81-1578 (1)

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PROJECT NAME: EXPLORATION LICENCE 22/80 TASMANIA

TITLE: SIX MONTHLY PROGRESS REPORT TO DEPARTMENT OF MINES
PERIOD: 28TH FEBRUARY 1981 - 28TH AUGUST 1981

OPEN FILE

AREA NAME/S, STATE 1:250,000 SHEET NO/S & COORDINATES: Cornwall, Fingal; SK 55-4
Launceston; 580 000m E
5 400 000m N

COMMODITY/IES: Gold

TEXT PAGES NO: 14

PLAN NOS: 18 - See Contents Page

TABLE NOS: One

APPENDICES: Four

AUTHOR/S: B McBride

DATE: 13 August 1981

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

001

SOUTH ESK

SIX MONTHLY PROGRESS REPORT TO DEPARTMENT OF MINES

PERIOD 28TH FEBRUARY 1981 - 28TH AUGUST 1981

EXPLORATION LICENCE 22/80 TASMANIA

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APPENDIX II	Details of ground magnetic traverses. Plans TAS-9-5, TAS-9-7, TAS-9-8
APPENDIX III	Geological logs of drill cuttings
APPENDIX IV	Laboratory Result Sheets

PLANS: TAS-9-1, 2, 4, 5, 7, 8, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 and TAS-9-30.

VP VP * * * * * * * * * * * * * * * * * *

* Transparencies held in vertiplan.

SOUTH ESK

SIX MONTHLY PROGRESS REPORT TO DEPARTMENT OF MINES

PERIOD 28TH FEBRUARY 1981 - 28TH AUGUST 1981

EXPLORATION LICENCE 22/80 TASMANIA

1. INTRODUCTION

Since this is the first six monthly report to the Department of Mines under the new "Guidelines for Reporting on Exploration Licences and Special Prospecting Licences" for Exploration Licence 22/80 all of the work carried out since the licence was granted on 28th August 1980 to the end of its present six month period i.e. to 28th August 1981 has been summarised herein. For further details of that work the reader is referred to the previously submitted Monthly Progress Reports.

Details of all data gathered to 28th August 1981 are included in the four (4) accompanying Appendices. These data are also summarised on the plans and sections attached hereto. Transparencies are enclosed under separate cover.

...2.

2. OBJECTIVE

The objective in applying for the licence was to explore the South Esk River valley for placer gold deposits. This was based on the following hypothesis:-

a) Gold occurs upstream in widespread quartz veins and blows or in disseminated form in country rock.

b) There is abundant evidence in north-east Tasmania of a fairly long period(s) of deep secular chemical and mechanical weathering on a surface(s) of submature to mature topography during which time(s) the gold is set free from its hosts. One has only to travel east from Fingal on the St Marys road for about 4 km and turn around and observe the skyline from the north to the south-east sector. At least three of these surfaces can be seen quite plainly.

c) There is evidence to suggest that during the early Tertiary these surfaces and the then drainage pattern were disrupted by periodic downwarp and stream capture which resulted in the present topography and drainage system.

d) Certain parts of this subsequent drainage system should be prospective for placers. The South Esk valley was considered to be one of these target areas.

3. TENEMENT

Exploration Licence 22/80 was granted to Australian Anglo American Services Limited, nominee of Australian Anglo American Searches Limited, for a period of six (6) months to 28th February 1981. It was then renewed in whole in the name of Australian Anglo American Searches Limited for a further period of six (6) months to 28th August 1981.

It encompasses 258 square kilometres of land in the Land District of Cornwall, vicinity of Fingal.

The area is described as commencing at the Posted Notice situate at the south-west angle of the area whose grid co-ordinates are 577 000 metres E, 5 390 200 metres N, thence grid north to 5 410 000 metres N, grid east to 590 000 metres E, grid south to 5 390 200 metres N aforesaid thence grid west to the point of commencement.

Plan TAS-9-4 shows the location of the licence.

...4.

4. WORK ACCOMPLISHED

Since the licence was granted in August 1980 the following work has been undertaken:-

a) Photogeological interpretation over the South Esk River valley within EL 22/80 using (nominal) 1:42,000 scale black and white aerial photography (Project F596, 1979); the area is also partly covered by 1:15,000 scale black and white photographs.

This work was carried out by company photogeologist F M Gaunt and his report is attached as Appendix I.

b) Eight (8) ground magnetic traverses were completed with a Geometrics G-816/826A Proton Magnetometer with stations at 25 metre intervals.

