-80** Driller: **G. Selby** Assistant: **W. Medd** Sample Washer: **S. Moore/B. Shean** Geologist: **R. Munro**

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To									
0	2		4111	25.4*	84.2	0.57	0.69		21.3	C&F sand, white & yellow clay, heavy drift, small wash. Fine tin & monozite.
2	4		4112	17.3*	117.6	4.63	7.78		241.3	C&F sand, small & med. wash, granite. Tin & monozite.
4	5		4113	9.7*	115.5	0.18	0.30		18.4	Decomposed granite, Monozite & ilminite.
5	6		4114	12.1	122.3	0.13	0.23		14.3	Decomposed granite- pyrite.
AMDEX		ASSAY								(Sometimes numbered M.P.58)

*Denotes samples settled to remove all suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at 2.5 m 223 g SnO₂ / m³ *

Total recovered volume, surface to basement 29.7 l. 2.5 m 303 g SnO₂ / m³ +

Total recovered tin 9.0 g SnO₂



DIRECTOR OF MINES REPORT FOR 1979

App 5.

Pioneer Percussion Drilling

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K 123 Collar Co-ordinates: 52000 mN 77594 mE Drilling Method: Percussion

Surface R.L.: 32.1 m Basement R.L.: approx 50.1 m Cutting Shoe / Bit diameter: 16.02 cm Theoretical Volume: 40.3 litres

Date: 7-3-80 Driller: M. Koore Assistant: G. Groves Sample Washer: B. Shean/S. Moore Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	4038	29.0					3.0	Black topsoil, C&F sand, Trace of very fine tin & ilminite.
2	4	4039	24.2					3.0	C&F sand, black mud, ilminite & pyrite.
4	6	4040	26.6					3.0	C&F sand, organic silt, pyrite lumps. Pyrite.
6	8	4041	27.4					3.0	C&F sand, silt. Pyrite.
8	10	4042	23.4					3.0	C&F sand, pyrite.
10	12	4043	41.1	13 grouped samples				3.0	As above.
12	14	4044	26.2	178.11	0.54	1.37		3.0	C&F sand, organic silt. Pyrite.
14	16	4045	29.0					3.0	C&F sand, white clay. Pyrite.
16	18	4046	20.6					3.0	C&F sand, white clay. Pyrite.
18	20	4047	27.3					3.0	C&F sand, white clay heavy drift, Pyrite.
20	22	4048	19.7					3.0	C&F sand, white clay, Pyrite.
22	24	4049	20.9					3.0	As above.
24	26	4050	25.8*					3.0	C&F sand, white clay, heavy drift, small wash-Pyrite.
26	28	4051	39.5	118.33	8.26	13.96		433.1	C&F sand, heavy rift, birds eye wash, white clay. Small amount of tin & pyrite.
28	29	4052	42.3	132.89	23.1	43.05		1050.7	C&F sand, birds eye wash, heavy drift. Tin Pyrite & ilminite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 29.32 m Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement (29) 517.8 l at 32 m 293 g SnO₂ / m³ +
 Total recovered tin 257.47 g SnO₂ at 32 m 497

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K. 122. Collar Co-ordinates: 52000 mN 77500 mE Drilling Method: Percussion.....

Surface R.L. 85.28 m Basement R.L. 50.28 m Cutting Shoe / Bit diameter: 10.02 cm Theoretical Volume: 40.3 litres

Date: 25-2-80 Driller: M. Moore Assistant: G. Groves Sample Washer: S. Moore/B. Shean Geologist: R. Munro.....

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample	
From	To									
0	2	4017	25.0					3 4	Black topsoil, coarse & fine sand, heavy drift. Trace of fine tin, monozite.	
2	4	4018	31.4					3 4	Coarse & fine sand, white & brown clay, heavy drift, v/fine trace tin, monozite	
4	6	4019	24.2					3 4	C&F sand, white & brown clay, heavy drift. Ilminite, Pyrite & monozite.	
6	8	4020	18.1					3 4	C&F sand, organic silt. Pyrite.	
8	10	4021	21.4					3 4	C&F sand, organic silt, heavy drift, Pyrite lumps wood. Pyrite.	
10	12	4022	26.2					3 4	C&F sand, organic silt. Ilminite, monozite & pyrite.	
12	14	4023	21.0					3 4	C&F sand, brown clay, wood. Pyrite & ilminite.	
14	16	4024	18.9	15 grouped samples.					3 4	C&F sand, brown clay Pyrite & ilminite.
16	18	4025	23.4	215.1	0.71	1.25		3 4.0	C&F sand, brown clay, pyrite lumps. Pyrite.	
18	20	4026	21.4					3 4.0	C&F sand, organic silt. wood Pyrite.	
20	22	4027	26.2					3 4.0	C&F sand, white clay Pyrite.	
22	24	4028	19.7					3 4.0	As above.	
24	26	4029	16.9					3 4.0	As above.	
26	28	4030	21.0					3 4.0	C&F sand, brown & white clay - Pyrite.	
28	30	4031	24.2					3 4.0	C&F sand, white clay - Pyrite.	

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 396.7 l. at 35 m 272 (238) g SnO₂ / m³ +
 Total recovered tin 156.05 (136.6) SnO₂ at 35 m 393 (344) g SnO₂ / m³ *

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K 122 Collar Co-ordinates: 52000 mN 77500 mE Drilling Method: Percussion.....

Surface R.L.: 85.28 m Basement R.L.: 50.28 m Cutting Shoe / Bit diameter: 16.02 cm Theoretical Volume: 40.3 litres

Date: 7-3-80 Driller: A. Moore Assistant: G. Groves Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (% Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
30,	33	4032	25.0	117.7	3.21 4.20	5.40 7.06	111 146	C&F sand, white clay, birds eye wash, small amount of tin, ilminite.	
33	34	4033	25.4	153.6	55.6 45.1	122.44 98.96	7596 6138	C&F sand, birds eye wash, granite. Large amount of tin, ilminite.	
34	35	4034	7.3	136.8	8.21 8.97*	16.04 17.53	915 1087	Granite & small wash. Tin - ilminite.	
35	36	4035	19.7*	156.2	3.06 3.44	6.83 7.68	347 390	Granite- small amount of tin.	
36	37	4036	20.6	153.6	0.99 0.98	2.17 2.15	105 104	Granite - Trace of tin & ilminite.	
37	39	4037	29.8*	164.1	0.82 0.55	1.92 1.29	65 43	Granite - Pyrite & monozite.	

*Denotes samples settled to remove all suspended silt and clay prior to measuring the recovered volume.

Granite first recorded in the 33-34 m interval, however this only persisted for some 50 cm. last

alluvial sediments recorded close to 35 m.

AMDEX ASSAY. = top figure A.L.S. assay - lower figure. in brackets.

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at m
 Total recovered volume, surface to basement 396.7 l. at 35 m 272 (238) g SnO₂ / m³ *
 Total recovered tin 156.05 (144) g SnO₂ at 35 m 393 (344) g SnO₂ / m³ *

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K121 Collar Co-ordinates: 52200 mN 77104 mE Drilling Method: Percussion

Surface R.L.: 95.38 m Basement R.L.: 49.38 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 7/2/60 Driller: N. Moore Assistant: G. Groves Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From 0	To 2	7688	21.4				7.2	5.2	C & F. sand, yellow & white clay. Trace of very fine Tin, ilminite.
2	4	7689	18.1				7.2	5.2	C.F. sand, white clay, Ilminite & monozite.
4	6	7690	13.3				7.2	5.2	C. & F. sand, white silty clay. Trace of monozite & ilminite.
6	8	7691	15.3				7.2	5.2	white clay. No trace of any mineral.
8	10	7692	16.9				7.2	5.2	C.F. sand, heavy drift & white sandy clay. Trace of tin, ilminite, monozite.
10	12	7693	33.0				7.2	5.2	C.F. sand, white & brown clay. ilminite & monozite.
12	14	7694	31.8				7.2	5.2	C.F. sand, brown silt. v/fine trace of tin, ilminite & monozite.
14	16	7695	29.8				7.2	5.2	C.&F. sand, organic silt, heavy drift. Ilminite & monozite.
16	18	7696	20.9	21 grouped samples			7.2	5.2	C.&F. sand, organic silt & brown clay. Pyrite, monozite, ilminite.
18	20	7697	25.4	171.6	1.45	3.55	7.2	5.2	C.&F. sand, brown clay Pyrite & monozite.
20	22	7698	19.3				7.2	5.2	C.&F. sand, organic silt, wood. Pyrite.
22	24	7699	33.4				7.2	5.2	C.&F. sand, heavy drift. Pyrite & monozite.
24	26	7700	41.5				7.2	5.2	C.&F. sand, heavy drift, white & brown clay. Pyrite.
26	28	74001	31.8				7.2	5.2	C.&F. sand, heavy drift, white sandy clay. monozite, Pyrite & ilminite.
28	30	4002	15.7				7.2	5.2	C.&F. sand, Ilminite & monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 46 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 509.8 l. at 46 m 28.8 g SnO₂ / m³ +
 Total recovered tin 17.22 g SnO₂ at 46 m 34.4

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K121 Collar Co-ordinates: 52200 mN 77104 mE Drilling Method: Percussion

Surface R.L.: 95.38 m Basement R.L.: 49.38 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 13/2/80 Driller: N. Moore Assistant: G. Groves Sample Washer: S. Moore Geologist: R. Munro

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
30	32	4003	24.9				7.2	5.2	C.&F. sand, heavy drift, white clay. Ilminite & monozite.
32	34	4004	29.4				7.2	5.2	C.&F. sand, white clay. Ilminite & monozite.
34	36	4005	10.5				7.2	5.2	Fine sand, Ilminite & monozite.
36	38	4006	24.6				7.2	5.2	C.&F. sand, heavy drift, Ilminite & monozite.
38	40	4007	15.3				7.2	5.2	C.&F. sand, Ilminite & monozite.
40	42	4008	16.1				7.2	5.2	C.&F. sand, Ilminite, monozite.
42	44	4009	11.3*	134.7	1.09	2.09	185.6	65.1	C.&F. sand, white clay, small amount of tin, ilminite & monozite.
44	46	4010	10.1*	139.7	3.28	6.54	648.1	203.3	C.&F. sand, white clay. Tin, ilminite & monozite.
46	47	4011	8.1*	159.9	0.85	1.94	279.7	170.6	C.&F. sand, granite. Trace of tin & pyrite.
47	48	4012	8.1*	195.0	0.42	1.17	144.9	72.8	Decomposed granite. Very fine trace of tin, ilminite.
48	49	4013	15.7*	116.4	0.49	0.33	52.7	51.5	Decomposed granite, Pyrite.
49	50	4014	18.5*	127.9	0.26	0.48	25.7	25.7	Decomposed granite, Pyrite.
50	51	4015	13.7*	169.0	0.16	0.39	28.1	23.9	Decomposed granite, Pyrite.
51	52	4016	8.1*	133.0	0.28	0.53	65.7	33.0	Decomposed granite, Pyrite.

* Denotes samples settled by removing all suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F=80%
 Drillers reported basement at 46 m Grade from surface to inferred basement at 46 m g SnO₂ / m³ *
 Total recovered volume, surface to basement 509.8 l at 46 m 20.3 g SnO₂ / m³ +
 Total recovered tin 17.52 g SnO₂ at 46 m 34.4 g SnO₂ / m³ +

AMDEX ASSAY. A REDRILL OF K103.

Dwg. no.: P 136 / 64

046175

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K120 Collar Co-ordinates: 52900 mN 77400 mE Drilling Method: Percussion

Surface R.L.: 93.80 m Basement R.L. 46.9 m Cutting Shoe / Bit diameter: 17.78 Theoretical Volume: 49.66 litres

Date: 11/1/80 Driller: M. Moore Assistant: B. Shean Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From 0	To 2	7662	33.3				54.5	39.7	Black top soil, coarse and fine sand. Fine tin, monozite,
2	4	7663	30.3				54.5	39.7	Coarse and fine sand, yellow sandy clay. Trace of fine tin, ilminite., monozite,
4	6	7664	14.4				54.5	39.7	White clay, coarse and fine sand. Trace of ilminite.
6	8	7665	15.4				54.5	39.7	As above.
8	10	7666	16.4				54.5	39.7	Coarse and fine sand, white and yellow clay. Trace of ilminite.
10	12	7667	27.8				54.5	39.7	Coarse and fine sand, Large drift. Ilminite, monozite,
12	14	7668	35.8				54.5	39.7	As above with white clay.
14	16	7669	30.3				54.5	39.7	Coarse and fine tin, a little fine clay. Ilminite, monozite.
16	18	7670	42.7				54.5	39.7	Coarse and fine sand, large drift, white clay. Ilminite, monozite.
18	20	7671	23.8		13		54.5	39.7	Coarse and fine sand, drift. Ilminite, monozite, trace of fine tin.
20	22	7672	42.2		grouped		54.5	39.7	Coarse and fine sand, drift, little white clay. Fine tin and ilminite.
22	24	7673	30.8		samples		54.5	39.7	Coarse and fine sand, drift, minor small wash minor white clay, trace of fine tin, ilminite, monozite
24	26	7674	23.8	150.5	13.19	28.4	54.5	39.7	As above, coarser drift.
26	28	7675	25.8				54.5	39.7	As above, coarser drift.
28	30	7676	30.0				54.5	39.7	Coarse and fine sand, large drift, small wash minor white clay, fine tin ilminite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 46.90 m. Grade from surface to inferred basement at 46.9 m 88.9 g SnO₂/m³ *
 Total recovered volume, surface to basement 622 l. at 46.9 m 63.4 g SnO₂/m³ +
 Total recovered tin 59.1 g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No. K120..... Collar Co-ordinates: 52900..... mN 77400..... mE Drilling Method: Percussion.....

Surface R.L.: 93.80..... m Basement R.L.: 46.9..... m Cutting Shoe / Bit diameter: 17.78..... Theoretical Volume: 49.66..... litres

Date: 11/1/80..... Driller: N. Moore..... Assistant: B. Shean..... Sample Washer: S. Moore/B. Shean..... Geologist: R. Munro.....

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To									
30	32		7677	28.8				54.5	39.7	Coarse and fine sand, large drift, small wash, white clay, Tin, ilminite, monozite.
32	34		7678	35.8				54.5	39.7	Coarse and fine sand, heavy drift, white clay, small trace of tin, ilminite, monozite.
34	36		7679	28.8				54.5	39.7	As above, finer drift.
36	38		7680	45.7	93.2	6.91	9.2	201	231	Coarse and fine sand, brown clay, small amount of flat wash, drift, Tin, monozite, ilminite.
38	40		7681	22.8	95.0	4.53	6.2	269	155	Coarse and fine sand, medium and small wash. Tin, ilminite.
40	42		7682	24.8	97.0	2.52	3.5	140	88	As above with brown clay.
42	44		7683	12.4	101.2	0.79	1.14	92	29	Coarse and fine sand, yellow and brown clay. large and medium wash, tin ilminite.
44	46		7684	28.8	92.1	2.48	3.26	113	82	Coarse and fine sand brown clay, large, medium and small wash. tin, ilminite.
46	48		7685	25.8	141.9	2.71	5.5	213	138	Coarse and fine sand, large medium and small wash, granite, tin, ilminite.
48	50		7686	27.3	130.0	0.70	1.3	48	33	Decomposed granite, tin, ilminite.
50	52		7687	21.9	135.6	0.32	0.6	28	16	Decomposed granite, trace tin, Pyrite, ilminite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 46.90 m. Grade from surface to inferred basement at 46.9 m 88.9 g SnO₂/m³ *
 Total recovered volume, surface to basement 622 l. at 46.9 m 63.4 g SnO₂/m³ +
 Total recovered tin 59.1 g SnO₂

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

5200mN

77400mE

95.83m

49.83m

AREA : Pioneer

HOLE NO. : K 119

COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 30/11/79 Driller A. Summers Assistant M. Moore Sample Washer S. Moore Geologist: R. Munro Cutting shoe diameter: 17.78cm
 12/12/79 Theoretical Volume 0.0495 m³ B. Shean Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
			X100	80% Rad.	F.				
0	2	7633	0.81	0.040	37.70	0.81	11	0.018	Coarse & fine sand, large drift, trace of very fine tin, ilmenite, monazite.
2	4	7634	0.41	0.040	38.50	0.25	3	0.006	Coarse & fine sand, white & yellow clay, ilmenite, monazite.
4	6	7635	0.32	0.040	72.28	0.10	3	0.004	As above.
6	8	7636	0.81	0.040	39.88	4.40	63	0.106	Coarse & fine sand, white clay, tin, ilmenite.
8	10	7637	0.74	0.040	58.00	1.00	21	0.035	Coarse & fine sand, tin, ilmenite, monazite.
10	12	7638	0.55	0.040	71.72	0.35	9	0.015	Coarse & fine sand, white clay, trace of tin, ilmenite, monazite.
12	14	7639	0.49	0.040	75.80	0.15	4	0.007	Coarse & fine sand, white clay, ilmenite, monazite.
14	16	7640	0.37*	0.040	99.90	0.09	3	0.005	Coarse & fine sand, organic silt, ilmenite, pyrite.
16	18	7641	0.47*	0.040	54.40	0.25	5	0.008	Coarse & fine sand, white clay, organic silt, pyrite, ilmenite.
18	20	7642	0.61	0.040	64.50	0.49	11	0.019	Coarse & fine sand, white clay, ilmenite, monazite, pyrite.
20	22	7643	0.54	0.040	58.40	0.11	2	0.004	Coarse & fine sand, organic silt, ilmenite, pyrite.
22	24	7644	0.49	0.040	56.60	0.08	2	0.003	As above, no ilmenite.
24	26	7645	0.51	0.040	76.80	0.05	1	0.002	As above.
26	28	7646	0.52	0.040	60.75	0.07	2	0.003	As above, with white clay.
28	30	7647	0.39	0.040	61.20	0.03	1	0.001	As above.

Drillers reported basement at 46 m.

Overall value from surface to 48 m. 264 kg SnO₂/m³

Interval of tin bearing wash m.

0.445 lbs SnO₂/yd³

Grade - method 2 285 g SnO₂/m³

046178

(cassiterite 70% Sn)

AREA : HOLE NO. : COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:
 Theoretical Volume: m³ Casing diameter:

Section	Metres	Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
							SnO ₂ ug/m	SnO ₂ lbs/yd ³	
From	To		X100	80% Rad.	F.				
30	32	7648	0.48	0.040	85.80	0.03	1	0.002	Coarse & fine sand, organic silt, pyrite.
32	34	7649	0.57	0.040	60.20	0.04	1	0.001	As above.
34	36	7650	0.47	0.040	62.60	0.02	0	0.001	As above.
36	38	7651	0.41	0.040	81.05	0.00	0	0.000	As above.
38	40	7652	0.41	0.040	71.00	0.07	2	0.003	As above.
40	42	7653	0.37	0.040	91.09	0.08	3	0.004	As above, with white clay.
42	44	7654	0.54	0.040	91.20	3.20	104	0.176	Coarse & fine sand, white clay, tin, granite?, birds eye wash, pyrite.
44	45	7655	0.23	0.020	44.05	35.90	1130	1.905	Coarse & fine sand, birds eye wash, white clay, granite bolder, tin, ilmenite, monazite.
45	46	7656	0.35	0.020	262.40	39.10	7328	12.358	Coarse & fine sand, birds eye wash, white clay, a little small wash, granite, large amount of tin.
46	47	7657	0.26	0.020	116.55	39.20	3263	5.503	Coarse & fine sand, birds eye wash, decomposed granite, tin, ilmenite.
47	48	7658	0.12	0.020	18.60	32.20	428	0.721	Coarse & fine sand, decomposed granite, tin, ilmenite.
48	49	7659	0.18*	0.020	5.55	28.80	114	0.193	Decomposed granite, trace of tin, ilmenite.

* Denotes sample settled by removing all suspended silt and clay prior to measuring the recovered volume.

Drillers reported basement at 46 m. Overall value from surface to 48 m. 264 ug SnO₂/m³
 Interval of tin bearing wash m. 0.445 lbs SnO₂/yd³
 Grade method 2 285 g SnO₂/m³ **046179** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52000mN

77200mE

94.59m

51.59m

AREA : PIONEER HOLE NO. : K 118 COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 14/11/79 Driller: A. Summers Assistant: M. Moore Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 17.78cm
 28/11/79 Theoretical Volume: 0.0459 m³ B. Shean Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
0	2	7607	0.70	0.040	68.57	0.53	13	0.022	Coarse & fine sand, topsoil, white clay, trace of fine tin, ilmenite.
2	4	7608	0.52	0.040	56.85	0.091	2	0.003	Coarse & fine sand, white & yellow clay, ilmenite, monazite.
4	6	7609	0.35	0.040	63.68	0.24	5	0.009	As above, no yellow clay,
6	8	7610	0.61	0.040	74.02	2.06	54	0.092	Coarse & fine sand, brown, white clay, fine tin, ilmenite.
8	10	7611	0.65	0.040	76.22	0.93	25	0.043	Coarse & fine sand, white clay, fine tin, ilmenite.
10	12	7612	0.74	0.040	74.76	0.42	11	0.019	Coarse & fine sand, large drift, trace of fine tin, ilmenite, monazite.
12	14	7613	0.65	0.040	80.05	0.21	6	0.010	Coarse & fine sand, white clay, ilmenite, monazite.
14	16	7614	0.66	0.040	67.84	0.36	9	0.015	Coarse & fine sand, large drift, ilmenite, monazite.
16	18	7615	0.58	0.040	64.16	0.15	3	0.006	Coarse & fine sand, organic borwn silt, pyrite, monazite, ilmenite.
18	20	7616	0.42	0.040	58.92	0.0715	2	0.003	Coarse & fine sand, brown organic silt, pyrite.
20	22	7617	0.44	0.040	64.88	0.0465	1	0.002	Coarse & fine sand, white clay, brown organic silt, pyrite.
22	24	7618	0.90	0.040	68.40	0.20	5	0.008	Coarse & fine sand, white clay, pyrite.
24	26	7619	0.66	0.040	75.12	0.12	3	0.005	Coarse & fine sand, white clay, ilmenite, monazite.
26	28	7620	0.49	0.040	48.89	0.10	2	0.003	As above.

Drillers reported basement at 43 m.

Overall value from surface to 46 m. 22 kg SnO₂/m³

Interval of tin bearing wash m.

046180

0.036 lbs SnO₂/yd³

Grade - new method 24 g SnO₂/m³

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA : HOLE NO. : COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:
 Theoretical Volume: m³ Casing diameter:

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
28	30	7621	0.54	0.040	64.21	0.15	3	0.006	Coarse & fine sand, white clay, ilmenite, monazite.
30	32	7622	0.66	0.040	84.31	0.12	4	0.006	As above.
32	34	7623	0.62	0.040	79.03	0.063	2	0.003	As above.
34	36	7624	0.47	0.040	69.61	0.0495	1	0.002	Coarse & fine sand, ilmenite.
36	38	7625	0.38	0.040	64.14	0.013	0	0.001	Coarse & fine sand, white clay, ilmenite.
38	40	7626	0.66	0.040	69.62	2.55	63	0.107	Coarse & fine sand, white clay, a little birds eye wash, wood, tin, ilmenite, pyrite.
40	42	7627	0.72*	0.040	50.94	5.93	107	0.182	Coarse & fine sand, rare birds eye wash, white clay, tin, ilmenite.
42	44	7628	0.55*	0.040	38.49	10.6	146	0.246	Coarse & fine sand, rare birds eye wash, granite, tin, ilmenite, pyrite.
44	45	7629	0.15*	0.020	62.96	0.56	25	0.042	Decomposed granite, trace of tin, pyrite.
45	46	7630	0.40	0.020	76.67	0.42	23	0.039	As above.
46	47	7631	0.31*	0.020	2 combined samples		15	0.026	Decomposed granite, pyrite.
47	48	7632	0.44*	0.020	76.69	0.28	15	0.026	As above.

* Denotes sample settled by removing suspended silt and clay particles prior to measuring the recovered volume.

Drillers reported basement at 43 m. Overall value from surface to 46 m. 22 kg SnO₂/m³

Interval of tin bearing wash m. 046181 0.036 lbs SnO₂/yd³

Grade - new method 24 g SnO₂/m³ (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52200mN/77500mE

91.80

55.39

AREA: Pioneer HOLE NO.: K117 COLLAR COORDINATES:

SURFACE R.L.:

BASEMENT R.L.:

Date: 2/11/79 Driller: A Summer Assistant: M Moore Sample Washer: B Shean Geologist: R Munro Cutting shoe diameter: 17.78 cm
 to 14/11/79 Theoretical Volume: 0.0495m³ S Moore Casing diameter: 16.83 cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% RadF					
0	2	7184	0.58	0.040	)		26	0.044	Coarse and fine sand. Trace of fine tin and ilmenite.
2	4	7185	0.50	0.040	)		26	0.044	Coarse and fine sand, white sandy clay. Trace of tin and ilmenite.
4	6	7186	0.75	0.040	) 6 grouped samples		26	0.044	Coarse and fine sand, brown clay. Trace of fine tin, ilmenite, pyrite.
6	8	7187	0.85	0.040	) 34.00	12.9	26	0.044	Coarse and fine sand, large drifts, brown clay. Traces of fine tin, ilmenite.
8	10	7188		0.040	)		26	0.044	As above
10	12	7189	0.64	0.040	)		26	0.044	Coarse and fine sand, brown organic silt. Fine tin, ilmenite
12	14	7190	0.61*	0.040	) 12.29	17.1	75	0.127	Coarse and fine sand, large drift. Fine tin, ilmenite.
14	16	7191	0.66	0.040	)		10	0.016	As above with brown organic silt.
16	18	7192	0.65	0.040	)		10	0.016	Coarse and fine sand, large drift. Organic silt. Fine tin and ilmenite.
							10	0.016	Pyrite nuggets.
18	20	7193	0.38	0.040	) 10 grouped		10	0.016	Coarse and fine sand, organic silt. Ilmenite and pyrite.
20	22	7194	0.33	0.040	) samples		10	0.016	As above

Drillers reported basement at 36.50 m.

Overall value from surface to 42 m. 63 gSnO₂/m³

Interval of tin bearing wash 5 m.
 Grade - New method 73g/m³ SnO₂

046182

0.107 lbsSnO₂/yd³

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA: HOLE NO.: COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: Driller: Assistant: Sample Washer: Geologist: Cutting shoe diameter:
 Theoretical Volume: m³ Casing diameter:

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m	SnO ₂ lbs/yd ³	
22	24	7195	X100 0.50	80%Rad. 0.040	48.18	5.77	10	0.016	Coarse and fine sand, white and brown clay. Pyrite.
24	26	7196	0.26*	0.040	)		10	0.016	Coarse and fine sand, white clay. Pyrite, ilmenite.
26	28	7197	0.51	0.040	)		10	0.016	As above
28	30	7198	0.34*	0.040	)		10	0.016	Coarse and fine sand, white clay. Ilmenite, monazite.
30	32	7199	0.40*	0.040	)		10	0.016	As above
32	34	7200	0.51*	0.040			10	0.016	As above
34	36	7601	0.69*	0.040	64.64	12.2	282	0.475	Coarse and fine sand, birds eye wash, large drift, white clay. Tin, ilmenite.
36	38	7602	0.51*	0.040	62.01	22.1	489	0.825	Coarse and fine sand, birds eye wash, granite. Tin, ilmenite.
38	39	7603	0.22*	0.020	15.00	7.4	79	0.134	Coarse and fine sand, granite Small amount of birds eye wash. Trace of tin, ilmenite.
39	40	7604	0.42*	0.020	28.85	7.05	145	0.245	As above
40	41	7605	0.44*	0.020	8.07	19.7	114	0.191	As above
* Denotes sample settled by removing all suspended silt and clay prior to measuring the recovered volume.									

Drillers reported basement at ----- m. Overall value from surface to ----- m. ----- kg SnO₂/m³
 Interval of tin bearing wash ----- m. ----- lbs SnO₂/yd³

046183 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52000mN 77200mE

99.23m

53.33m

AREA: PIONEERHOLE NO.: K116 COLLAR COORDINATES:

SURFACE R.L.:

BASEMENT R.L.:

Date: 17/10/1951 Driller: M. Kerrison Assistant: J. Groves Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 Theoretical Volume: 0.040m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ :g/m	SnO ₂ lbs/yd ³		
0	2	X100 7215	80% Rad.F. 0.84	0.032	3.86	13.40	23	0.039	Black top soil, coarse & fine sand, fine tin, monazite, ilmenite.	
2	4	7216	0.60	0.032	10.22	9.27	42	0.071	Coarse & fine sand, large drift fine tin, ilmenite, monazite.	
4	6	7217	0.75	0.032	)		10	0.017	Coarse & fine sand, trace of fine tin, ilmenite, monazite.
6	8	7218	0.50*	0.032			10	0.017	Coarse & fine sand, white clay, ilmenite, monazite.	
8	10	7219	0.63	0.032	)		10	0.017	As above.
10	12	7220	0.52*	0.032	)		10	0.017	Coarse & fine sand, ilmenite monazite.
12	14	7221	0.60*	0.032	)		10	0.017	As above with white clay.
14	16	7222	0.68	0.032	)		10	0.017	As above (10 -12).
16	18	7223	0.60	0.032	)		10	0.017	As above.
18	20	7224	0.58	0.032	)	19 grouped samples	10	0.017	Coarse & fine sand, brown clay, ilmenite, pyrite.
20	22	7225	0.52	0.032)	139.26	3.06	10	0.017	As above.
22	24	7226	0.35	0.032	)		10	0.017	As above.
24	26	7227	0.58	0.032	)		10	0.017	Coarse & fine sand, pyrite, ilmenite, monazite.
26	28	7228	0.72	0.032	)		10	0.017	Coarse & fine sand, white clay, ilmenite, pyrite, monazite.
28	30	7229	0.47	0.032	)		10	0.017	As above.

Drillers reported basement at 45.80 m. Overall value from surface to 48 m. 67 gSnO₂/m³

Interval of tin bearing wash 42-45.80 m. 721 g SnO₂/m³ 0.112 lbsSnO₂/yd³

Grade (new method) 71 g SnO₂/m³

046185 (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

5200mN 77200ME

99.23m

53.33m

AREA : PIONEER HOLE NO. : K116

COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 17/10/79 Driller: M. Kerrison Assistant: J. Groves Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 24/10/79 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad.	F.				
30	32	7230	0.66	0.032	)		10	0.017	Coarse & fine sand, white clay, pyrite & pyrite modules.
32	34	7231	0.37	0.032	)		10	0.017	Coarse & fine sand, white clay, pyrite.
34	36	7232	0.75	0.032	)		10	0.017	As above.
36	38	7233	0.42	0.032	)		10	0.017	As above.
38	40	7234	0.40	0.032	)		10	0.017	As above with ilmenite.
40	42	7235	0.39*	0.032	)		10	0.017	Coarse & fine sand, white clay, monazite, ilmenite.
42	44	7236	0.62	0.032	15.64	28.1	196	0.331	Coarse & fine sand, a little birds eye wash, tin, ilmenite, monazite.
44	46	7237	0.81	0.032	45.11	45.3	912	1.538	Coarse & fine sand, birds eye wash, granite, tin, ilmenite.
46	47	7238	0.23	0.016	15.71	47.6	334	0.563	Decomposed granite, tin, ilmenite.
47	48	7239	0.21	0.016	3.72	42.2	140	0.236	As above, less tin.
48	49	7240	0.23	0.016	2.64	21.4	50	0.085	As above, a little tin.
49	50	7241	0.39	0.016	2.43	o			Decomposed granite, pyrite, ilmenite.
					o = Sample	destroyed by ash.			

* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.

Drillers reported basement at 45.80 m. Overall value from surface to 48 m. 67 gSnO₂/m³
 Interval of tin bearing wash 42-45.80 m. 721 g SnO₂/m³ 0.112 lbsSnO₂/yd³
 Grade (new method) 71 g SnO₂/m³ **046186** (cassiterite 70% Sn)

AMDEX MINING LIMITED PERCUSSION DRILL LOG

AREA: PIONEER HOLE NO.: K115 COLLAR COORDINATES: 52200mN 77300mE 77300mE SURFACE R.L.: 94.80m BASEMENT R.L.: 50.30m

Date: 16/10/79 Driller: G.Selby Assistant: M.Terry Sample Washer: B.Shean Geologist: R.Munro Cutting shoe diameter: 17.78cm
 24.10/79 Theoretical Volume: 0.0497 m³ Casing diameter: 16.83cm

Section	Metres	Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
							SnO ₂ g/m	SnO ₂ lbs/yd ³	
From	To	X100	80% Rad.F.						
0	2	3074	0.63*	0.040	2 grouped samples		14	0.024	Top soil, coarse & fine sand, trace of very fine tin, ilmenite.
2	4	3075	0.64	0.040	4.22	18.6	14	0.024	Coarse & fine sand, little white silt, fine tin, ilmenite.
4	6	3076	0.65	0.040			6	0.011	White clay, coarse & fine sand, ilmenite, monazite.
6	8	3077	0.68	0.040			6	0.011	Coarse & fine sand, ilmenite, monazite.
8	10	3078	0.60	0.040			6	0.011	White clay, little coarse & fine sand, ilmenite, monazite.
10	12	3079	0.26*	0.040			6	0.011	Coarse & fine sand, white clay, monazite, ilmenite.
12	14	3080	0.44*	0.040			6	0.011	Coarse & fine sand, large dirt, hard brown clay, monazite, ilmenite.
14	16	3081	0.58*	0.040			6	0.011	White clay, drift, coarse & fine sand, monazite, ilmenite.
16	18	3082	0.73	0.040			6	0.011	Coarse & fine sand, large amount white clay, brown organic silt, ilmenite, monazite, pyrite lumps.
					16 grouped samples				
18	20	3083	0.41	0.040			6	0.011	Coarse & fine sand, brown organic silt, pyrite, ilmenite, monazite.
20	22	3084	0.87	0.040	47.08	6.09	6	0.011	Coarse & fine sand, white clay, ilmenite, pyrite.
22	24	3085	0.64	0.040			6	0.011	Coarse & fine sand, brown clay, pyrite.
24	26	3086	0.49	0.040			6	0.011	As above.
26	28	3087	0.39	0.040			6	0.011	As above with wood.

Drillers reported basement at 44.50 m. Overall value from surface to 47 m. 190 gSnO₂/m³
 Interval of tin bearing wash 38-44.5 m. 1369 g SnO₂/m³ 0.321 lbsSnO₂/yd³
 Grade (new method) 207 g SnO₂/m³ **046187** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52200mN 77300mE 94.80m 50.30m

AREA : PIONEER HOLE NO. : K115 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 16/10/79 Driller G. Selby Assistant: M. Terry Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 17.78cm
 24/10/79 Theoretical Volume: 0.0497 m³ Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³		
			X100	80% Rad. F.						
28	30	3088	0.50	0.040	)		6	0.011	Coarse & fine sand, large drift, wood, pyrite.	
30	32	3089	0.59	0.040	)		6	0.011	Coarse & fine sand, white clay, ilmenite, monazite.	
32	34	3090	0.34*	0.040	)		6	0.011	Brown clay, coarse & fine sand, ilmenite, monazite.	
34	36	3091	0.27*	0.040	)		6	0.011	As above.	
36	38	3092	0.50*	0.040	)	2.71	27.3	26	0.045	Coarse & fine sand, white clay, large drift, small wash, ilmenite, monazite.
38	40	3093	0.73	0.040	)	14.76	33.4	176	0.297	Coarse & fine sand, large drift, small & medium wash, tin, ilmenite, monazite.
40	42	3094	0.98	0.040	)	101.20	63.6	2299	3.876	Coarse & fine sand, birds eye wash, medium wash, white clay, large amount of tin, ilmenite, monazite.
42	44	3095	0.75	0.040	)	67.99	52.9	1285	2.166	Coarse & fine sand, white clay, birds eye wash, large amount of tin, ilmenite.
44	45	3096	0.24	0.020	)	15.07	47.6	512	0.864	Coarse & fine sand, birds eye wash, decomposed granite, tin, ilmenite.
45	46	3097	0.11	0.020	)	4.42	50.6	160	0.269	Decomposed granite, tin, pyrite.
46	47	3098	0.22	0.020	)	12.36	49.9	441	0.743	As above.