Details of the traverses and magnetometer readings are included as Appendix II.

Traverse locations are shown on plan TAS-9-5. Profiles are shown on plans TAS-9-7 and TAS-9-8.

c) Drill sampling of the alluvial material in the South Esk River valley was carried out. Forty-seven (47) holes were drilled on nine (9) lines across the valley.

Drillhole locations are shown on plan TAS-9-28. Drill-line profiles are shown on plans TAS-9-19 through TAS-9-27. These also show the holes in plan. Geological logs of the holes including sample data are included as Appendix III.

d) All of the cuttings returned from each one (1) metre advance of a hole were collected as a sample. Volume and weight were recorded and the heavy mineral fraction concentrated manually by the use of a rocker box and/or panning.

e) Concentrates were forwarded to Analabs (Aust) Pty Ltd, firstly to Perth WA and latterly to Cooee, Tasmania, for weighing and total gold determination.

Result sheets are attached as Appendix IV.

f) All drill lines were surveyed with compass, tape and abney level. A base line has not yet been surveyed. Altitudes on the drill line profiles have been estimated from available topographic maps.

...5.

5. DRILLING AND SAMPLING

5.1 Drilling

A drilling rig that would recover samples acceptable for the determination of the gold content of, and its distribution in the alluvium in the river valley was not available during the latter part of 1980. However, H J Stacpoole of Launceston had a Gemco 210B machine available from early January 1981. It was decided after careful deliberation that with a change of objectives the Gemco 210B machine could be used for sample drilling.

The objectives then set were to determine the possible volume of alluvium present and whether or not it was auriferous.

The drilling method used to sample the alluvium was far from ideal. This point cannot be emphasised too strongly. It consisted of using a tricone bit to drill ahead for one (1) metre. Casing (NW) was then reamed down the hole for this same one (1) metre interval and the tricone bit then re-inserted into the hole to proceed for another metre. The tricone steel bits used had an external diameter of 65 mm. Dimensions of the casing shoes used were 75 mm internal and 90 mm external.

When "consolidated" material was encountered the tricone bit was replaced with an NMLC tripple tube corebarrel and up to one (1) metre of core recovered to determine whether or not bedrock had been reached. The corebarrel was also used to obtain core samples for geological purposes.

The original proposal was to drill holes at 400 metre centres, or thereabouts, along five (5) or six (6) lines spread along the valley to gather information concerning depth to bedrock, whether or not gold was present in the alluvium and if possible any indication of its distribution. Infill holes and lines of holes were then to be drilled to elucidate the emerging picture.

Forty seven (47) holes were completed on nine (9) lines across the valley before wet weather forced operations to be curtailed until the next dry summer season.

All core recovered to date is stored on Aberfoyle Farm about 9 km north-east of Avoca.

5.2 Sample collection

Material sampled was brought up the hole by return water circulation into a two compartment overflow steel settling tank. At the inlet to the first compartment a steel flange, welded to the bottom of the tank, extended into the hole to 20cm below ground level and into the tank to 30cm above floor level. The drill string was contained inside this flange.

After an advance of each one (1) metre in the hole with both the tricone bit and reaming casing in combination the hole was flushed out before drilling was recommenced. Material in the first compartment of the settling tank was cleaned out and placed in a container for volume and weight determination for every one (1) metre of hole advance.

Material in the second compartment was cleaned out only after bedrock coring and final flushing of the hole and then combined with material in the first compartment from bedrock coring and hole flushing to form the sample on the logs noted as E.O.H. (End of Hole) Silts. For the first couple of holes drilled there was some variation until the above standard procedure was adopted.

5.3 Sample Treatment

Material recovered from the collection tank was placed in a graduated measuring container and after half an hour excess water was decanted and the sample volume determined. After weighing, the sample was puddled and decanted to remove slimes, screened through a 20 mesh screen and the plus and minus fractions individually weighed. The heavies in the two fractions were individually manually concentrated in the field using a rockerbox and/or a pan depending on the amount of material to be concentrated. After removing foreign pieces of steel with a small weak hand magnet the concentrates were inspected visually for colours. The two concentrates were then combined and placed in one appropriately labelled envelope and forwarded to the laboratory for total gold content determination.