Drillers reported basement at 44.50 m. Overall value from surface to 42 m. 120 gSnO₂/m³
 Interval of tin bearing wash 38-44.5 m. 1369 g SnO₂/m³ 0.321 lbsSnO₂/yd³
 Grade (new method) 207 g SnO₂/m³ **046188** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52200mN 77300mE 94.80m 50.30m

AREA PIONEER HOLE NO.: K115 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 16/10/69 Driller: G. Selby Assistant: M. Terry Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 17.78cm
 24/10/79 Theoretical Volume: 0.0497 m³ Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			100	80% Rad. F.					
46	47	3098	0.22	0.020	12.36	49.9	441	0.743	Decomposed granite, tin, pyrite.
47	48	3099	0.26	0.020	6.00	43.9	188	0.317	As above.
48	50	3100	0.23	0.040	5.89	18.0	38	0.064	As above, less tin.
* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.									

Drillers reported basement at 44.50 m. Overall value from surface to 47 m. 190 gSnO₂/m³.
 Interval of tin bearing wash 38-44.5 m. 1369 g SnO₂/m³ 0.321 lbsSnO₂/yd³
 Grade (new method) 207 g SnO₂/m³ **046189** (cassiterite 70% Sn)

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52100mN 77200mE 97.46m 50.56m

AREA: PIONEER HOLE NO.: K114 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 6/10/79 Driller: A. Summers Assistant: M. Moore Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 13.7cm
 15/10/79 Theoretical Volume: 0.0295 m³ Casing diameter: 12.6cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
0	2	7159	0.97	0.023	2 grouped samples		96	0.161	Top soil, coarse & fine sand, drift, fine tin, ilmenite.
2	4	7159	0.70	0.023	7.43	41.5	96	0.161	Coarse & fine sand, minor brown cement, trace of fine tin, ilmenite.
4	6	7160	0.80	0.023			11	0.019	Coarse & fine sand, white & orange clay, pyrite, monazite, ilmenite.
6	8	7161	0.48	0.023			11	0.019	Coarse & fine sand, monazite, ilmenite, pyrite.
8	10	7162	0.77	0.023			11	0.019	As above no pyrite.
10	12	7163	0.55	0.023			11	0.019	Coarse & fine sand, brown clay, drift, ilmenite, monazite.
12	14	7164	0.41	0.023			11	0.019	Coarse & fine sand, ilmenite, monazite.
14	16	7165	1.24	0.029			11	0.019	Coarse & fine sand, large drift, minor brown clay, monazite, ilmenite.
16	18	7166	0.53	0.023			11	0.019	Coarse & fine sand, ilmenite, monazite.
18	20	7167	0.55	0.023	17 grouped samples		11	0.019	Coarse & fine sand, large amount organic silt, ilmenite, monazite.
20	22	7168	0.59	0.023	95.63	3.23	11	0.019	Organic silt, fine sand, pyrite.
22	24	7169	0.69	0.023			11	0.019	Organic silt, fine & coarse sand, pyrite.
24	26	7170	0.71	0.023			11	0.019	Organic silt, fine & coarse sand, pyrite.
26	28	7171	0.79	0.023			11	0.019	Organic silt, fine & coarse sand, lumps of pyrite, abundant finer pyrite.

Drillers reported basement at 46.90 m. Overall value from surface to 50 m. 0.133 gSnO₂/m³
 Interval of tin bearing wash 38-46.90 m. 662 g SnO₂/m³ 0.224 lbsSnO₂/yd³
046190

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52100mN 77200mE

97.46m

50.56m

AREA : PIONEER HOLE NO. : K114 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 6/10/79 Driller A. Summers Assistant: M. Moore Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 13.7cm
 15/10/79 Theoretical Volume: 0.0295 m³ Casing diameter: 12.6cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
28	30	7172	0.66	0.023	)		11	0.019	Coarse & fine sand, large amount of white clay and organic silt, pyrite.
30	32	7173	0.68	0.023	)		11	0.019	White clay, organic brown silt, coarse & fine sand, pyrite.
32	24	7174	0.41	0.023	)		11	0.019	Coarse & fine sand, white clay, pyrite.
34	36	7175	0.43	0.023	)		11	0.019	White clay, coarse & fine sand, pyrite, ilmenite.
36	38	7176	0.72	0.023	)		11	0.019	As above.
38	40	7177	0.42	0.023	4.87	25.3	77	0.129	As above, trace of tin,
40	42	7178	0.64	0.023	8.31	31.5	163	0.274	Coarse & fine sand, birds eye wash, large drift, tin, ilmenite, monazite.
42	44	7179	1.17	0.027	53.41	46.1	1303	2.197	Coarse & fine sand, birds eye wash, large drift, a little white clay, tin, ilmenite.
44	46	7180	0.66	0.023	20.69	47.4	609	1.027	As above.
46	48	7181	0.74	0.023	15.36	50.2	479	0.808	Coarse & fine sand, birds eye wash, yellow & white clay, decomposed granite, tin, ilmenite.
48	50	7182	0.87*	0.023	12.10	41.4	311	0.525	Decomposed granite, pyrite lumps, pyrite, ilmenite, monazite.
50	52	7183	0.57*	0.023	2.63	1.87	3	0.005	As above.

Drillers reported basement at 46.90 m. Overall value from surface to 50 m. 0.133 gSnO₂/m³

Interval of tin bearing wash 38-46.90 m. 662 g SnO₂/m³ 0.224 lbsSnO₂/yd³

* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume. (cassiterite 70% Sn)

Grace (new method) 142 g SnO₂/m³

046191

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52100mN 77300mE 97.12m 48.12m

AREA : PIONEER HOLE NO. : K113 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 3/10/79 Driller: M. Kerrison Assistant: J. Groves Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 16.02cm
 10/10/70 Theoretical Volume: 0.040 m³ Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³		
			X100	80% Rad. F.						
0	2	7087	1.39	0.045	6.91	39.6	87	0.146	Coarse & fine sand, top soil, large drift, little small wash, tin, ilmenite.	
2	4	7088	0.52	0.032	} 19 grouped samples		6	0.011	white clay, coarse & fine sand, trace of tin, ilmenite.	
4	6	7089	0.50*	0.032		6	0.011	Coarse & fine sand, white clay, monazite, ilmenite.		
6	8	7090	0.82	0.032		6	0.011	As above, no white clay.		
8	10	7091	0.63	0.032		6	0.011	As above.		
10	12	7092	0.49	0.032		6	0.011	Coarse & fine sand, brown clay, monazite, ilmenite.		
12	14	7093	0.69	0.032		6	0.011	As above, no brown clay,		
14	16	7094	0.63	0.032		6	0.011	As above, no brown clay,.		
16	18	7095	0.74	0.032		6	0.011	As above.		
18	20	7096	0.69	0.032		101.88	2.63	6	0.011	Coarse & fine sand, brown organic silt, pyrite lumps, wood.
20	22	7097	0.79	0.032		6	0.011	6	0.011	Coarse & fine sand, organic silt, rare small wash, drift, pyrite.
22	24	7098	0.68	0.032		6	0.011	6	0.011	Coarse & fine sand, brown organic silt, large amount of pyrite.
24	26	7099	0.68	0.032		6	0.011	6	0.011	As above, less pyrite.
26	28	7100	0.87	0.032		6	0.011	6	0.011	As above, less pyrite.
28	30	7201	0.43	0.032		6	0.011	6	0.011	Coarse & fine sand, a little white clay, pyrite.

Drillers reported basement at 49.0 m. Overall value from surface to 51 m. 63 kg SnO₂/m³
 Interval of tin bearing wash 42-49 m. 403 g SnO₂/m³ 0.106 lbs SnO₂/yd³

046192

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA PIONEER HOLE NO.: K113 COLLAR COORDINATES: 52100mN 77300mE SURFACE R.L.: 97.12m BASEMENT R.L.: 48.12m

Date: 3/10/79 Driller: M. Kerrison Assistant: J. Groves Sample Washer: B. Shean Geologist: R. Munro Cutting shoe diameter: 16.03cm
 10/10/79 Theoretical Volume: 0.040 m³ Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
30	32	7202	0.71	0.032	)		6	0.011	Coarse & fine sand, pyrite.
32	34	7203	0.70	0.032	)		6	0.011	Coarse & fine sand, a little white clay, drift, monazite, ilmenite.
34	36	7204	0.77	0.032	)		6	0.011	Coarse & fine sand, small amount of drift, monazite, ilmenite.
36	38	7205	0.63*	0.032	)		6	0.011	Coarse & fine sand, white clay, monazite, ilmenite.
38	40	7206	0.55*	0.032	)		6	0.011	As above.
40	42	7207	0.28*	0.032	2.71	27.3	33	0.056	As above, trace of tin,
42	44	7208	0.53*	0.032	6.48	46.1	133	0.225	Coarse & fine sand, tin, ilmenite.
44	46	7209	0.52*	0.032	34.23	48.3	738	1.245	Coarse & fine sand, a little birds eye wash, drift, tin, ilmenite.
46	48	7210	0.67*	0.032	9.49	37.0	157	0.264	As above.
48	50	7211	0.45*	0.032	13.90	44.8	278	0.469	Coarse & fine sand, medium wash, small wash, decomposed granite, tin, ilmenite.
50	51	7212	0.31*	0.016	4.17	30.7	114	0.193	Decomposed granite, tin, ilmenite, monazite.
51	52	7213	0.16*	0.016	1.75	23.9	37	0.063	As above, less tin,
52	54	7214	0.71*	0.032	4.09	15.8	29	0.049	As above, less tin.

* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.

Drillers reported basement at 49.0 m. Overall value from surface to 51 m. 63 g SnO₂/m³
 Interval of tin bearing wash 42-49 m. 403 g SnO₂/m³ 0.106 lbs SnO₂/yd³
 Grade (new method) 67 g SnO₂/m³ (cassiterite 70% Sn)

046193

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52000mN 77100mE 100.84m 50.64m

AREA : PIONEER HOLE NO. : K112 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 25/9/79 Driller: A. Summers Assistant: M. Moore Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 13.7 cm
 3/10/79 Theoretical Volume: 0.0295 m³ B. Shean Casing diameter: 12.6 cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To		X100	80% Rad. F.			SnO ₂ g/m	SnO ₂ lbs/yd ³	
0	2	7129	0.35*	0.023	2 grouped samples		21	0.036	Top soil, coarse & fine sand, trace of fine tin, ilmenite.
2	4	7130	0.69	0.023		13.79	18.0	21	0.036	Coarse & finesand, large drift, fine tin, ilmenite.
4	6	7131	0.43	0.023			9	0.015	Coarse & fine sand, brown clay, ilmenite.
6	8	7132	0.44	0.023		9	0.015	As above, no brown clay.	
8	10	7133	0.80	0.032			9	0.015	Coarse & fine sand, yellow sandy clay, ilmenite, monazite.
10	12	7134	0.54	0.023		9	0.015	As above.	
12	14	7135	0.55	0.023			9	0.015	Coarse & fine sand, white sandy clay, ilmenite, monazite.
14	16	7136	0.56	0.023		9	0.015	Coarse & fine sand, white clay, large drift, ilmenite, monazite.	
16	18	7137	0.44	0.023	21 grouped samples		9	0.015	Coarse & fine sand, brown clay, wood, ilmenite, monazite.
18	20	7138	0.52	0.023		66.32	4.48	9	0.015	Coarse & fine sand, ilmenite, monazite.
20	22	7139	0.51	0.023			9	0.015	Coarse & fine sand, large drift, ilmenite, monazite.
22	24	7140	0.66	0.023		9	0.015	Coarse & fine sand, white clay, ilmenite, monazite.	
24	26	7141	0.55	0.023			9	0.015	As above.
26	28	7142	0.48	0.023		9	0.015	As above with brown clay,	
28	30	7143	0.54	0.023			9	0.015	As above, (no brown clay).

Drillers reported basement at 50.10 m. Overall value from surface to 54 m. 124 gSnO₂/m³
 Interval of tin bearing wash 48-50.1 m. 2998 g SnO₂/m³ 0.209 lbsSnO₂/yd³

046194

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA : PIONEER HOLE NO. : K112 COLLAR COORDINATES : 52000mN 77100mE SURFACE R.L. : 100.84m BASEMENT R.L. : 50.64m

Date: 25/9/79 Driller: A. Summers Assistant: M. Moore Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 13.7 cm
 3/10/79 Theoretical Volume: 0.0295 m³ B. Shean Casing diameter: 12.6 cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To		X100	80% Rad. F.			SnO ₂ g/m	SnO ₂ lbs/yd ³		
30	32	7144	0.40	0.023	)		9	0.015	Coarse & fine sand, white clay, pyrite.
32	34	7145	0.33	0.023	)		9	0.015	Coarse & fine sand, drift, pyrite, ilmenite.
34	36	7146	0.68	0.023	)		9	0.015	Coarse & fine sand, white clay, ilmenite, monazite.
36	38	7147	0.44	0.023	)		9	0.015	As above.
38	40	7148	0.69	0.023	)		9	0.015	Coarse & fine sand, white clay, white silt, large drift, ilmenite, monazite.
)					
40	42	7149	0.54	0.023	)		9	0.015	Coarse & fine sand, ilmenite, monazite.
42	44	7150	0.38	0.023	)		9	0.015	Coarse & fine sand, minor silty clay, ilmenite, monazite.
44	46	7151	0.56*	0.023	)		9	0.015	Coarse & fine sand, white clay, ilmenite, monazite.
46	48	7152	0.42*	0.023)	4.97	9.28	29	0.048	Coarse & fine sand, white silt, trace of tin, ilmenite.
48	50	7153	0.54*	0.023)	48.05	41.4	1236	2.084	Coarse & fine sand, birds eye wash, drift, minor white clay, tin, ilmenite.
50	51	7154	0.46*	0.0125)	46.27	38.8	2052	3.460	Coarse & fine sand, decomposed granite, tin, ilmenite.
51	52	7155	0.28*	0.0125)	14.81	43.8	741	1.250	Decomposed granite, tin, ilmenite.
52	54	7156	0.43*	0.023)	20.35	36.4	460	0.776	As above.
54	55	7157	0.32*	0.0125)	4.00	24.39	111	0.187	Decomposed granite, trace of tin, pyrite, ilmenite.

Drillers reported basement at 50.10 m. Overall value from surface to 54 m. 124 g SnO₂/m³

Interval of tin bearing wash 48-50.1 m. 2998 g SnO₂/m³ 0.209 lbs SnO₂/yd³

* Denotes sample settled by removing suspended silt and clay particles prior to measuring recovered volume.
 (cassiterite 70% Sn)
 Grade (new method) - 147 g SnO₂/m³

046195

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52000mN 77300mE

98.19m

48.69m

AREA : PIONEER HOLE NO. : K111 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 24/9/79 Driller: M.Kerrison Assistant: J.Groves Sample Washer: A.Moore Geologist: R.Munro Cutting shoe diameter: 16.02cm
 28/9/79 Theoretical Volume: 0.040 m³ B.Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ kg/m ³	SnO ₂ lbs/yd ³		
			X100	80% Rad. F.						
0	2	7058	0.62	0.032	1.70	40.00	30	0.051	Black top soil, coarse & fine sand, large drift, trace of tin, ilmenite.	
2	4	7059	1.03	0.033	4.00	12.5	22	0.036	Coarse & fine sand, fine tin, ilmenite.	
4	6	7060	0.64	0.032	3.97	5.19	5	0.008	Coarse & fine sand, yellow clay, ilmenite, pyrite.	
6	8	7061	0.49*	0.032	2 grouped samples		5	0.008	Coarse & fine sand, small trace of tin, monazite.	
8	10	7062	0.78	0.032	)		9	0.015	Coarse & fine sand, ilmenite, monazite.
10	12	7063	0.54	0.032	)		9	0.015	As above.
12	14	7064	0.56	0.032	)		9	0.015	As above.
14	16	7065	0.73	0.032	)		9	0.015	As above. with white clay.
16	18	7066	0.69	0.032	)		9	0.015	Coarse & fine sand, brown clay, ilmenite, monazite.
18	20	7067	0.49	0.032	)	16 grouped samples	9	0.015	Coarse & fine sand, brown silt, ilmenite, monazite.
20	22	7068	0.67	0.032)	101.50	3.11	9	0.015	As above.
22	24	7069	0.62	0.032)			9	0.015	Coarse & fine sand, brown silt, pyrite.
24	26	7070	0.61	0.032)			9	0.015	As above.
26	28	7071	0.32	0.032)			9	0.015	As above.
28	30	7072	0.50	0.032)			9	0.015	Coarse & fine sand, white clay, ilmenite, monazite.