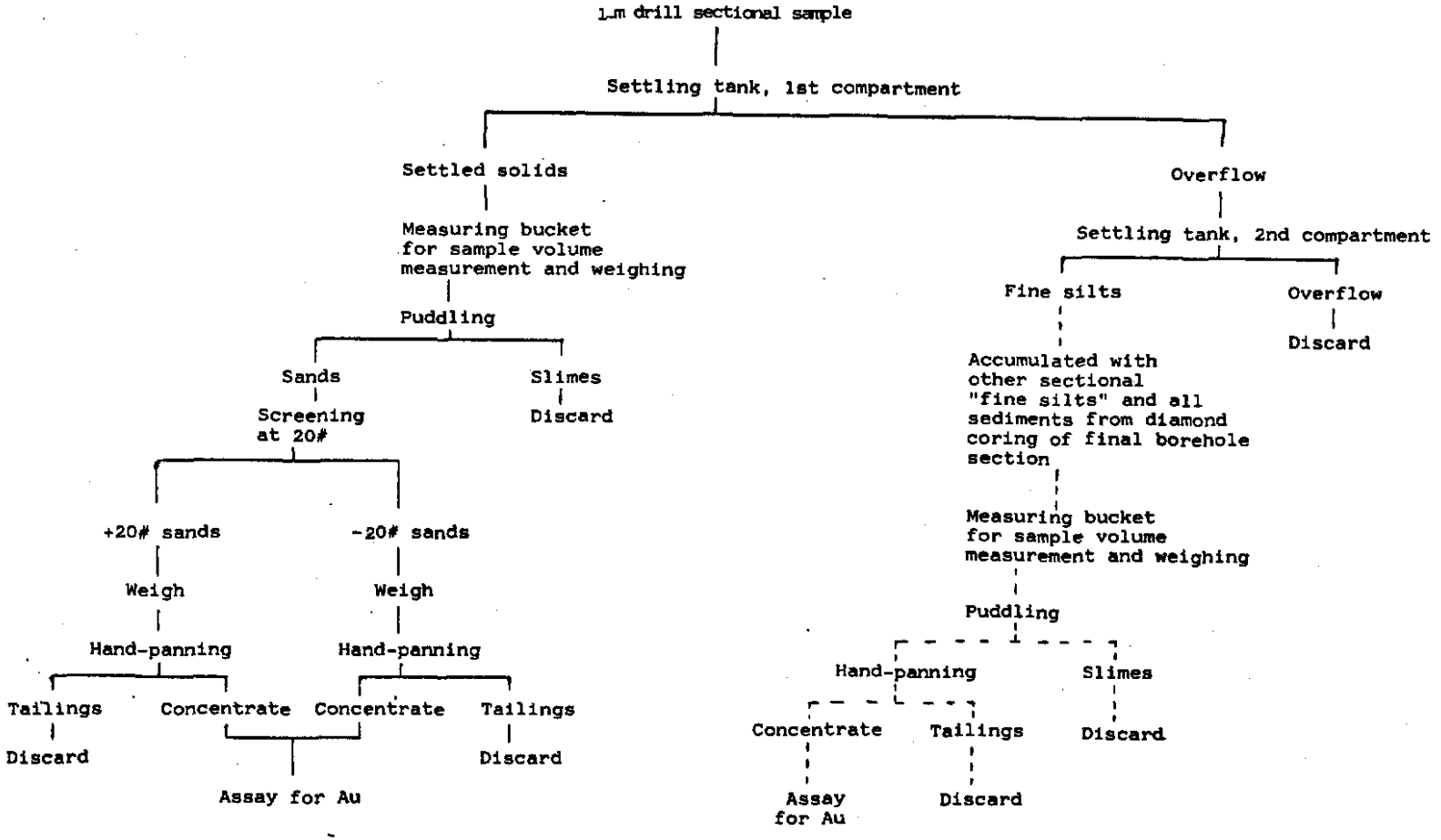
Table I shows a flow sheet of the sample treatment method.

800

Table 1

SOUTH ESK DRILL SAMPLE TREATMENT

EL 22/80 Tasmania



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5.4 Laboratory Analysis

Concentrates were forwarded to Analabs (Aust) Pty Ltd firstly in Perth and latterly in Cooee.

In the laboratory the concentrate was dried and weighed and a prill produced via the normal fire assay route. The prill was dissolved in aqua-regia and its gold content in ppm determined by AAS. A simple calculation enabled this to be converted to milligrammes.

Other mineral content and sizing analysis of the heavies will be done later at selected sites on selected samples recovered for this particular purpose.

6. SAMPLE RESULTS ACCEPTABILITY

It is important to realise that the degree of acceptability of the sample results obtained depends on the purpose for which the data are to be used.