Drillers reported basement at 49.50 m. Overall value from surface to 52 m. 337 g SnO₂/m³
 Interval of tin bearing wash 42-49.5 m. 2329 g SnO₂/m³ 0.568 lbs SnO₂/yd³

046196

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA : PIONEER HOLE NO. : K111 COLLAR COORDINATES : 52000mN 77300mE SURFACE R.L. : 98.19m BASEMENT R.L. : 48.69m

Date: 24/9/79 Driller: M. Kerrison Assistant: J. Groves Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.02cm
 28/9/79 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 14.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ %/m ³	SnO ₂ lbs/yard		
30	32	7073	0.62	0.032	)		9	0.015	Coarse & fine sand, white clay, ilmenite, monazite, pyrite.	
32	34	7074	0.74	0.032	)		9	0.015	As above, no pyrite.	
34	36	7075	0.63	0.032	)		9	0.015	Coarse & fine sand, brown silt, pyrite.	
36	38	7076	0.63	0.032	)		9	0.015	Coarse & fine sand, brown & white clay, pyrite.	
38	40	7077	0.54*	0.032	)		9	0.015	Coarse & finesand, white clay, pyrite.	
40	42	7078	0.43*	0.032	)	3.42	9.69	15	0.030	Coarse & fine sand, large drift, trace of tin, ilmenite, monazite, pyrite.
42	44	7079	0.50*	0.032	)	5.31	23.3	55	0.093	Coarse & fine sand, white clay, trace of tin, ilmenite, pyrite.
44	46	7080	0.48*	0.032	)	41.21	63.2	1163	1.961	Coarse & fine sand, birds eye wash, little white clay, tin, ilmenite.
46	48	7081	0.62*	0.032	)	101.97	63.2	2877	4.852	Coarse & fine sand, birds eye wash, large amount of tin, ilmenite.
48	50	7082	0.82*	0.032	)	121.70	62.2	3379	5.699	Coarse & fine sand, yellow clay, granite, large amount of tin, ilmenite.
50	51	7083	0.30*	0.016	)	31.94	63.5	1811	3.054	Coarse & fine sand, decomposed granite, tin ilmenite.
51	52	7084	0.30*	0.016	)	6.52	57.9	337	0.568	As above.
52	53	7085	0.30*	0.016	)	3.98	53.3	199	0.319	Decomposed granite, small amount of tin, ilmenite.

Drillers reported basement at 49.50 m. Overall value from surface to 52 m. 337 g SnO₂/m³
 Interval of tin bearing wash 42-49.5 m. 2329 g SnO₂/m³ 0.568 lbs SnO₂/yd³
 Grade (new method) 361 g SnO₂/m³ (cassiterite 70% Sn)

046197

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

AREA : PIONEER HOLE NO. : K111 52000mN 77300mE COLLAR COORDINATES : 98.19m SURFACE R.L. : 48.69m BASEMENT R.L. :

Date: 24/9/79 Driller: M.Kerrison Assistant: J.Groves Sample Washer: S.Moore Geologist: R.Munro Cutting shoe diameter: 16.02cm
 28/9/79 Theoretical Volume: 0.040 m³ E.Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay %Sn	Value over Interval		Description of Sample
From	To						SnO ₂ kg/m ³	SnO ₂ lbs/yd ³	
53	54	7086	0.35*	0.016	4.07	43.7	158	0.268	Decomposed granite, trace of tin ilmenite.
* Denotes sample settled by removing suspended silt and clay prior to measuring recovered volume.									

Drillers reported basement at 49.50 m. Overall value from surface to 52 m. 332 gSnO₂/m³
 Interval of tin bearing wash 42-49.5 m. 2329 g SnO₂/m³ 0.568 lbsSnO₂/yd³
 Grade (new method) 361 g SnO₂/m³ (cassiterite 70% Sn)

046198

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52300mN 77400mE 92.49m 51.49m

AREA : PIONEER HOLE NO. : K110 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 24/9/79 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 17.78cm
 9/10/79 Theoretical Volume: 0.0497 m³ E. Shean Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To		X100	80% Rad.			SnO ₂ g/m	SnO ₂ lbs/yd ³		
0	2	3051	0.64*	0.040	2.68	22.2	21	0.036	Black top soil, coarse & fine sand, large drift, brown clay, fine tin, ilmenite.	
2	4	3052	0.63*	0.040	)		7	0.012	White clay, coarse & fine sand, ilmenite, monazite.
4	6	3053	0.40*	0.040	)		7	0.012	As above.
6	8	3054	0.43*	0.040	)		7	0.012	As above.
8	10	3055	0.56*	0.040	)		7	0.012	As above.
10	12	3056	0.80*	0.040	)		7	0.012	As above.
12	14	3057	0.43*	0.040	)	16 grouped samples	7	0.012	Coarse & fine sand, white clay, ilmenite, pyrite.
14	16	3058	0.40*	0.040)	57.99	5.28	7	0.012	Coarse & fine sand, brown clay, pyrite.
16	18	3059	0.58	0.040	)		7	0.012	As above.
18	20	3060	0.48	0.040	)		7	0.012	Coarse & fine sand, brown clay, ilmenite, pyrite, monazite.
20	22	3061	0.71	0.040	)		7	0.012	Fine sand, white silt, ilmenite, monazite.
22	24	3062	0.56	0.040	)		7	0.012	Coarse & fine sand, white clay, drift, ilmenite, monazite.
24	26	3063	0.93	0.040	)		7	0.012	Coarse & fine sand, white silt, drift, trace of tin, ilmenite.
26	28	3064	0.49	0.040	)		7	0.012	Coarse & fine sand, white clay, ilmenite, monazite.
28	30	3065	0.70	0.040	)		7	0.012	White clay, coarse & fine sand, monazite, ilmenite.

Drillers reported basement at 41.0 m. Overall value from surface to 42 m. 191 gSnO₂/m³
 Interval of tin bearing wash 34-41 m. 1197 g SnO₂/m³ 0.323 lbsSnO₂/yd³

040199

AMDEX MINING LIMITED PERCUSSION DRILL LOG

52300mN 77400mE 92.49m 51.49m

AREA : PIONEER HOLE NO. : K110 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 24/9/79 Driller G. Selby Assistant: M. Ferry Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 17.78cm
 9/10/79 Theoretical Volume: 0.0497 m³ B. Shean Casing diameter: 16.83cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
30	32	3066	0.62	0.040	)		7	0.012	Coarse & fine sand, a little white clay, drift, ilmenite, monazite.
32	34	3067	0.50	0.040	)		7	0.012	White clay, coarse & fine sand, drift, ilmenite, monazite.
34	36	3068	0.59*	0.040	11.02	34.9	137	0.232	Coarse & fine sand, birds eye wash, large drift, tin, monazite, ilmenite.
36	38	3069	0.42*	0.040	20.05	44.5	319	0.537	Coarse & fine sand, white clay, drift, tin, ilmenite, monazite.
38	40	3070	0.44*	0.040	113.52	53.3	2161	3.644	Coarse & fine sand, birds eye wash, heavy drift, tin, ilmenite.
40	42	3071	0.41*	0.040	57.00	62.5	1272	2.146	Coarse & fine sand, birds eye wash, heavy drift, decomposed granite, tin, ilmenite,
42	44	3072	0.23*	0.040	13.50	34.3	165	0.279	Decomposed granite, ilmenite, tin.
44	46	3073	0.41*	0.040	9.38	40.2	134	0.227	As above.
* Denotes sample settled by removing suspended silt and clay prior to measuring recovered volume.									

Drillers reported basement at 41.0 m. Overall value from surface to 42 m. 191 kg SnO₂/m³

Interval of tin bearing wash 34-41 m. - 1197 g SnO₂/m³ 0.323 lbs SnO₂/yd³

Grade - Revised method - 211 g SnO₂/m³

(cassiterite 70% Sn)

046200

AMDEX MINING LIMITED PERCUSSION DRILL LOG

52100mN 77100mE

99.24m

51.54m

AREA PIONEER HOLE NO.: K109 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 14/9/79 Driller: A. Summers Assistant: K. Moore Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 13.7cm
 21/9/79 Theoretical Volume: 0.0295 m³ B. Shean Casing diameter: 12.6cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
0	2	7103	0.31	0.023	3.21	23.5	46	0.079	Black top soil, coarse & fine sand, large drift, trace of fine tin, ilmenite.
2	4	7104	0.52*	0.023	2.45	12.3	19	0.032	Coarse & fine sand, yellow silty clay, trace of tin, ilmenite.
4	6	7105	0.62	0.023	1.42	6.64	6	0.010	Coarse & fine sand, white clay, small trace of tin, ilmenite.
6	8	7106	0.47	0.023	) 2 grouped samples		5	0.008	Fine & coarse sand, brown clay, pyrite.
8	10	7107	0.59*	0.023	) 2.10		5	0.008	Coarse & fine sand, fine white silty clay, pyrite, ilmenite.
10	12	7108	0.48*	0.023	)		7	0.011	Coarse & fine sand (brown), brown silt, ilmenite, monazite, trace of tin
12	14	7109	0.76	0.023	)		7	0.011	As above, no monazite.
14	16	7110	0.56	0.023	)		7	0.011	Coarse & fine sand (brown), drift, tin, ilmenite.
16	18	7111	0.59	0.023	)		7	0.011	Coarse & fine sand, -(brown), brown clay, trace of tin, ilmenite.
18	20	7112	0.69*	0.023	) 16 grouped samples		7	0.011	Coarse & fine sand, white clay, monazite, ilmenite.
20	22	7113	0.49	0.023	)		7	0.011	Coarse & fine sand, large drift, monazite, ilmenite.
22	24	7114	0.48	0.023	) 15.45		7	0.011	Coarse & fine sand, white clay, monazite, ilmenite.
24	26	7115	0.84	0.023	)		7	0.011	As above.
26	28	7116	0.68	0.023	)		7	0.011	Coarse & fine sand, drift, white clay, monazite, ilmenite.
28	30	7117	0.48	0.023	)		7	0.011	As above, no white clay.

Drillers reported basement at 47.70 m. Overall value from surface to 51 m. 123 gSnO₂/m³
 Interval of tin bearing wash 42-47.70 m. 1011 g SnO₂/m³ 0.208 lbsSnO₂/yd³
 Grade (new method) - 129 g SnO₂/m³ (cassiterite 70% Sn)

0462017

AMDEX MINING LIMITED - PERCUSSION DRILL LOG

52100mN 77100mE 99.24m 51.54m

AREA: PIONEER HOLE NO.: K109 COLLAR COORDINATES: SURFACE R.L.: BASEMENT R.L.:

Date: 14/9/79 Driller: A. Summers Assistant: M. Moore Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 13.7cm
 21/9/79 Theoretical Volume: 0.0295 m³ B. Shean Casing diameter: 12.6cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample
From	To						SnO ₂ g/m	SnO ₂ lbs/yd ³	
			X100	80% Rad. F.					
30	32	7118	0.68	0.023			7	0.011	Coarse & fine sand, white clay, monazite, ilmenite.
32	34	7119	0.77	0.023			7	0.011	As above.
34	36	7120	0.71	0.023			7	0.011	As above, no clay.
36	38	7121	0.62	0.023			7	0.011	As above, (with clay).
38	40	7122	0.62*	0.023			7	0.011	As above.
40	42	7123	0.55*	0.023			7	0.011	As above.
42	44	7124	0.48*	0.023	5.34	14.5	48	0.081	Coarse & fine sand, brown clay, trace of tin, ilmenite.
44	46	7125	0.59*	0.023	23.56	23.8	348	0.587	Coarse & fine sand, birds eye wash, drift, tin, ilmenite.
46	48	7126	0.66*	0.023	87.35	35.9	1948	3.285	Coarse & fine sand, few pieces of birds eye wash, drift, decomposed granite, tin, ilmenite.
48	50	7127	0.34*	0.023	30.18	25.0	469	0.790	Decomposed granite, tin, ilmenite, pyrite.
50	51	7128	0.23*	0.0125	7.02	17.3	138	0.233	Decomposed granite, trace of tin, ilmenite, pyrite.
* Denotes samples with slimes settled prior to measurement.									

Drillers reported basement at 42.70 m. Overall value from surface to 51 m. 123 g SnO₂/m³
 Interval of tin bearing wash 42.47-70 m. 1011 g SnO₂/m³ 0.208 lbs SnO₂/yd³

046202

AMDEX MINING LIMITED PERCUSSION DRILL LOG

52100mN 77400mE

98.19m

50.49m

AREA : PIONEER HOLE NO. : K108 COLLAR COORDINATES : SURFACE R.L. : BASEMENT R.L. :

Date: 10/9/79 Driller: M. Kerriso Assistant: J. Groves Sample Washer: A. Moore Geologist: R. Munro Cutting shoe diameter: 16.03cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To		X100	80% Rad. F.			SnO ₂ kg/m	SnO ₂ lbs/yd ³		
0	2	7032	0.82	0.032	10.86	16.2	0.079	0.0132	Black top soil, coarse & fine sand, large drift, fine tine, ilmenite.	
2	4	7033	0.84	0.032	12.65	9.04	0.051	0.086	Coarse & fine sand, brown clay, large drift, tin ilmenite.	
4	6	7034	0.49*	0.032	)		0.001	0.001	Coarse & fine sand, brown & white sandy clay, ilmenite.
6	8	7035	0.62*	0.032	)		0.001	0.001	Coarse & finesand, ilmenite. pyrite.
8	10	7036	0.76*	0.032	)		0.001	0.001	As above with brown clay.
10	12	7037	0.71*	0.032	)		0.001	0.001	As above.
12	14	7038	0.95	0.032	)		0.001	0.001	Coarse & fine sand, white clay, pyrite, ilmenite.
14	16	7039	0.50	0.032	)		0.001	0.001	Coarse & fine sand, brown clay, pyrite, ilmenite.
16	18	7040	0.60	0.032	)	15 grouped samples	0.001	0.001	Coarse & fine sand, brown clay, ilmenite, monazite.
18	20	7041	0.46	0.032	)		0.001	0.001	Coarse & fine sand, large drift, ilmenite, monazite.
20	22	7042	0.65	0.032)	48.47	0.36	0.001	0.001	Coarse & fine sand, brown clay, ilmenite, pyrite.
22	24	7043	0.59	0.032	)		0.001	0.001	As above.
24	26	7044	0.70	0.032	)		0.001	0.001	As above.
26	28	7045	0.68	0.032	)		0.001	0.001	As above.
28	30	7046	0.39	0.032	)		0.001	0.001	Coarse & fine sand, brown clay, ilmenite, monazite.

Drillers reported basement at 47.70 m. Overall value from surface to 50 m. 0.034 kg SnO₂/m³
 Interval of tin bearing wash 42-47.7 m. -221 g SnO₂/m³ 0.057 lbs SnO₂/yd³
 Grade (new method) 36 g SnO₂.m³ (cassiterite 70% Sn)

046203

AMDEX MINING LIMITED PERCUSSION DRILL LOG

52100mN 77400mE

98.19m

50.49m

AREA : PIONEER HOLE NO. : K108

COLLAR COORDINATES :

SURFACE R.L. :

BASEMENT R.L. :

Date: 10/9/79 Driller: M. Kerrison Assistant: J. Goves Sample Washer: S. Moore Geologist: R. Munro Cutting shoe diameter: 16.03cm
 Theoretical Volume: 0.040 m³ B. Shean Casing diameter: 15.24cm

Section Metres		Sample No.	Recovered Volume %	Corrected Volume m ³	Weight (gms) Concentrate	Concentrate Assay % Sn	Value over Interval		Description of Sample	
From	To						SnO ₂ .g/m	SnO ₂ lbs/yd ³		
			X100	80% Rad.						
30	32	7047	0.35	0.032	)		0.001	0.001	Fine & coarse sand, brown clay, monazite, ilmenite, pyrite.	
32	34	7048	0.53	0.032	)		0.001	0.001	Coarse & fine sand, brown clay, wood, monazite, ilmenite.	
34	36	7049	0.43*	0.032	)	17.2	20.40	0.020	0.034	Coarse & fine sand, brown-orange silt, trace of tin, ilmenite, monazite.
36	38	7050	0.46	0.032	)	4 grouped samples		0.020	0.034	Coarse & fine sand, trace of tin, ilmenite.
38	40	7051	0.32	0.032	)			0.020	0.034	Coarse & fine sand, rare birds eye wash, trace of tin, pyrite, ilmenite.
40	42	7052	0.35*	0.032	)			0.020	0.034	Coarse & fine sand, large drift, rare wash, trace of tin, ilmenite.
42	44	7053	0.60*	0.032	)	24.4	11.04	0.120	0.203	Coarse & fine sand, tin, ilmenite,
44	46	7054	0.75*	0.032	)	22.2	7.11	0.070	0.119	As above with pyrite.
46	48	7055	0.64	0.032	)	43.8	16.42	0.321	0.541	Coarse & fine sand, decomposed granite, tin ilmenite.
48	50	7056	0.51	0.032	)	30.7	8.15	0.112	0.188	Coarse & fine sand, decomposed granite, trace of tin, ilmenite, pyrite, monazite.
50	51	7057	0.15	0.016	)	12.3	1.42	0.016	0.026	Decomposed granite, monazite, pyrite, ilmenite.
* Samples settled by removing all suspended clay and silt prior to measuring a recovered volume.										

Drillers reported basement at 47.70 m.

Overall value from surface to 50 m. 0.034 g SnO₂/m³

Interval of tin bearing wash m.

0.057 lbs SnO₂/yd³

(cassiterite 70% Sn)

046204



App. 6

Pioneer Reverse Circulation Drilling

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K169 Collar Co-ordinates: 52000 mN 76800 mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 101.34 m Basement R.L.: m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 5/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	2	9381	5				6.3	6.0	sand, brown cement, Trace of tin, ilminite.
2	4	9382	7				6.3	6.0	sand, brown cement, Trace of fine tin, il. & mzt.
4	6	9383	8				6.3	6.0	sand, hard brown cement, Trace il. & monozite.
6	8	9384	6				6.3	6.0	Sand, hard brown cement. Trace of ilminite.
8	10	9385	3				6.3	6.0	Sand, (coarse) drift, fine sand, brown cement, tr. il.
10	12	9386	3				6.3	6.0	Sand, brown clay. Trace of ilminite.
12	14	9387	7				6.3	6.0	Sand, brown and white clay, Trace monozite, ilminite.
14	16	9388	6	19 grouped samples			6.3	6.0	sand, brown & white, clay large drift. il. & monoz.
16	18	9389	7	537.8	0.19	0.92	6.3	6.0	sand, brown clay, large drift. ilminite & pyrite.
18	20	9390	8				6.3	6.0	sand, organic silt, wood. Pyrite & ilminite.
20	22	9391	6				6.3	6.0	sand, organic silt, wood, large drift. Pyrite, il.
22	24	9392	7				6.3	6.0	Sand, organic silt, wood. Pyrite.
24	26	9393	5				6.3	6.0	Sand, organic silt, Pyrite.
26	28	9394	8				6.3	6.0	Sand, organic silt, brown clay, pyrite lumps. pyrite.
28	30	9395	9				6.3	6.0	Sand, organic silt, brown clay, wood. Pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers' reported basement at 45.2 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 158 l. at 45 m 21.3 g SnO₂ / m³ +
 Total recovered tin 3.89 g SnO₂ at 45 m 24.6

046206

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K169 Collar Co-ordinates: mN mE Drilling Method: Wallis Drilling Reverse Circulation
 Surface R.L.: 101.34 m Basement R.L.: m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres
 Date: 5/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shear Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
30	32	9396	14				6.3	6.0	Sand, brown clay, wood, large drift. Pyrite.
32	34	9397	14				6.3	6.0	Sand, wood, pyrite & ilminite.
34	36	9398	10				6.3	6.0	Sand, brown clay, large drift. Pyrite, ilminite.
36	38	9399	12				6.3	6.0	Sand, drift, a little wash, white clay, ilm. & Mon.
38	40	9400	7	116.1	0.19	0.32	45.0	39.0	Sand, organic silt, large drift, pyrite, lumos. wood. Pyrite, trace of ilminite.
40	42	9401	2	128.8	0.18	0.34	168.7	41.8	Sand, granite, minor brown clay. Pyrite.
42	44	9402	2	143.1	0.23	0.46	230.3	57.0	As Above.
44	46	9403	4	160.5	0.17	0.39	97.4	48.0	Granite, Pyrite.
46	48	9404	3	125.2	0.16	0.29	95.7	35.5	As Above.
48	50	9405	2	174.0	0.12	0.31	154.4	38.2	As Above.
50	52	9406	4	183.2	0.17	0.43	108.4	53.7	As Above.
52	54	9407	2	207.9	0.14	0.43	215.3	53.3	Granite, Pyrite, ilminite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 45.2 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 158 l. at 45 m 21.3 g SnO₂ / m³ +
 Total recovered tin 3.89 g SnO₂ at 45 m 24.6

046207

Dwg. no. : P 136 /64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No. K168 Collar Co-ordinates: 52100 mN 76900 mE Drilling Method: Wallis Drilling Reverse Circulation.

Surface R.L.: 98.04 m Basement R.L.: 51.04 m Cutting Shoe / Bit diameter: 30mm Theoretical Volume: 10.1 litres

Date: 5/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shear Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO2)	Grade * gSnO2/m ³	Grade + gSnO2/m ³	Description of Sample
From	To								
0	2	9355	11				22.1	27.5	Sand, brown cement, Trace of monozite, ilminite.
2	4	9356	12				22.1	27.5	Sand, white & yellow clay, ilminite, monozite.
4	6	9357	7				22.1	27.5	Sand, large drift, small wash. Trace f/tin, il. mono.
6	8	9358	8				22.1	27.5	sand, white clay. Ilminite & monozite.
8	10	9359	7				22.1	27.5	Sand, grey clay. Trace ilminite, monozite.
10	12	9360	8				22.1	27.5	Sand, white clay. Ilminite & monozite.
12	14	9361	8				22.1	27.5	as above.
14	16	9362	10				22.1	27.5	Sand, large drift. Ilminite, monozite.
16	18	9363	5	21 grouped samples.			22.1	27.5	Sand, large drift, white clay. Ilminite, monozite.
18	20	9364	9	351.1	0.93	4.00	22.1	27.5	sand, white clay. Fine trace monozite, ilminite.
20	22	9365	11				22.1	27.5	Sand, white clay, large drift. ilminite & monozite.
22	24	9366	9				22.1	27.5	White clay, sand, Ilminite & monozite.
24	26	9367	14				22.1	27.5	Trace tin, ilminite, monozite. Sand, large drift, white clay, small wash. 5
26	28	9368	18				22.1	27.5	As above.
28	30	9369	8				22.1	27.5	Sand, drift, birds eye wash, white and yellow clay Trace of tin, ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 47 m. Grade from surface to inferred basement at m g SnO2 / m³ *
 Total recovered volume, surface to basement 228 l. at 47 m 32.6 g SnO2 / m³ +
 Total recovered tin 6.27 g SnO2 at 47 m 27.5

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K168 Collar Co-ordinates: 52100 mN 76900 mE Drilling Method: Wallis Drilling Reverse-Circulation.

Surface R.L.: 98.04 m Basement R.L.: 51.04 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 5/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
30	32	9370	8				22.1	27.5	Sand, yellow and white clay, grey silty clay. Ilminite & monozite.
32	34	9371	5				22.1	27.5	sand, organic silt, wood. ilminite, mono. & pyrite.
34	36	9372	13				22.1	27.5	Sand, yellow and white clay, small wash, brown cement,, wood, drift. Ilminite, Monozite.
36	38	9373	22				22.1	27.5	Sand, white clay, brown cem. drift. ilminite, mono.
38	40	9374	9				22.1	27.5	Sand, grey silty clay. Ilminite & monozite.
40	42	9375	9				22.1	27.5	As above.
42	44	9376	6	84.9	0.43	0.52	86.9	64.5	Sand, yellow and white clay. small & med. wash. Trace of tin, ilminite, monozite.
44	46	9377	7	100.8	0.18	0.26	37.0	32.0	Sand white & yellow clay, brown cement. Ilminite, pyrite.
46	48	9378	8	155.5	0.14	0.31	38.9	38.5	Decomposed granite, sand, brown cement. Pyrite, il.
48	50	9379	3	83.1	0.29	0.34	114.8	42.6	Decomposed granite, Ilminite, pyrite.
50	51	9380	9	46.6	0.27	0.18	20.0	20.0	Decomposed granite. Ilminite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 47 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 228 l. at 47 m 32.6 g SnO₂ / m³ +
 Total recovered tin 8.27 g SnO₂ at 47 m 27.5

046209

Dwg. no. : P136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No.: K167... Collar Co-ordinates: 52700.....mN 76900.....mE Drilling Method: Wallis Drilling Reverse Circulation.

Surface R.L.: 98.24.....m Basement R.L.: 51.24.....m Cutting Shoe / Bit diameter: 80mm..... Theoretical Volume: 10.1.....litres

Date: 5/2/80..... Driller: A. Cameron..... Assistant: T. King..... Sample Washer: S. Moore/B. Shean Geologist: R. Munro.....

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	9328	7				8.3	8.3	Sand, white cement, Trace of monozite.
2	4	9329	12				8.3	8.3	white clay, minor sand, trace monozite, ilminite.
4	6	9330	7				8.3	8.3	Sand, white clay, brown cement, trace fine tin, il.
6	8	9331	7				8.3	8.3	Sand, large drift, minor white clay. ilm. & mono.
8	10	9332	10				8.3	8.3	white clay, small amount of sand,
10	12	9333	7				8.3	8.3	Sand, white clay. ilminite & monozite.
12	14	9334	12				8.3	8.3	As above.
14	16	9335	8				8.3	8.3	Sand, organic silt, large drift. Pyrite, ilminite.
16	18	9336	10	20 grouped			8.3	8.3	Sand, organic silt, wood, large drift, pyrite lumps, Pyrite.
18	20	9337	9	samples			8.3	8.3	Sand, large drift, organic silt. Pyrite lumps. Pyrite.
20	22	9338	6	232.0	0.57	1.89	8.3	8.3	Sand, organic silt, large drift. Pyrite.
22	24	9339	6				8.3	8.3	Sand, organic silt, white clay. Pyrite.
24	26	9340	12				8.3	8.3	Sand, large drift, minor white clay. ilminite & mono.
26	28	9341	14				8.3	8.3	Sand, large drift, small wash, white clay. il&mono.
28	30	9342	13				8.3	8.3	Sand, white and brown clay, large drift, ilm. & mono.

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

Drillers reported basement at 47.....m Grade from surface to inferred basement atm..... g SnO₂ / m³ *

Total recovered volume, surface to basement 251.....l at 47.....m 16.8..... g SnO₂ / m³ +

Total recovered tin 373.....g SnO₂ at 47.....m 14.8.....

046210

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K167 Collar Co-ordinates: 52100 mN 76900 mE Drilling Method: Wallis Drilling Reverse Circulation.

Surface R.L.: 98.24 m Basement R.L.: 51.24 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 5/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
30	32	9343	21				8.3	8.3	Sand, large drift, small wash, wood. Trace of ilminite & monozite.
32	34	9344	9				8.3	8.3	Sand, brown & white clay, wood. Pyrite. ilminite.
34	36	9345	17				8.3	8.3	Large drift, white & orange clay, brown cement. small wash. Ilminte, monozite.
36	38	9346	19				8.3	8.3	Large drift, white clay, brown cement, small wash. ilminite, monozite.
38	40	9347	20				8.3	8.3	Drift, orange & white clay, small and med. wash.
40	42	9348	8	122.2	0.15	0.26	32.7	32.4	Sand, grey silty clay. Ilminite, monozite & tin.
42	44	9349	6	120.9	0.14	0.24	40.3	29.9	Sand, white & grey silty clay. Trace of fine tin, ilminite & monozite.
44	46	9350	7	123.3	0.16	0.28	40.2	34.9	Sand, orange & white clay, brown cement, small and med. wash. Trace tin, ilminite & monozite.
46	48	9351	7	163.6	0.14	0.33	46.7	40.5	Sand, orange & white clay, brown cement, small and med. wash. Trace ilminite, monozite.
48	50	9352	6	149.9	0.10	0.21	35.0	26.0	Decomposed granite, brown cement, ilg. & mono. Pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 47 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 251 l. at 47 m 16.8 g SnO₂ / m³ +
 Total recovered tin 2.73 g SnO₂ at 47 m 14.8

046211

Dwg. no. : P136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K166 Collar Co-ordinates: 52200 mN 76900 mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 98.25 m Basement R.L.: 52.25 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 4/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	9301	8				8.1	8.4	Sand, yellow clay. Trace of very fine tin, monozite.
2	4	9302	12				8.1	8.4	Sand, yellow and white clay. Trace of monozite, ilminite.
4	6	9303	6				8.1	8.4	Sand, white clay. Trace monozite & ilminite.
6	8	9304	4				8.4	8.4	Sand, white clay. Ilminite, monozite.
8	10	9305	6				8.1	8.4	Sand, light brown clay, Ilminite, monozite.
10	12	9306	5				8.1	8.4	Sand, brown and white clay. Ilminite, monozite.
12	14	9307	6				8.1	8.4	Sand, white clay. Fine trace- ilminite, monozite.
14	16	9308	6				8.1	8.4	Sand, white clay, large drift. Pyrite, ilminite.
16	18	9309	6		20 grouped		8.1	8.4	Sand, organic silt, wood, Pyrite lumps, il, pyrite.
18	20	9310	8		samples		8.1	8.4	Sand, organic silt, wood. Pyrite, trace of monozite.
20	22	9311	4	199.2	0.48	1.56	8.1	8.4	Sand, organic silt. Pyrite, ilminite.
22	24	9312	8				8.1	8.4	Sand, large drift, organic silt, pyrite, ilminite.
24	26	9313	10				8.1	8.4	Sand, organic silt, Pyrite, ilminite, monozite.
26	28	9314	12				8.1	8.4	Sand, brown clay, large drift. ilminite, monozite.
28	30	9315	14				8.1	8.4	Sand, organic silt, Pyrite, ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 46 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 193 l. at 46 m 24.1 g SnO₂ / m³ +
 Total recovered tin 4.05 gSnO₂ at 46 m 24.1 g SnO₂ / m³ +

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K166 Collar Co-ordinates: 52200 mN 76900 mE Drilling Method: Wallis Drilling Reverse Circulation
 Surface R.L.: 98.25 m Basement R.L.: 52.25 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres
 Date: 4/2/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/M. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
30	32	9316	9						Sand, brown clay, pyrite lumps. pyrite.
32	34	9317	15						Sand, drift, brown cement, fine tin, il. & mono.
34	36	9318	11						Sand, large drift, brown cement, yellow clay & white, small wash, trace tin, ilminite & monozite.
36	38	9319	10						Sand, grey clay. Ilminite & monozite.
38	40	9320	8						Sand, grey clay. Very fine trace of tin, il. & mz.
40	42	9321	6	211.1	0.32	0.97	161.6	120.1	Sand, grey clay, med. wash.
42	44	9322	13	156.1	0.12	0.28	21.3	21.3	Sand, white clay, med. wash. Pyrite.
44	46	9323	6	113.7	0.18	0.29	47.9	35.6	Sand, grey clay, med. wash. Pyrite.
46	48	9324	8	93.6	0.28	0.37	10.4	46.0	Decomposed granite. Pyrite.
48	50	9325	4	169.6	0.21	0.50	120.2	62.5	Decomposed granite. Ilminite & monozite, pyrite.
50	52	9326	5	185.1	0.24	0.64	127.5	78.9	Decomposed granite. Ilminite, pyrite.
52	54	9327	11	79.2	0.22	0.24	22.5	22.3	Decomposed granite. Ilminite, monozite, pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 46 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 193 l. at 46 m 24.1 g SnO₂ / m³ +
 Total recovered tin 4.85 g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K165 Collar Co-ordinates: 52100 mN 77000 mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 96.98 m Basement R.L.: 52.58 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 26/1/80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ / m ³)	Grade + (g SnO ₂ / m ³)	Description of Sample
From	To								
0	2	7954	9				10.8	9.7	Topsol, sand, large drift. Trace of tin (fine) ilminite, monozite,
2	4	7955	4				10.8	9.7	sand, yellow & white clay, large drift. Trace fine tin, ilminite, monozite.
4	6	7956	6				10.8	9.7	Sand, white clay, large drift. Ilminite, monozite.
6	8	7957	2				10.8	9.7	As Above.
8	10	7958	7				10.8	9.7	Sand, white clay. Ilminite & monozite.
10	12	7959	5				10.8,	9.7	Sand, large drift. Ilminite, monozite.
12	14	7960	8				10.8	9.7	Sand, large drift, white clay. Ilminite, monozite.
14	16	7961	10			20 grouped samples	10.8	9.7	sand, large drift. Ilminite & monozite.
16	18	7962	9				10.8	9.7	Sand, brown clay, large drift. Trace tin, il. mz.
18	20	7963	8	178.6	3.61	1.56	10.8	9.7	Sand, white clay, large drift. Trace tin, il. mz.
20	22	7964	7				10.8	9.7	Sand, white and brown clay, large drift. ilm. & mz.
22	24	7965	5				10.8	9.7	Sand, white clay, large drift. Ilminite, monozite.
24	26	7966	7				10.8	9.7	As Above.
26	28	7967	4				10.8	9.7	Sand, white clay, large drift, small wash. il. mz.
28	30	7968	4				10.8	9.7	Sand, white clay, large drift. ilminite & monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at 44 m g SnO₂ / m³ *

Total recovered volume, surface to basement 165 l at 44 m 83.3 g SnO₂ / m³ +

Total recovered tin 15.04 g SnO₂

046215

Dwg. no. : P136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No: K164..... Collar Co-ordinates: 52000..... mN 77000..... mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 100.36..... m Basement R.L.: 49.13..... m Cutting Shoe / Bit diameter: 80mm..... Theoretical Volume: 10.1..... litres

Date: 25/4/80..... Driller: J. Wallis..... Assistant: T. King..... Sample Washer: S. Moore/B. Shean Geologist: R. Munro.....

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To									
0	2		7927	4				13.4	16.6	Black topsoil, sand, yellow clay. Ilminite, monozite.
2	4		7928	7				13.4	16.6	sand, yellow clay, Trace fine tin, ilminite & monozite.
4	6		7929	4				13.4	16.6	sand, yellow clay, brown cement, Ilminite & monozite.
6	8		7930	7				13.4	16.6	sand, white and yellow clay, Ilminite & monozite.
8	10		7931	4				13.4	16.6	Sand, Ilminite & monozite.
10	12		7932	6				13.4	16.6	sand, brown and white clay. Trace of ilminite, monozite.
12	14		7933	6				13.4	16.6	Sand, white clay. Trace of ilminite, monozite.
14	16		7934	7				13.4	16.6	As above.
16	18		7935	8				13.4	16.6	sand, drift, minor small wash, white clay. Trace of monozite & ilminite.
18	20		7936	8	314.1	0.61	2.72	13.4	16.6	sand, large drift, white clay. Trace monozite, ilminite.
20	22		7937	10				13.4	16.6	As above.
22	24		7938	9				13.4	16.6	As above.
24	26		7939	8				13.4	16.6	As above.
26	28		7940	6				13.4	16.6	As above.
28	30		7941	14				13.4	16.6	Sand, large drift, wash, (minor). ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F=80%
 Drillers reported basement at 51.5.....m. Grade from surface to inferred basement at 51.5.....m..... g SnO₂/m³ +
 Total recovered volume, surface to basement 314.....l. at 51.5.....m 26.9..... g SnO₂/m³ +
 Total recovered tin 9.64.....g SnO₂

046217

Dwg. no. : P 136 /64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No.: K164..... Collar Co-ordinates: 52000..... mN 77000..... mE Drilling Method: Wallis Drilling
Reverse Circulation

Surface R.L.: 100.36..... m Basement R.L.: 49.13..... m Cutting Shoe / Bit diameter: 80mm..... Theoretical Volume: 10.1..... litres

Date: 25/1/80..... Driller: J. Wallis..... Assistant: T. King..... Sample Washer: S. Moore/B. Shean Geologist: R. Munro.....