The objective of the sampling programme as it was carried out with the Gemco 210B machine was to determine the possible volume of alluvium present and whether or not it was auriferous. It was not to determine gold grades or distribution.

Gold grades and distribution can be calculated from information supplied in this report. However, to do so and then use those calculated numbers to make a go/no-go evaluation decision on the future of the programme without further acceptable evaluation sampling would be ridiculous. There are too many areas of uncertainty in the sample drilling method used.

There was no acceptable confinement of the sample obtained during drilling and reaming. The main problems were drilling with the tricone bit below the casing shoe and return water (with sample) coming up the hole totally outside the casing during reaming and partially during triconing. This would lead to partial loss of sample - total in some cases as noted on the logs - as well as contamination. A further loss of sample occurred at the hole collar around the outside of the flange to the sampling settling tank.

Again, the method used returned only cuttings to the surface i.e. the presence of gravel could only be interpreted from cuttings (or chips) as very few particles larger than 4-5mm were recovered. This fact would further complicate any attempt at grade calculations.

Also there would be loss of sample to the hole bottom and wall during drilling and reaming due to non confinement of sample cutting and the transporting medium.

7. RESULTS ACHIEVED

7.1 Geology

At the beginning of the programme bedrock was expected to be Mathinna Beds over most of the area with rocks of the Parmeener Super Group in the south-east. However, the presence of Jurassic dolerite as mapped on the Launceston 1:250,000 geological sheet SK55-4 in its topographical position as inliers in the valley alluvium was expected to present some difficulties. An effort to delineate its sub-surface extent with ground magnetometer traverses was unsuccessful.

In most of the holes bedrock was found to be shale or mudstone, sometimes laminated, in places veined with pyritic quartz, and varying in colour from ochre to khaki to grey-green to dark grey. Holes G1, G2, G3, H1, D6, J5 and J6 bottomed in dolerite. Hole H2 bottomed in dolerite boulders(?) in altered green shale which may be the edge of a dolerite tongue.

The surprise, however, was the conglomerate encountered in holes E3A, E4, E4A, E5, E7, E8, D4, D2 and possibly in H2 and I4. It consists of well rounded granules, pebbles, cobbles and boulders of dolerite, quartz sandstone, and quartz set in either a dark grey pyritic muddy matrix with coal fragments or a lighter coloured siliceous sandy matrix. In places thin beds of sand or grey to black pyritic shales (siltstone?) are present.

Hole E4A was cored through the conglomerate from 35 to 48.5m. From 48.5 to 50m (bottom of hole) the core consisted of dolerite in altered grey-green shale (a small dolerite dyke?).

Beside the expected mixture of clay, sand and gravel the other sediment of geological interest is the bedded and/or laminated grey sandy clay with coal fragments containing interbeds of clay, sand or gravel all containing coal fragments found on drill lines E, G, D and I. It appears to have a higher gravel content in the north than in the south whilst in the south it is pyritic towards its base.

The valley profile indicates one major terrace in the west which is in the process of being eroded by present west bank tributaries. Drill line profiles C and J exhibit this erosion.

..10.

Infilling of the valley can be divided into probably five (5) major events from evidence to hand to date. First was the introduction of dolerite from the west in the south (drill lines G, H, D and I) and from the east in the north (drill line J?). It must be noted that as yet one does not know what is below the dolerite. In all probability the dolerite would have forced changes in the course of the stream.

The next event was deposition of the conglomerate as seen on lines E, H(?), D and I in the deepest parts of the valley. Erosion was followed by deposition of clayey gravelly sands. Further erosion was followed by deposition of the coal fragment bearing laminated grey sandy clay unit. Next is a mixture of sands and clays, gravelly in places and on line E containing beds of laminated grey sandy clay with coal fragments. Overlying this is a unit of gravelly sands topped with clayey sands into which the present stream plain has been cut leaving a terrace to the west. Intermingled in all this of course is evidence of many stream course changes and new channel cutting.

Bedrock outcrops at the Beauty Flat Road bridge across the South Esk River. This, together with the dolerite in holes J5 and J6, indicates a bedrock high which may form a bar across the valley. Certainly there is a difference in the sediments to the north and south of this point as well as in the valley bedrock profile. Another constriction may exist in the vicinity of line H.

Line A shows the possibility of a nice simple profile cut across the strike of the country rock. Line B profile is rather flat with the possibility of a channel in the west. Line C profile once again is rather flat with the main channel probably being in the east. Line J has insufficient data for interpretation. However, the dolerite in the east would be a constriction so the channel should be in the west. Line I shows the beginning of the development of multi-bedrock channels as well as a change in sediment regime which persists to the south with the possible exception of line H. Line E reflects the influence of a major drainage junction.