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
30	32	7942	11				13.4	16.6	Sand, large drift, minor wash. Ilminite, monozite.
32	34	7943	8				13.4	16.6	Sand, large drift, minor small wash, white clay.
							13.4	16.6	Ilminite, monozite.
34	36	7944	25				13.4	16.6	Sand, white clay. Monozite, ilminite.
36	38	7945	24				13.4	16.6	Sand, white clay, large drift. Ilminite, monozite.
38	40	7946	25				13.4	16.6	Sand, white clay, brown cement. Ilminite, monozite.
40	42	7947	22	57.1	0.32	0.40	18.1	18.1	Sand, white clay, brown cement, large drift, Trace of tin, ilminite, monozite.
42	44	7948	20	145.5	0.66	1.32	68.6	68.6	Sand, large drift, crown clinker and clay, small wash, Trace of tin, ilminite.
44	46	7949	14	125.4	0.38	0.68	48.3	48.3	Sand, white clay, large drift, Tin, ilminite, monozite.
46	48	7950	23	182.6	0.29	0.77	33.4	33.4	Sand, brown clay, small wash, brown clinker. Tin, ilminite.
48	50	7951	20	165.9	0.53	1.24	62.5	62.5	Sand, drift, wash, brown clinker. Tin ilminite.
50	52	7952	22	122.2	1.28	2.23	101.4	101.4	Sand, birdseye wash, drift, granite. Tin, ilminite.
52.	54	7953	3	120.0	0.14	0.23	78.1	29.0	Decomposed granite. Trace of Pyrite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F=80%
 Drillers reported basement at 51.5 m. Grade from surface to inferred basement at 51.5 m. g SnO₂ / m³ *
 Total recovered volume, surface to basement 314.1. at 51.5 m 26.9 g SnO₂ / m³ +
 Total recovered tin 9.64 g SnO₂

046218

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K163 Collar Co-ordinates: 51900 mN 77000 mE Drilling Method: Wallis Drilling Reverse Circulation
 Surface R.L.: 98.87 m Basement R.L.: 50.87 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres
 Date: 25/1/80 Driller: J. Wallis Assistant: I. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	7901	5				10.5	10.5	Sand, large drift. Trace tin, (fine) monozite.
2	4	7902	9				10.5	10.5	Sand, brown cement. Trace tin (fine) ilminite.
4	6	7903	8				10.5	10.5	sand, white clay. Ilminite, monozite.
6	8	7904	7				10.5	10.5	Sand, brown cement, brown clay. ilminite, monozite.
8	10	7905	6				10.5	10.5	Sand, white clay. Ilminite, monozite.
10	12	7906	4				10.5	10.5	As above.
12	14	7907	7				10.5	10.5	sand, brown clay, large drift, wood. Ilminite, pyrite.
14	16	7908	8				10.5	10.5	sand, organic silt, large drift, wood, Ilminite, pyrite, monozite.
16	18	7909	11		20 grouped samples		10.5	10.5	Sand, white and brown clay, large drift, Ilminite, monozite.
18	20	7910	11				10.5	10.5	sand, white clay, large drift, Ilminite, monozite.
20	22	7911	9	240.8	0.71	2.43	10.5	10.5	As above.
22	24	7912	18				10.5	10.5	As above.
24	26	7913	13				10.5	10.5	sand, large drift, small wash, white clay. Ilminite, monozite.
26	28	7914	10				10.5	10.5	sand, large drift, birds eye wash, clay. Ilminite, monozite.
28	30	7915	16				10.5	10.5	Sand, white clay. large drift. Ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 48 m Grade from surface to inferred basement at 48 m
 Total recovered volume, surface to basement 328 l at 48 m
 Total recovered tin 13.28 g SnO₂ at 48 m

046219

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No: K163 Collar Co-ordinates: 51900 mN 77000 mE Drilling Method: Reverse Circulation wallis Drilling

Surface R.L.: 98.87 m Basement R.L.: 50.87 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 25/1/80 Driller: J. Wallis Assistant: T. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
30	32	7916	11				10.5	10.5	Sand, white clay. Trace ilminite, monozite.
32	34	7917	13				10.5	10.5	As above.
34	36	7918	19				10.5	10.5	Sand, white clay, large drift, ilminite, monozite.
36	38	7919	23				10.5	10.5	As above.
38	40	7920	21				10.5	10.5	Sand, white clay, small wash, large drift. Ilminite, monozite.
40	42	7921	15	123.4	0.76	1.54	89.6	89.6	sand, white clay, drift, Monozite, Ilminite.
42	44	7922	6	128.0	0.36	0.67	111.0	82.4	Sand, drift, white clay. Trace of tin, ilminite, monozite.
44	46	7923	48	150.3	2.32	4.99	103.9	103.9	sand, large drift, birds eye wash, white clay.
									minor tin, ilminite, monozite.
46	48	7924	28	140.1	1.11	2.23	79.7	79.7	Sand, drift, yellow clay, brown cement, minor tin, ilminite, monozite.
48	50	7925	9	134.8	0.57	1.08	120.2	135.9	Sand, decomposed granite, Trace of tin, ilminite, monozite.
50	51	7926	2	133.3	0.28	0.54	269.3	66.7	Granite, Very small trace of tin, ilminite, monozite.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 48 m Grade from surface to inferred basement at 48 m 27.2 g SnO₂ / m³ *
 Total recovered volume, surface to basement 328 l at 48 m 30.5 g SnO₂ / m³ +
 Total recovered tin 13.28 g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer Hole No.: K162 Collar Co-ordinates: 51800 mN 77000 mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 96.50 m Basement R.L.: 54.5 m Cutting Shoe / Bit diameter: 80mm Theoretical Volume: 10.1 litres

Date: 24/1/80 Driller: J. Wallis Assistant: R. King Sample Washer: S. Moore/B. Shean Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	9974	8				4.4	4.4	Sand, brown cement. Trace of fine tin, monozite, ilminite.
2	4	9975	-				4.4	4.4	Sand, yellow and white clay. ilminite, monozite.
4	5	9976	6				4.4	4.4	As above.
6	8	9977	4				4.4	4.4	Sand, white clay, large drift. ilminite, monozite.
8	10	9978	6		16		4.4	4.4	As above.
10	12	9979	7		grouped		4.4	4.4	Sand, organic silt, large drift. mono. ilm. & pyrite.
12	14	9980	6		samples		4.4	4.4	Sand, brown clay, organic silt, large drift. Pyrite, monozite., ilminite.
14	16	9981	6	187.7	0.34	0.92	4.4	4.4	Sand, brown clay. Pyrite, ilminite.
16	18	9982	3				4.4	4.4	Brown and white, clay, sand, Trace of ilminite, monozite.
18	20	9983	15				4.4	4.4	Sand, white clay. ilminite, monozite.
20	22	9984	18				4.4	4.4	Sand, white clay. large drift, small wash. Ilminite, monozite.
22	24	9985	13				4.4	4.4	Sand, white clay. Trace of ilminite, monozite.
24	26	9986	23				4.4	4.4	As. Above.
26	28	9987	34				4.4	4.4	Sand, drift, white clay. Trace ilminite, monozite.
28	30	9988	22				4.4	4.4	Sand, large drift, white clay. trace monozite, ilm. nite.

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at 42.0 m.
 Total recovered volume, surface to basement 324.0 l. at 42.0 m 33.9 g SnO₂ / m³ *
 Total recovered tin 11.9 g SnO₂ at 42.0 m 33.9 g SnO₂ / m³ +

046221

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Wallis Drilling

Area: Pioneer..... Hole No.: K161..... Collar Co-ordinates: 51700.....mN 70000.....mE Drilling Method: Reverse Circulation

Surface R.L.: 91.47.....m Basement R.L.: 61.74.....m Cutting Shoe / Bit diameter: 30mm..... Theoretical Volume: 10.1.....litres

Date: 24/1/80..... Driller: A. Cameron..... Assistant: T. King..... Sample Washer: S. Moore/B. Shean Geologist: R. Munro.....

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	9956	3			2 grouped samples	27.9	12.1	Topsoil, sand, brown cement. Trace tin(fine).il.
2	4	9957	4	135.5	0.10	0.20	27.9	12.1	Sand, brown cement, Trace of tin(fine) ilminite.
4	6	9958	4	168.1	0.43	1.04	259.4	128.4	Sand, brown clay, small gtz. wash, Tin, il. & mz.
6	8	9959	10				16.2	16.2	Sand, drift, brown clay. ilminite, monozite.
8	10	9960	13				16.2	16.2	Sand, brown & white clay, wood, drift. Ilminite & monozite.
10	12	9961	8			9 grouped	16.2	16.2	Brown clay, sand, Ilminite & monozite.
12	14	9962	11			samples	16.2	16.2	Sand, white and brown clay. Trace il. & mz.
14	16	9963	13	213.2			16.2	16.2	Sand, white clay, large drift, ilminite, monozite.
16	18	9964	14				16.2	16.2	As above.
18	20	9965	15				16.2	16.2	Sand, large drift, small wash, white clay. il, mz.
20	22	9966	19				16.2	16.2	As above.
22	24	9967	18				16.2	16.2	As above.
24	26	9968	12	100.5	0.60	0.86	71.3	71.3	As above.
26	28	9969	16	100.0	0.52	0.74	46.1	46.1	As above, - large quantity of ilminite.
28	30	9970	18	127.8	1.20	2.19	121.9	121.9	As above, - large quantity of ilminite.

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

Drillers reported basement at 30.....m. Grade from surface to inferred basement at 30.....m..... g SnO₂ / m³ *

Total recovered volume, surface to basement 178.....l. at 30.....m..... 52.9..... g SnO₂ / m³ +

Total recovered tin 7.1..... g SnO₂

046223

Dwg. no. : P136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No.: K160..... Collar Co-ordinates: 51600..... mN 76900..... mE Drilling Method: Wallis Drilling Reverse Circulation

Surface R.L.: 94.51..... m Basement R.L.: 59.01..... m Cutting Shoe / Bit diameter: 80mm..... Theoretical Volume: 10.1..... litres

Date: 23/1/80..... Driller: A. Cameron..... Assistant: T. King..... Sample Washer: B. Shean/T. King..... Geologist: A. Fleming.....

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To									
0	2		9935	6				20.4	20.4	Sand, heavy drift, cement, trace ilminite, monozite.
2	4		9936	5				20.4	20.4	As above.
4	6		9937	3				20.4	20.4	Sand, clay; ilminite, monozite,
6	8		9938	9				20.4	20.4	Sand, heavy drift, clay; ilminite, monozite.
8	10		9939	11				20.4	20.4	Sand, clay; ilminite, monozite.
10	12		9940	9				20.4	20.4	As above.
12	14		9941	7	173.7	1.53	3.79	20.4	20.4	As above with pyrite.
14	16		9942	12				20.4	20.4	Sand, clay; ilminite, monozite.
16	18		9943	11				20.4	20.4	Sand, clay; pyrite, ilminite, monozite.
18	20		9944	15				20.4	20.4	Sand, clay, heavy drift, monozite, ilminite.
20	22		9945	14				20.4	20.4	Sand, heavy drift, clay, monozite, ilminite.
22	24		9946	19				20.4	20.4	Sand, clay; trace of ilminite, monozite.
24	26		9947	20				20.4	20.4	Sand, heavy drift, clay, birds eye wash, Monozite, ilminite.
26	28		9948	19				20.4	20.4	As above.
28	30		9949	21				20.4	20.4	As above.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 35.5 m. Grade from surface to inferred basement at 35.5 m 95 g SnO₂ / m³ *
 Total recovered volume, surface to basement 232 l. at 35.5 m 79.6 g SnO₂ / m³ +
 Total recovered tin 15.54 g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Pioneer..... Hole No.: K159..... Collar Co-ordinates: 51600..... mN 77000..... mE Drilling Method: Wallis Drilling
Reverse Circulation

Surface R.L.: 95.09..... m Basement R.L.: 59.84..... m Cutting Shoe / Bit diameter: 60mm..... Theoretical Volume: 10.1..... litres

Date: 23/1/60..... Driller: A. Cameron..... Assistant: T. King..... Sample Washer: S. Moore/S. Shean Geologist: A. Fleming.....

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	2	9914	5				18.2	19.8	Sand, heavy drift, cement, Trace of ilminite & monozite.
2	4	9915	5				18.2	19.8	Sand, cement, heavy drift, tr. ilminite, monozite.
4	6	9916	2				18.2	19.8	sand, white, clay, ilminite, monozite.
6	8	9917	5				18.2	19.8	sand, clay, heavy drift, ilminite, monozite.
8	10	9918	4		14 samples		18.2	19.8	sand, heavy drift, small wash, clay, ilminite, mono.
10	12	9919	8				18.2	19.8	Sand, heavy drift, clay, ilminite, monozite.
12	14	9920	8	135.4	1.01	2.24	18.2	19.8	Sand, heavy drift, clay, wood, ilminite, monozite.
14	16	9921	9				18.2	19.8	Sand, clay, heavy drift, ilminite, monozite.
16	18	9922	8				18.2	19.8	As above.
18	20	9923	8				18.2	19.8	sand, drift, clay. ilminite, monozite.
20	22	9924	12				18.2	19.8	Sand, white clay, ilminite.
22	24	9925	10				18.2	19.8	Sand, heavy drift, clay, tr. ilminite, monozite.
24	26	9926	19				18.2	19.8	Sand, heavy drift, clay, tr. wash, ilminite, monozite.
26	28	9927	20				18.2	19.8	As above.
28	30	9928	17	106.5	1.19	1.82	106.5	106.6	As above.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 35.25.....m. Grade from surface to inferred basement at 36.25..... m..... g SnO₂ / m³ *
 Total recovered volume, surface to basement... 176..... l. at 36.25..... m..... 54.1..... g SnO₂ / m³ +
 Total recovered tin..... 9.92..... g SnO₂

046227

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No.: K 158 Collar Co-ordinates: 51600 mN 77100 mE Drilling Method: REVERSE CIRCULATION

Surface R.L.: 93.51 m Basement R.L.: 73.51 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 23.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * (gSnO ₂ /m ³)	Grade + (gSnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9901	7)	166.3	0.49	0.13		16.13	Sand, clay; trace ilmenite & monazite
2	4	C 9902	4)						" " " " " "
4	6	C 9903	3)						Sand, clay; ilmenite, monazite
6	8	C 9904	5)						Sand, clay, heavy drift; ilmenite, monazite
8	10	C 9905	6)						" " " " " "
10	12	C 9906	11)						Sand, clay, heavy drift; ilmenite, monazite & pyrite
12	14	C 9907	9)						" " " " " "
14	16	C 9908	14)						Sand, clay, heavy drift, tr. birds eye wash; ilm., mon.
16	18	C 9909	14)						" " " " " "
18	20	C 9910	15	131.5	0.35	0.66		43.02	" " " " " "
20	22	C 9911	8	146.1	0.18	0.38		47.3	Granite; ilmenite, monazite
22	24	C 9912	6	123.7	0.17	0.3		36.92	Granite; pyrite
24	26	C 9913	5	126.8	0.2	0.37		45.41	Decomposed granite, pyrite; ilmenite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 20 m. Grade from surface to inferred basement at 20 m 31.85 g SnO₂ / m³ *
 Total recovered volume, surface to basement 88 l. at 20 m 31.85 g SnO₂ / m³ +
 Total recovered tin g SnO₂

046229

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No.: K 157 Collar Co-ordinates: 51600 mN 77300 mE Drilling Method: REVERSE CIRCULATION

WALLIS DRILLING CO.

Surface R.L.: 97.83 m Basement R.L.: 58.83 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 22.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9890	10)					4	Top soil, sand, yellow clay; trace monazite
2	4	C 9891	7)	123.9	0.07	0.03		4	Sand, clay; ilmenite, monazite
4	6	C 9892	3)					4	Sand, heavy drift; pyrite, ilmenite
6	8	C 9893	8)					4	Sand, brown clay; pyrite, ilmenite
8	10	C 9894	5	90.2	0.09	0.11		14	Sand, brown clay, decomposed granite; pyrite, ilm.
10	12	C 9895	4	147.2	0.08	0.16		20	Decomposed granite; pyrite, ilmenite
12	14	C 9896	7	109.8	0.11	0.17		20	" " " "
14	16	C 9897	4	154.7	0.1	0.21		26	" " " "
16	18	C 9898	4	154.8	0.1	0.23		28	" " " "
18	20	C 9899	3	158.2	0.08	0.18		23	" " " "
20	22	C 9900	3	111.5	0.12	0.2		24	" " " "
Hole drilled to 36 m to ensure no false bottom									

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 9 m. Grade from surface to inferred basement at 10 m 31 g SnO₂ / m³ *
 Total recovered volume, surface to basement 33 l. at 10 m 34 g SnO₂ / m³ +
 Total recovered tin 1.29 g SnO₂

046230

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 156 Collar Co-ordinates: 51800 mN 77300 mE Drilling Method: REVERSE CIRCULATION

WALLIS DRILLING CO.

Surface R.L.: 87.23 m Basement R.L.: 53.23 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 22.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore B. Shean Geologist: A. Fleming

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To									
0	2		C 9869	5					6	Sand, brown cement, trace fine tin; ilmenite
2	4		C 9870	4					6	Sand, cement, clay; trace monazite & ilmenite
4	6		C 9871	7					6	Sand, heavy drift; monazite & ilmenite
6	8		C 9872	6					6	Sand, clay, drift; monazite & ilmenite
8	10		C 8973	7					6	Sand, clay; trace ilmenite & monazite
10	12		C 8974	11					6	Sand, clay, drift; trace ilmenite & monazite
12	14		C 8975	10	119.1	0.42	0.04		6	Sand, organic silt, heavy drift; ilmenite & monazite
14	16		C 8976	11					6	Sand, organic silt, white clay; ilmenite, monazite
16	18		C 8977	19					6	Sand, heavy drift, clay; trace ilmenite & monazite
18	20		C 8978	21					6	Sand, heavy drift, wood; ilmenite & monazite
20	22		C 8979	9					6	Sand, organic silt, drift, py. lumps; py., mona.
22	24		C 8980	3					6	Sand, pyrite lumps, organic silt; pyrite
24	26		C 8981	3					6	Sand, organic silt, clay; trace ilmenite & pyrite
26	28		C 8982	5					6	Sand, organic silt, clay; pyrite
28	30		C 8983	7					6	Silty sand, abundant br. clay; ilmenite, pyrite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 34 m Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement l at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 155 Collar Co-ordinates: 51800 mN 77400 mE Drilling Method: REVERSE CIRCULATION

Surface R.L.: 91.65 m Basement R.L.: 54.65 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 21.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore Geologist: A. Fleming

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * (gSnO ₂ /m ³)	Grade + (gSnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9848	10						Sand, clay; trace very fine tin, ilmenite
2	4	C 9849	10	174.3	0.63	0.09		11	Sand, white clay; monazite
4	6	C 9850	9						Sand, clay; trace ilmenite & monazite
6	8	C 9851	8						" " " " " "
8	10	C 9852	6						Sand, organic silt, clay; pyrite
10	12	C 9853	9						Sand, organic silt, wood; pyrite
12	14	C 9854	12						Coarse and fine sand, organic silt, wood; pyrite
14	16	C 9855	13						Sand, clay; pyrite, ilmenite
16	18	C 9856	15						Sand, heavy drift, clay; ilmenite, monazite
18	20	C 9857	16						Sand, organic silt, drift; ilmenite, monazite, pyrite
20	22	C 9858	5						Coarse and fine sand, clay; pyrite
22	24	C 9859	10						Sand, clay; trace pyrite and ilmenite
24	26	C 9860	8						Sand, brown clay; trace pyrite and ilmenite
26	28	C 9861	9						Sand, clay, drift; pyrite & ilmenite
28	30	C 9862	9						" " " " " "

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 37 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

046233

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 154 Collar Co-ordinates: 52200 mN 77400 mE Drilling Method: REVERSE CIRCULATION
 (Redrill of K 110) WALLIS DRILLING CO.

Surface R.L.: 92.49 m Basement R.L.: 51.79 m Cutting Shoe / Bit diameter: 80 mm Theoretical Volume: 10.1 litres

Date: 21.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9825	5	)					Sand, brown clay; trace very fine tin & monazite
2	4	C 9826	14	)					Sand, brown clay; ilmenite & monazite
4	6	C 9827	11	)					Sand, brown clay; trace tin, ilmenite & monazite
6	8	C 9828	7	)	147.8	0.77	1.63		Sand, clay; ilmenite, monazite
8	10	C 9829	8)					" " " "
10	12	C 9830	8	)					Clay, coarse & fine sand; ilmenite & monazite
12	14	C 9831	7	)					Sand, clay; ilmenite & monazite
14	16	C 9832	6	)					Sand, clay; ilmenite & monazite
16	18	C 9833	7	)					Sand, organic silt, wood; monazite, ilmenite
18	20	C 9834	7	)					Sand, clay, heavy drift, organic silt; pyrite & ilm.
20	22	C 9835	7	)					Sand, clay, drift; pyrite & ilmenite
22	24	C 9836	6	)					Sand, clay; ilmenite & monazite
24	26	C 9837	11)					" " " "
26	28	C 9838	6	)					Sand, clay; trace ilmenite & monazite
28	30	C 9839	7	)					Sand, white clay; ilmenite & monazite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 41 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

046235

Dwg. no.: P 136 / 64

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AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 153 Collar Co-ordinates: 52550 mN 77000 mE Drilling Method: REVERSE CIRCULATION
 (Check hole at K 81) WALLIS DRILLING CO.

Surface R.L.: 91.06 m Basement R.L.: 46.06 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 20.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean S. Moore Geologist: A. Fleming

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample	
From	To										
30	32		C 9816	12	)			18	18	Sand, heavy drift, clay; ilmenite & monazite
32	34		C 9817	21	)	7 bulked samples		18	18	Sand, silty clay, small wash; pyrite & ilmenite
34	36		C 9818	10)	173.6	0.74	1.84	18	18	Sand, wash, clay; pyrite, ilmenite
36	38		C 9819	21	)			18	18	Sand, wash, heavy drift; pyrite, ilmenite
38	40		C 9820	8	)			18	18	Sand, clay, wash; pyrite, ilmenite
40	42		C 9821	11		119.2	16.26	27.69	2517	2517	Sand, birds eye wash; abundant tin & ilmenite
42	44		C 9822	13		102.1	56.23	82.02	6309	6309	Sand, drift, birds eye wash; abundant tin & ilmenite
44	46		C 9823	4		90.7	6.14	7.96	1990	921	Sand, drift, minor small wash; tin, ilmenite
46	48		C 9824	6		95.9	3.84	5.26	877	651	Decomposed granite; trace tin, ilmenite, pyrite
Check sample-bearing material											
44	45			6		96.3					

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 45 m. Grade from surface to inferred basement at 46 m 338 g SnO₂ / m³ *
 Total recovered volume, surface to basement 223 l. at 46 m 465 g SnO₂ / m³ +
 Total recovered tin 125.92 g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No.: K 152 Collar Co-ordinates: 52200 mN 77000 mE Drilling Method: REVERSE CIRCULATION
WALLIS DRILLING CO.

Surface R.L.: 94.51 m Basement R.L.: Not Reached m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 20.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean Geologist: A. Fleming

Section Metres		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	C 9780	5	121.2	0.12	0.21	42	24	Top soil, sand; trace monazite
2	4	C 9781	6	77.2	0.12	0.13	22	13	Sand; trace monazite
4	6	C 9782	3	97	0.09	0.13	43	15	Sand, clay, heavy drift; trace monazite
6	8	C 9783	9	100.4	0.2	0.23	26	27	Sand; monazite, ilmenite
8	10	C 9784	7	118	0.05	0.08	11	9	Sand, clay; monazite, ilmenite
10	12	C 9785	5	113.9	0.13	0.002	0.4	0.2	Sand, wood, organic silt; pyrite
12	14	C 9786	4	86.6	0.07	0.09	23	10	" " " " "
14	16	C 9787	6	113.9	0.02	0.03	5	3	Sand, pyrite, heavy drift, wood, small wash; abundant pyrite
16	18	C 9788	10	114.4	0.2	0.33	33	37	Sand, wood, organic silt, py. lumps; py., ilmenite
18	20	C 9789	6	47	0.09	0.06	10	7	Sand, organic silt, clay; trace ilmenite, pyrite
20	22	C 9790	11	98.8	0.38	0.54	49	49	Sand, organic silt, pyrite, ilmenite
22	24	C 9791	18	111.9	0.14	0.22	12	12	Sand, clay, drift, wash; ilmenite, monazite
24	26	C 9792	8	107.9	0.08	0.12	15	14	Sand, clay; ilmenite, monazite
26	28	C 9793	6	76.5	0.19	0.21	42	24	Sand, clay, heavy drift; trace ilmenite, monazite
28	30	C 9794	21	85.3	0.06	0.07	3	3	Sand, clay; ilmenite, monazite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at Not Reached Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

046239

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 151 Collar Co-ordinates: 52200 mN 77400 mE Drilling Method: REVERSE CIRCULATION
 (Check hole at K 110) WALLIS DRILLING CO.

Surface R.L.: 92.49 m Basement R.L.: 50.49 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 19.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ / m ³)	Grade + (g SnO ₂ / m ³)	Description of Sample
From	To								
0	2	C 9756	4	102.5	0.55	0.8	200	93	Sand, brown cement; trace tin & ilmenite
2	4	C 9757	12	139.5	0.79	1.55	129	129	Sand, clay; trace monazite & ilmenite
4	6	C 9758	11				2	3	" " " " " "
6	8	C 9759	10				2	3	Clay, no heavy minerals
8	10	C 9760	12				2	3	Clay, trace sand, no heavy minerals
10	12	C 9761	10				2	3	Sand, clay; ilmenite, monazite
12	14	C 9762	12				2	3	Clay, sand; trace ilmenite & monazite
14	16	C 9763	8	16 bulked samples			2	3	Sand, clay; monazite & ilmenite
16	18	C 9764	5	Total volume 148 l			2	3	Coarse & fine sand, organic silt; ilmenite & pyrite
18	20	C 9765	8				2	3	Coarse & fine sand, organic silt; ilmenite & pyrite
20	22	C 9766	3				2	3	Sand, heavy drift; pyrite
22	24	C 9767	11				2	3	Sand, white clay, drift; ilmenite & monazite
24	26	C 9768	9				2	3	" " " " " "
26	28	C 9769	10				2	3	Sand, white clay; ilmenite & monazite
28	30	C 9770	13				2	3	Sand, drift, clay; ilmenite & monazite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin. Rad F = 80%
 Drillers reported basement at 41 m. Grade from surface to inferred basement at 42 m. 1735 g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 150 Collar Co-ordinates: 52000 mN 77300 mE Drilling Method: REVERSE CIRCULATION
 (Check hole at K 111) WALLIS DRILLING CO.

Surface R.L.: 98.19 m Basement R.L.: 47.19 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 18.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore Geologist: A. Fleming

Section		Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9701	6	90.3	0.31	0.40	66.7	46	Coarse & fine sand, heavy drift; tr. fine tin, mon.
2	4	C 9702	7	75.5	0.23	0.25	35	29	Coarse & fine sand, white sandy clay; fine tin, mon.
4	6	C 9703	10	89.9	0.21	0.27	19	31	Coarse & fine sand, yellow clay; ilmenite, monazite
6	8	C 9704	4						
8	10	C 9705	10	Bulked 8-40 m, 16 samples		8	13	Coarse & fine sand, white clay; ilmenite	
10	12	C 9706	7	159	0.8	1.82	8	13	White sandy clay; trace tin and ilmenite
12	14	C 9707	10				8	13	Trace tin, ilmenite and monazite; coarse & fine sand, sdy clay, heavy drift
14	16	C 9708	10				8	13	Coarse & fine sand, white clay; ilmenite & monazite
16	18	C 9709	10				8	13	Coarse & fine sand, white clay; ilmenite & monazite
18	20.5	C 9710	11				8	13	Brown clay; monazite & ilmenite
20.5	22	C 9711	4				8	13	Sand, clay, organic silt; monazite & ilmenite
22	24	C 9712	18				8	13	Sand, clay, organic, silt; monazite, ilmenite, pyrite
24	26	C 9713	14				8	13	Sand, clay, organic silt; monazite & ilmenite
26	28	C 9714	16				8	13	Sand, clay; monazite & ilmenite
28	30	C 9715	17				8	13	Sand, brown clay, wood; ilmenite, monazite & pyrite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad F = 80%
 Drillers reported basement at 51 m Grade from surface to inferred basement at 52 m 317 g SnO₂ / m³ *
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 150 Collar Co-ordinates: 52000 mN 77300 mE Drilling Method: REVERSE CIRCULATION
 (Check hole at K 111) WALLIS DRILLING CO.

Surface R.L.: 98.19 m Basement R.L.: 47.19 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 18.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: S. Moore Geologist: A. Fleming

Section	Metres	Sample No	Recovered Volume (l)	Weight Conc (g)	Conc Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
30	32	C 9716	18				8	13	Coarse & fine sand, brown clay, drift; mon., ilmenite
32	34	C 9717	28				8	13	" " " " " " " "
34	36	C 9718	14				8	13	Coarse & fine sand, org. silt, wood; ilmen., mon.
36	38	C 9719	15				8	13	White clay, no heavy minerals
38	40	C 9720	13				8	13	Brown clay, no heavy minerals
40	42	C 9721	22	94.5	1.46	1.97	90	90	Coarse & fine sand, heavy drift, small wash; tin, ilmenite, monazite
42	44	C 9722	22	113.1	12.72	20.55	934	934	Coarse & fine sand, white clay; tin and ilmenite
44	46	C 9723	24	81.8	2.16	2.52	105	106	Coarse & fine sand, birds eye wash, drift, clay; tin & ilmenite
46	48	C 9724	8	138.1	16.7	32.95	4118	3813	Coarse & fine sand, birds eye wash, drift, clay; abundant tin and ilmenite
48	50	C 9725	15	119.9	17.64	30.21	2014	2014	Coarse & fine sand, birds eye wash, drift, clay; abundant tin and ilmenite
50	52	C 9726	10	120.7	2.76	4.76	475.9	551	Coarse & fine sand, granite; tin & ilmenite
52	54	C 9727	10	117.6	0.85	1.43	142.8	166	Decomposed granite; trace tin & ilmenite
54	56	C 9728	11	95.5	0.73	1.00	90.54	91	" " " " " "

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad F = 80%
 Drillers reported basement at 51 m Grade from surface to inferred basement at 52 m 317 g SnO₂/m³ *
 Total recovered volume surface to basement at 52 m 343 l at 52 m 313 g SnO₂/m³ +
 Total recovered tin 98.13 g SnO₂

98.13 g SnO₂ from 343 l = 286 g SnO₂/m³

046244

Dwg no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 150 Collar Co-ordinates: 52000 mN 77300 mE Drilling Method: REVERSE CIRCULATION
(Redrill) (Check hole at K 111) WALLIS DRILLING CO.

Surface R.L.: 98.19 m Basement R.L. 47.19 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 18.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
0	2	C 9729	4	119.3	0.26	0.44	111	51	Black soil, coarse & fine sand; fine tin & monazite
2	4	C 9730	7	119.1	0.08	0.19	28	22	Coarse & fine sand, yellow clay; tr. fine tin & mon.
4	6	C 9731	7	98.7	0.14	0.20	18	12	Sand, clay; trace monazite
6	8	C 7932	4				18	12	Sand, clay; trace monazite & ilmenite
8	10	C 7933	6				7	8	Sand, silt; ilmenite & monazite
10	12	C 7934	6				7	8	Sand, heavy drift, clay; ilmenite & monazite
12	14	C 7935	6				7	8	Sand; trace ilmenite
14	16	C 7936	6				7	8	Sand, heavy drift; ilmenite & trace monazite
16	18	C 7937	9				7	8	Coarse & fine sand, clay; ilmenite & monazite
18	20	C 7938	8				7	8	Sand, clay, heavy drift; ilmenite & monazite
20	22	C 7939	10				7	8	Sand, brown clay; ilmenite
22	24	C 7940	7				7	8	" " " "
24	26	C 7941	8				7	8	Coarse & fine sand, organic silt; ilmenite, pyrite
26	28	C 7942	12				7	8	Sand, drift, organic silt, clay; ilmenite & monazite
28	30	C 7943	16				7	8	Sand, clay; ilmenite & monazite

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating factor'd theoretical volume to recovered tin Rad.F = 20%
 Drillers reported basement at 51 m. Grade from surface to inferred basement at m g SnO₂ / m³ +
 Total recovered volume, surface to basement l. at m g SnO₂ / m³ +
 Total recovered tin g SnO₂

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: PIONEER Hole No: K 150 Collar Co-ordinates: 52000 mN 77300 mE Drilling Method: REVERSE CIRCULATION
 (Redrill) (Check hole at K 111) WALLIS DRILLING CO.

Surface R.L. 98.19 m Basement R.L. 47.19 m Cutting Shoe / Bit diameter: 83 mm Theoretical Volume: 10.8 litres

Date: 18.1.80 Driller: A. Cameron Assistant: T. King Sample Washer: B. Shean Geologist: A. Fleming

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * (g SnO ₂ /m ³)	Grade + (g SnO ₂ /m ³)	Description of Sample
From	To								
30	32	C 9744	12				7	8	Sand, clay, drift; ilmenite
32	34	C 9745	13	Bulked 8-40 m			7	8	" " " "
34	36	C 9746	9	157.3	0.47	1.06	7	8	Sand, wood, organic silt; ilmenite & pyrite
36	38	C 9747	14				7	8	Clay, no heavy minerals
38	40	C 9748	8				7	8	" " " "
40	42	C 9749	9	117.9	0.23	0.39	43	45	Sand, clay, heavy drift, birds eye wash; mon. & ilm.
42	44	C 9750	19	90.1	1.1	1.42	83	83	Coarse & fine sand, white clay; trace tin, mon. & ilm.
44	46	C 9751	30	106.1	3.5	5.31	177	177	Sand, birds eye wash; trace tin & ilmenite
46	48	C 9752	12	138.9	37.1	73.62	6134	6134	Sand, clay, birds eye wash, heavy drift; abundant tin & ilmenite
48	50	C 9753	14	121.2	12.05	20.86	1490	1490	Sand, birds eye wash; abundant tin & ilmenite
50	52	C 9754	5	107.2	0.48	0.74	147	86	Decomposed granite; trace tin & ilmenite
52	54	C 9755	5	140.0	0.20	0.40	80.0	46	" " " " " "

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad F = 80%
 Drillers reported basement at 51 m. Grade from surface to inferred basement at 52 m 325 g SnO₂ / m³ *
 Total recovered volume, surface to basement at 52 m, 261 l at 52 m 319 g SnO₂ / m³ +
 Total recovered tin 104.63 g SnO₂

104.63 g SnO₂ from 261 l = 401 g SnO₂/m³

046246



App 7 .

Riverside Drilling

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area Riverside Hole No: R.P.13 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L. 101.68 m Basement R.L. 97.68 m Cutting Shoe / Bit diameter: 16.02 cm Theoretical Volume: 40.3 litres

Date: 4-3-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO2)	Grade * gSnO2/m ³	Grade + gSnO2/m ³	Description of Sample
From 0	To 2	4101	29.4	15.53	12.0	2.66	91	83	Yellow & grey clay, coarse & fine sand, Tin, gold & blackjack.
2	4	4102	36.7*	13.02	8.9	1.66	45	51	Grey & yellow clay, c&f sand, med. wash, Granite. small amount of tin, blackjack.
4	5	4103	13.7*	8.72	3.2	0.40	29	25	Decomposed granite, Trace of tin, ilminite & pyrite.
5	6	4104	18.9*	13.42	0.72	0.14	7	7	Decomposed granite, ilminite & pyrite.
6	7	4105	34.3*	24.80	0.20	0.07	2	2	As above.
					%Au.	gAu/m ³			
0	2	4101	29.4	15.53	.00053	82x10 ⁻⁶	0.0028		
2	4	4102	36.7*	13.02	.00035	45 "	0.0012		
4	5	4103	13.7*	8.72	.00058	51 "	0.0037		
5	6	4104	18.9*	13.42	.00001	1 "	0.00006		
6	7	4105	34.3*	24.80	.00005	11 "	0.0003		
					Gold - grade - 0.0030 gAu/m ³ = 3000 x 10 ⁻⁶ gAu/m ³ .				

FOX ASSAY

*Denotes sample settled to remove all suspended silt and clay prior to measuring the recovered volume.