...11.

It is quite possible that the area of the junction of the South Esk and Break O'Day Rivers was a lake formed by Tertiary downwarp or graben activity being subsequently filled with its distinctive sediment of conglomerate and the laminated dark grey sandy clay with coal fragments.

One should note at this point of time that no age determinations have been attempted. Arrangements are in hand to have this work done in the future.

7.2 Gold Sampling Results

Forty-seven (47) holes were drilled generally at 400 metre centres along lines approximately two (2) kilometres apart.

Gold was recovered from samples from forty (40) holes in quantities greater than trace amounts i.e. greater than 0.001 mg (see plan TAS-9-29). Sixteen (16) of these holes produced concentrations of gold i.e. samples reporting greater than 0.5 mg. Nine (9) of these holes which indicate gold concentrations are on lines A, B and C i.e. north of the bedrock constrictions in the vicinity of line J.

It is emphasised that no core has been assayed to date.

Fourteen (14) of the above concentrations are in the upper gravelly sands - also clayey north of line J - and two (2) in the laminated grey sandy clays in the south i.e. holes E8 and D4. It should be noted that hole E8 is in the Break O'Day valley and not the South Esk valley.

At this stage it appears the valley can be divided into three entities viz., north of line J, the vicinity of line D and south of line H.

7.2.1 North of Line J

Of the eighteen (18) holes drilled in this area fifteen (15) were auriferous and in these, eleven (11) concentrations of gold i.e. gold content greater than 0.5 mg, are indicated.

Indications here are that auriferous clayey gravelly sands have backed up against a bedrock (and dolerite) constriction in the vicinity of line J. The possibility

...12.

is that the gold concentrations are contained in the coarser material of shoals at various positions along a wandering channel with course changes caused by erosion and/or changing geomorphic thresholds upstream.

7.2.2 Vicinity of Line D

South of line J there is evidence of deep channels cut into the bedrock surface compared with the rather broad even bedrock profiles of drill lines to the north. Again there is the accumulation of the conglomerate and the laminated grey sandy clays in these deep channels which are indicative of a source provinance different to that of the overlying sediments as well as a different depositional regime.

Results in this area suggest that gold concentrations will probably be confined to the upper gravelly sands.

Hole D4 and exposures in road cuttings to the south indicate the presence of channels in the western terrace which need to be investigated further. Gold recovery from hole D4 samples certaintly indicates the possibility of gold concentrations in this terrace.

7.2.3 South of Line H

Results here again suggest that gold concentrations will be confined to the upper gravelly (and clayey) sands. One should not discard the two gold concentrations in the laminated grey sandy clays found in holes D4 and E8 at this time. However, the source provinance and depositional regime complicate possible further evaluation.

7.3 General

As stated previously the object of this first stage drill sampling programme was to determine two factors. Firstly whether or not auriferous alluvials were present in the valley and secondly their possible volume.

...13.

The drilling programme as carried out, in spite of the widespread nature of the "grid" has achieved far more than the objectives sought. It has demonstrated the presence of a large volume of auriferous alluvials as well as concentrations of gold at different levels within these alluvials. It has also demonstrated the presence of two sedimentary regimes i.e. fluvial and lacustrine as well as demonstrating separate provenances for the sediments in those two regimes.

It is here suggested that the gold concentrations represent allochthonous placers formed on the surfaces of point-bars and channel bottoms where rivers carrying loose material with finer grains of "placer" minerals regularly deposit their load but also regularly remove the lighter minerals and rock fragments. This process leads to surficial concentration of heavy "placer" minerals. Such concentrations cannot originate if the water does not remove sufficient quantities of light material, or if, on the contrary, it removes both light material and considerable quantities of "placer" minerals.

Downcutting parts of rivers carry out more loose material than they receive. Under such conditions, the fine grains of "placer" minerals cannot be detained, and allochthonous placers cannot be formed by them. During the stage of dynamic equilibrium, when the thickness of alluvium does not change, allochthonous point-bar placers are formed in the thin surficial horizons of the channel facies of a perstrative alluvium. Most favourable seems to be the stage of aggradation, when new point-bar concentrations may be superimposed on older ones, thus forming thick allochthonous placers.

...14.

8. FUTURE EXPLORATION PROGRAMME

8.1 North of Line J

Evaluate the auriferous alluvials in this area.