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

Drillers reported basement at 4 m. Grade from surface to inferred basement at 4 m 78 g SnO₂ / m³ *

Total recovered volume, surface to basement 66.1 l. at 4 m 76 g SnO₂ / m³ +

Total recovered tin 4.03 gSnO₂ at 4 m 75 g SnO₂ / m³ *

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P.12 Collar Co-ordinates: - mN - mE Drilling Method: Percussion

Surface R.L.: 110.56 m Basement R.L.: 102.76 m Cutting Shoe / Bit diameter: 16.02 cm Theoretical Volume: 40.3 litres

Date: 28-2-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	2	7891	32.2	40.78	23.7	13.81	428	428	Coarse & fine sand, yellow & grey clay, small wash, brown cement. Tin, Gold & blackjack.
2	4	7892	30.6*	11.92	20.3	3.46	113	107	Yellow & grey clay, coarse & fine sand, Tin blackjack & gold.
4	6	7893	22.6*	11.26	7.0	1.13	50	35	grey clay, c&f sand, small & med. wash. Trace of tin & ilminite.
6	8	7894	29.4*	59.01	28.9	24.36	829	756	C&F sand, large shingle wash. granite. Tin, gold blackjack.
8	9	7895	12.5*	17.15	1.49	0.37	29	23	Decomposed granite. Trace of tin & ilminite.
9	10	7896	14.1*	36.60	0.25	0.13	9	8	Decomposed granite, Pyrite & ilminite.
10	11	7897	33.9*	49.67	BLD	-	-	-	Decomposed granite, Pyrite.
0	2	7891	32.2	40.78	0.00238 %	970x10 ⁻⁶	0.030140		
2	4	7892	30.6*	11.92	0.00025	29 "	0.00097		
4	6	7893	22.6*	11.26	0.00169	190 "	0.0084		Gold - grade shown in gAu/m ³
6	8	7894	29.4*	59.01	0.00209	1230 "	0.0419		Grade - surface to inferred basement = 0.021gAu/
8	9	7895	12.5*	17.15	0.00006	10 "	0.00082		= 21000x10 ⁻⁶ gAu
9	10	7896	14.1*	36.60	0.00003	11 "	0.0008		
10	11	7897	33.9*	49.67	0.00002	9 "	0.00026		

* Denotes sample settled to remove all suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F=80%
 Drillers reported basement at 7.80 m. Grade from surface to inferred basement at 7.8 m 369 g SnO₂/m³ *
 Total recovered volume, surface to basement 124.8 l. at 7.8 m 344 g SnO₂/m³ *
 Total recovered tin 43.26 g SnO₂ at 7.8 m 341 g SnO₂/m³ *

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P.11 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 103.80 m Basement R.L.: 95.2 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 4-2-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	2	7819	29.0	34.86	16.00	7.97	275	247	Sand, yellow clay, small wash, brown cemen
		Gold			BLD				Tin, Gold, Blackjack.
2	4	7820	28.6	7.71	12.77	1.41	49	44	Yellow & grey clay, miner sand, shingle wash.
		GOLD			BLD				Tin & blackjack.
4	6	7821	40.3*	37.29	16.30	8.69	215	215	Sand, large shingle wash.
		Gold			2.33	86.9x10 ⁻⁶	2155x10 ⁻⁶		Tin, Gold & blackjack.
6	8	7822	35.1*	90.08	23.60	30.37	865	943	Sand, shingle wash, yellow clay.
		Gold			0.32	29x10 ⁻⁶	821x10 ⁻⁶		Large amount of tin, gold, blackjack.
8	9	7823	7.3*	4.81	13.21	0.91	124	56	Sand, shingle wash, decomposed granite.
		Gold			BLD				Tin & blackjack.
9	10	7824	9.3*	5.61	2.21	0.18	19	11	Decomposed granite.
		Gold			BLD				Trace of tin, pyrite, ilminite.
10	11	7825	20.9*	7.32	3.35	0.35	17	17	Decomposed granite.
		Gold			BLD				Pyrite, trace of tin, minor ilminite, monozite.
Assayed by Fox Lab. - Gold grade-		0.0007	g Au/m ³ =		692x10 ⁻⁶	g AU/m ³			

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad F = 80%
 Drillers reported basement at 8.6 m. Grade from surface to inferred basement at m g SnO₂/m³ *
 Total recovered volume, surface to basement 135.3 l. at 8.6 m 346 g SnO₂/m³ *
 Total recovered tin 49.88 g SnO₂ at 8.6 m 369 g SnO₂/m³ *

046250

Dwg. no. : P 136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P.10 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 104.19 m Basement R.L.: 96.39 m Cutting Shoe / Bit diameter: 16.03 Theoretical Volume: 40.3 litres

Date: 31-1-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To									
0	2		7812	23*	15.51	16.70	3.70	161	115	Large amount of yellow clay, sand, brown cement.
			Gold			7.28	113x10 ⁻⁶	4909x10 ⁻⁶		Tin, blackjack.
2	4		7813	36.3*	12.23	10.44	1.82	50	57	Grey and yellow clay, sand, large shingle wash.
			Gold			3.68	45x10 ⁻⁶	1230x10 ⁻⁶		Tin, gold, ilminite, blackjack.
4	6		7814	45.1*	20.71	12.33	3.65	81	81	Sand, large shingle wash, decomposed granite.
			Gold			1.55	32x10 ⁻⁶	710x10 ⁻⁶		Tin, gold, ilminite, blackjack.
6	8		7815	66.5*	14.70	9.84	2.07	31	31	Decomposed granite, large shingle wash, sand,
			Gold			5.89	86x10 ⁻⁶	1302x10 ⁻⁶		Tin, ilminite, blackjack.
8	9		7816	9.3	6.81	1.92	0.19	20	12	Decomposed granite.
			Gold			BLD	-			Trace of pyrite and ilminite.
9	10		7817	18.5*	8.14	0.28	0.03	2	2	As above.
			Gold			BLD	-			
10	11		7818	14.1*	10.45	0.42	0.06	4	4	As above.
			Gold			0.06	.6x10 ⁻⁶	44x10 ⁻⁶		
Assayed by Fox Lab.										Gold grade = .001 g AU /m ³ = 1047x10 ⁻⁶ g AU/m ³

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F=80%
 Drillers reported basement at 7.8 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 164.2 l. at 7.8 m 75 g SnO₂ / m³ +
 Total recovered tin 1.52 g SnO₂ at 7.8 m 70 g SnO₂ / m³

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No. R.P.9 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 99.70 m Basement R.L.: 94.20 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 29-1-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	7806	24.2	16.3	23.6	5.50		170.5	Sand, yellow & white clay, brown cement, small wash, Tin, gold, blackjack.
				0.11ppm		1.7x10 ⁻⁶	74x10 ⁻⁶		
2	4	7807	30.2*	23.14	21.2	7.01		217.4	Sand, white & yellow clay, large shingle wash. Tin & gold.
				1.08ppm		24x10 ⁻⁶	828x10 ⁻⁶		
4	6	7808	23*	12.93	22.0	4.06		126.0	Sand, yellow & grey clay, large wash, Decomposed granite, Tin, gold, blackjack.
				3.42ppm		42x10 ⁻⁶	1922x10 ⁻⁶		
6	7	7809	19.3	11.33	0.6			6.0	Decomposed granite. Ilminite, Pyrite.
7	8	7810	21	8.53	0.16	0.02		1.0	As above.
8	9	7811	21.9	21.9	0.09	0.03		2.0	Decomposed granite, Pyrite.
									Gold - grade= .001 g AU/m ³
									= 1026 x10 ⁻⁶ g AU/m ³
*Denotes sample settled to remove suspended silt and clay prior to measuring the redovered volume.									
6	9	No Gold detected by assay method - FOX ASSAY.							

* Grade calculated by relating recovered volume to recovered tin + Grade 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 at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 71.7 l. at 5.5 m 188.5 g SnO₂ / m³ *
 Total recovered tin 16.72 g SnO₂ at 5.5 m 233.5 g SnO₂ / m³ *

046252

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P. 8 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 97.92 m Basement R.L.: 93.92 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 29-1-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ / m ³	Grade + g SnO ₂ / m ³	Description of Sample
From	To								
0	2	7801	36.3	13.64	15.1	2.94	91.3	Sand, yellow and grey clay, small wash. Tin, Gold, blackjack.	
2	4	7802	31.8	5.49	16.8	1.32	40.9	Sand, large wash, white clay., granite, tin, gold & blackjack.	
4	5	7803	21.4	7.03	3.07	0.31	14.4	Decomposed granite, Ilminite & pyrite.	
5	6	7804	25.4	15.95	0.23	0.05	2.1	Decomposed granite. Pyrite.	
6	7	7805	23.8	15.91	0.06	0.01	0.6	As above.	
Gold									
0	2	7801	36.3	13.64	42.9ppm	585x10 ⁻⁶	16120x10 ⁻⁶	Gold- grade- 0.0126 g AU/m ³	
2	4	7802	31.8	5.49	51.9ppm	285x10 ⁻⁶	8960x10 ⁻⁶	12600 x 10 ⁻⁶ g AU/m ³	
4	5	7803	21.4	7.03	0.95ppm	6.6x10 ⁻⁶	312x10 ⁻⁶		
5	7	No Gold detected.							
FOX ASSAY									

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 4 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 68.1 l. at 4 m 70.4 g SnO₂ / m³ +
 Total recovered tin 4.63 g SnO₂ at 4 m 68.0 g SnO₂ / m³ *

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P.7 Collar Co-ordinates: mN mE Drilling Method: Percussion

92.68

Surface R.L.: 98.48 m Basement R.L.: m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 25-1-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section		Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample	
From	To										
0	2		7795	20.2*	7.28	13.2	1.37		42.6	Coarse & fine sand, yellow clay.	
Gold						3.87 ppm	28x10 ⁻⁶	1394x10 ⁻⁶		Tin, Gold & blackjack.	
2	4		7796	17.3*	21.59	18.8	5.80		180.0	Coarse & fine sand, yellow and grey clay.	
Gold						0.16 ppm	3.4x10 ⁻⁶	196x10 ⁻⁶		large wash. Tin Gold, blackjack.	
4	6		7797	24.6*	14.92	19.7	4.20		130.0	Coarse & fine sand, yellow clay,	
Gold						2.97 ppm	44x10 ⁻⁶	1800x10 ⁻⁶		large wash. Decomposed granite. Tin & blackjack.	
6	7		7798	21*	28.37	1.57	0.64		30.3	Decomposed granite. Trace of tin.	
										Ilminite & pyrite.	
7	8		7799	21.7*	7.58	0.22	0.02		1.1	Decomposed granite. Pyrite & ilminite.	
8	9		7800	35.9*	10.68	0.24	0.04		1.0	As above.	
6	9		No gold detected by assay method - FOX ASSAY.								Gold grade = .0012 g/m ³ = 1169x10 ⁻⁶ g/m ³

*Denotes sample settled to remove suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80%
 Drillers reported basement at 5.80 m. Grade from surface to inferred basement at 5.8 m g SnO₂ / m³ *
 Total recovered volume, surface to basement 59.6 l. at 5.8 m 127.1 g SnO₂ / m³ +
 Total recovered tin 12.97 g SnO₂ at 5.8 m 202.3 g SnO₂ / m³ *

046254

Dwg. no. : P 136 / 64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P.6 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 99.53 m. Basement R.L.: 95.33 m Cutting Shoe / Bit diameter: 16.03 cm Theoretical Volume: 40.3 litres

Date: 22-1-80 Driller: G. Selby Assistant: W. Medd Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (g SnO ₂)	Grade * g SnO ₂ /m ³	Grade + g SnO ₂ /m ³	Description of Sample
From	To								
0	2	7790	22.2	144.94	2.01	4.16		129.1	Sand, shingle wash, yellow and grey clay. Tin & blackjack.
2	4	7791	20.6*	112.11	2.52	4.03		125.2	Sand, shingle wash, decomposed granite.
	Gold				0.000147	165x10 ⁻⁶	8000x10 ⁻⁶		Tin, blackjack, ilminite.
4	5	7792	12.9*	31.10	0.47	0.21		13.0	Decomposed granite, Ilminite, pyrite.
5	6	7793	21*	24.22	0.21	0.07		44	As above.
6	7	7794	25.8*	37.44	0.07	0.04		2.3	As above.
									Gold - grade = .0038 g/m ³
									= 3809 x 10 ⁻⁶ g/m ³
FOX ASSAY									
0	2	No gold detected by assay method.							
4	7								

*Denotes sample settled to remove suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 80
 Drillers reported basement at 4.2 m. Grade from surface to inferred basement at m g SnO₂ / m³ *
 Total recovered volume, surface to basement 45.3 l. at 4.2 m 125.8 g SnO₂ / m³ +
 Total recovered tin 8.54 g SnO₂ at 4.2 m 187.5 g SnO₂ / m³

046255

Dwg. no. : P136/64

AMDEX MINING LIMITED - NORTH EAST TASMANIA DRILL LOG

Area: Riverside Hole No.: R.P. 4 Collar Co-ordinates: mN mE Drilling Method: Percussion

Surface R.L.: 97.54 m Basement R.L.: 92.54 m Cutting Shoe / Bit diameter: 16.03 cm. Theoretical Volume: 40.3 litres

Date: 12-1-80 Driller: G. Selby Assistant: M. Terry Sample Washer: S. Moore Geologist: R. Munro

Section	Metres	Sample No.	Recovered Volume (l)	Weight Conc. (g)	Conc. Assay (%Sn)	Recovered Tin (gSnO ₂)	Grade * gSnO ₂ /m ³	Grade + gSnO ₂ /m ³	Description of Sample
From	To								
0	2	7779	24.2*	113.4	0.86	1.40		43.2	Black topsoil, large amount of yellow and grey c A little sand, Tin, blackjack.
2	4	7780	31.4*	109.4	1.51	2.36		73.2	Coarse and fine sand, med. wash, yellow and white clay. Tin, blackjack, ilminite.
4	5	7781	24.6*	99.4	0.91	1.29		52.5	As above, no clay. granite present.
5	6	7782	31.4*	103.7	0.39	0.58		18.4	Decomposed granite, Trace of tin, ilminite, pyrite
6	7	7783	22.2*	100.6	0.10	0.15		6.5	Decomposed granite. ilminite & pyrite.
0	2	7779		113.51	1.02	1.65		51.3	
2	4	7780		109.4	2.24	3.50		108.6	
4	5	7781		99.4	1.38	1.96		79.7	
5	6	7782		103.7	0.56	0.83		26.4	
6	7	7783		100.6	0.06	0.09		3.9	

First set of results relates to assays performed at South Mt. Cameron; Second set of results is based on analysis by Fox-

Laboratories() *Denotes sample settled by removing all suspended silt and clay prior to measuring the recovered volume.

* Grade calculated by relating recovered volume to recovered tin + Grade calculated by relating Radford factored theoretical volume to recovered tin Rad.F = 90%
 Drillers reported basement at 5 m. Grade from surface to inferred basement at 5 m. 62 (86.0) g SnO₂ / m³ *
 Total recovered volume, surface to basement 80.2 l. at 5 m 72 (100.1) g SnO₂ / m³ +
 Total recovered tin 5.73 g SnO₂

(8.03)

046257

Dwg. no. : P 136 / 64

APPENDIX 8

MEMORANDUM

046261

TO : I. SHULMAN cc. A. Fleming
L. Bubenicek
FROM : R. QUIRK S. Everett
RE : RESERVE ESTIMATE AND OBSERVATIONS ON MONARCH TIN MINE
NORTH EAST TASMANIA
DATE : 23RD MAY, 1979

1. The writer has reviewed the pertinent available material concerning the Monarch Mine. A preliminary assessment of the reserves has been made.
2. The current study has reduced an estimate made in May 1974 by one half, although the grade remained approximately the same. The current estimate encountered problems and is considered to be an indicative rather than a final estimate for the following reasons:
 - (a) Much of the drillhole data is in doubt because results as set forth on the plans (BMI X12-22 and X12-54) did not agree with results as set forth on the sections. The results given on the sections agreed with results used in a computer calculation of the drillhole results. Thomas (1974) used the results from the plans, the majority of which were considerably higher than those on the sections and computer print-out. The writer used the sections and accordingly had to discard a lot of holes used by Thomas as well as drastically reducing the overall grade of others, this to the extent of having to approximately halve Thomas' estimate.
 - (b) Drilling is still incomplete in certain areas, such that a satisfactory final estimate is not possible until this is done.
3. The present study does begin to show however that although small high grade areas remain on The Monarch, these are scattered and a contiguous mining operation of any size is unlikely. The cream of the area appears to be mined out. Further drilling may extend some of these areas, particularly "A" Block North to the west, and "A" Block South to the East. In some places depressions or 'gutters' in the bedrock have high

grade concentrations of cassiterite. These show up at hole 765 Section 20 and hole 772 Section 22. Also at hole 27G Section 21, hole 774 Section 22 and hole 1049 Section 24.

4. Summary of Monarch Reserves

<u>Block</u>	<u>Av. Depth</u>	<u>Volume</u> (cubic yards)	<u>Grade</u> (ozes SnO ₂)	<u>Tonnes SnO₂</u>	<u>Sections</u>
D	13.3	59000	11.62	19.5	3-4, BHP
B	33.17	376628	4.15	44.0	8-14
A(Nth)	20.37	411837	4.32	50.4	10-18
A(Sth-W)	7.9	44839	8.70	11.0	15-17
A(Sth-E)	24.18	303145	4.12	35.4	18-24
C	14	229000	10.23	66.4	8-14
		<u>1424449</u>	<u>5.60</u>	<u>266.7</u>	

5. The area is attractive for small to medium sized hydraulic sluicing operations particularly the relatively shallow, higher grade Blocks D, A (Sth-W) and C aggregating approximately 83 tonnes cassiterite.

Mining grade at Monarch has to date proved to be higher than grade determined by drilling, so that actual returns could be appreciably higher than those indicated in the estimate.

6. The lower grade Blocks B, A(Nth) and A(Sth-E) could be considerably upgraded by stripping the top half and reducing the volume to be treated by one half.

R. Quirk
R. Quirk.