To date eighteen (18) reconnaissance holes have been drilled and sampled. Fifteen (15) of these holes (or 83%) indicate auriferous alluvials i.e. samples reporting better than 0.001 mg Au content. Nine (9) of these fifteen (15) holes (or 60%) returned samples indicating concentrations of gold i.e. samples reporting better than 0.5 mg Au content.

Drill holes should be on lines 800m apart with centres at 80m. This would involve about 190 holes or about 3200 metres of drilling.

The drill to be used should be capable of recovering a large confined sample, cutting core, and have a reasonable drilling rate and be mobile, so that the programme can be completed in a reasonable time span. In other words a mobile reverse circulation rig capable of drilling a 150 to 200mm hole.

8.2 South of Line J

The only prospect indicated here are channels in the terrace on the western side of the valley.

This possibility should be investigated on a reconnaissance basis using a small high production mobile reverse circulation rig.

8.3 Other points to be borne in mind are:-

(a) Does the constriction at line J extend right across the valley or is there a channel present to the west?

(b) Are there any channels present beneath the dolerite which may be filled with fluvial sediments?

(c) Is the conglomerate auriferous?

(d) Is there any auriferous sediment beneath the conglomerate?

B McBride
Chief Divisional Geologist
Research and Technical Services

Approved by

R J Kernick
Exploration Manager

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of M: A.O. | C.G. | E.O. | D.S.M.E

Received / Answered 26 AUG 1981

DEPT. OF MINES REF. NO: 7356/81

MICROFILMED

PROJECT NAME:

EXPLORATION LICENCE 22/80 TASMANIA

TITLE:

SIX MONTHLY PROGRESS REPORT TO

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PERIOD: 28TH FEBRUARY 1981 - 28TH AUGUST 1981

PLANS

Volume 2 of 6

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

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS: TAS-9-4, 19, 20, 24, 25, 26, 27, 28, 29

OPEN FILE

TABLE NOS:

APPENDICES:

AUTHOR/S:

DATE:

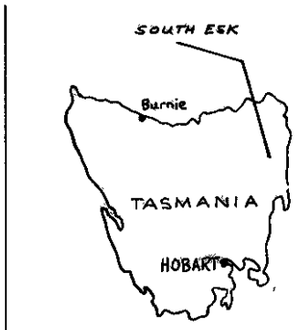
AUSTRALIAN ANGLO AMERICAN LIMITED

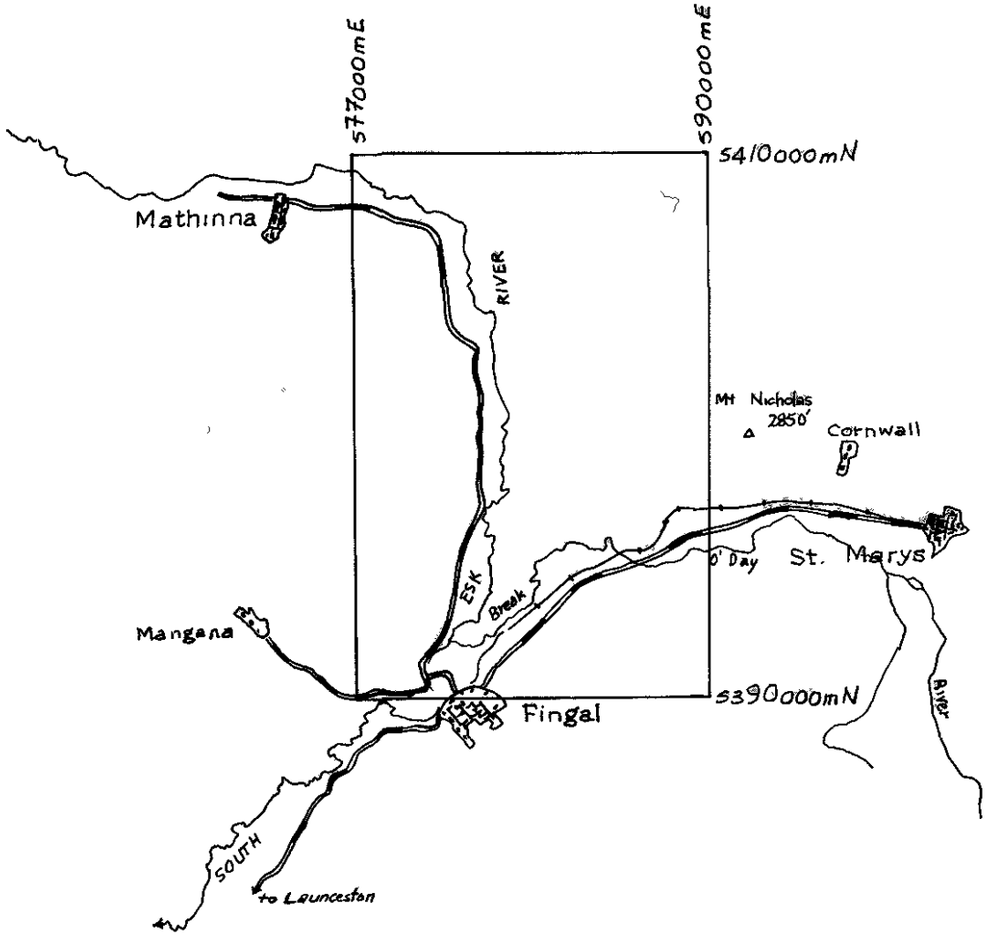
Incorporated in the State of Victoria

81-1578

94018

147°45'
41°15'





41°45'
148°15'

0 5 10 15Km

AUSTRALIAN ANGLO AMERICAN LIMITED

E.L. 22/80 SOUTH ESK PROJECT TAS

LOCATION MAP

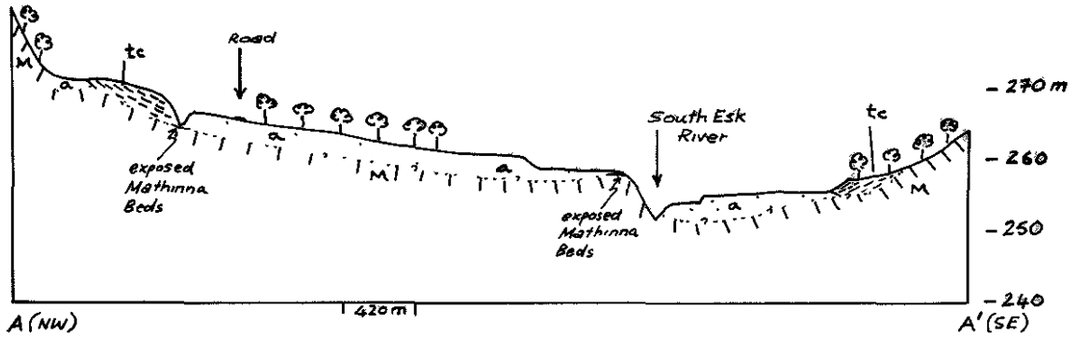
Fig 1

COMPILED	DRAWN	SCALE	
JMG.	JMG.		TAS-9-1

81-1578

610646

SCHEMATIC
SECTION A - A'
V H - 42 : 1



also see plan

a	floodplain alluvium - 'young' terraces
tc	colluvium - may cover 'older' terrace material
M	MATHINNA BEDS

AUSTRALIAN ANGLO AMERICAN LIMITED

SOUTH ESK TAS.

SCHEMATIC GEOLOGICAL CROSS SECTION

Fig 2

to accompany plan.

COMPILED	DRAWN	SCALE	
JMG.	JMG.		TAS - 9 - 2

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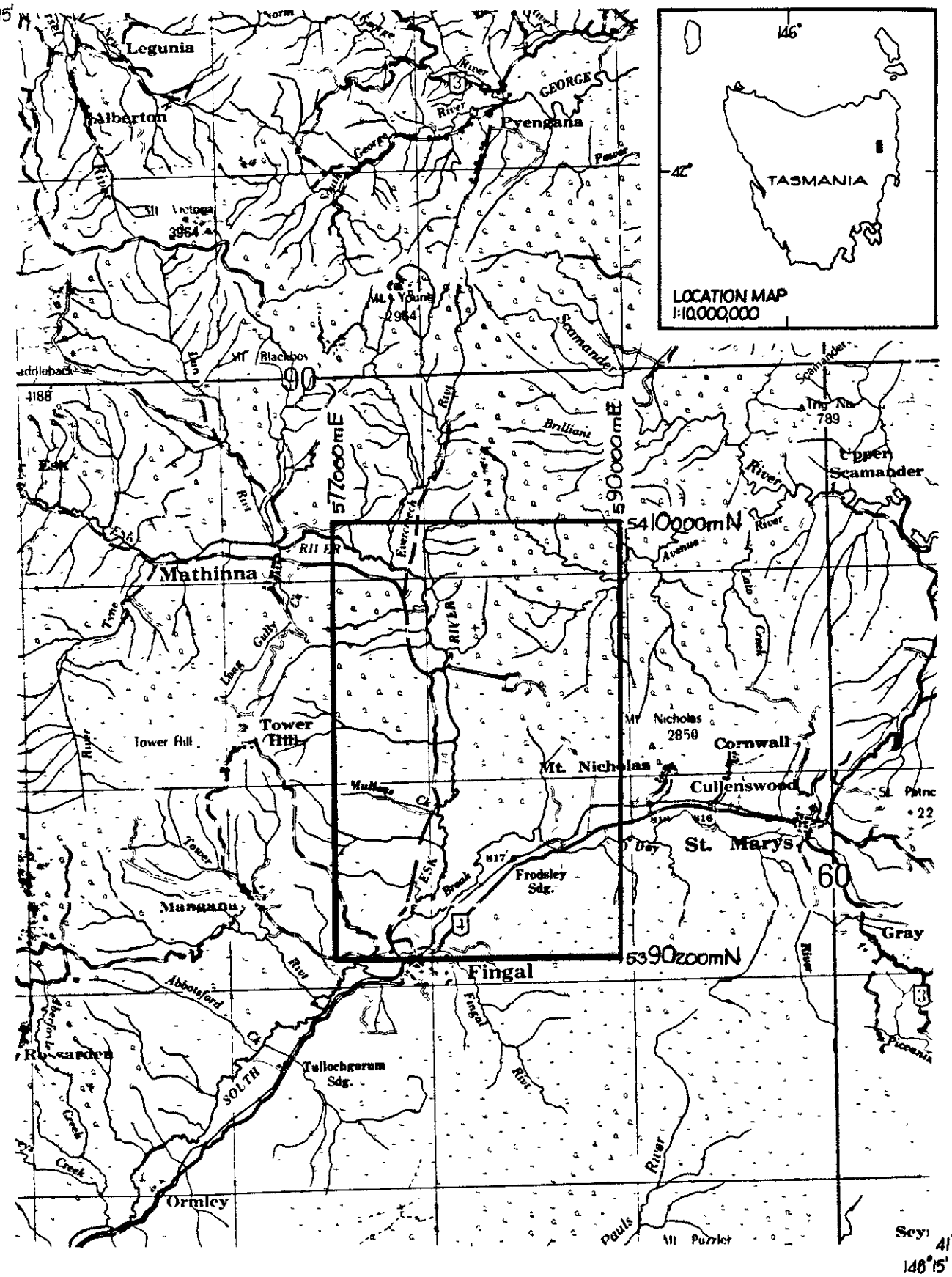
949020



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SOUTH ESK PROJECT

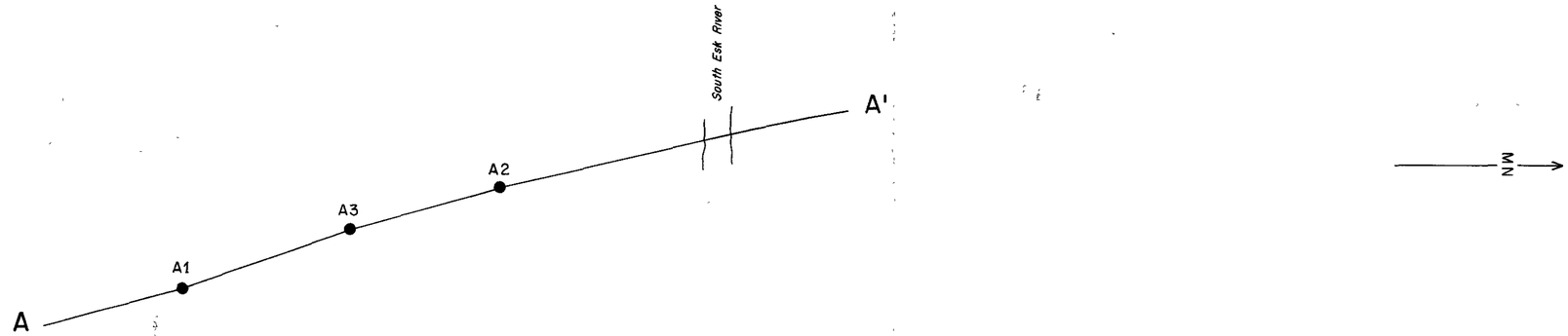
EL 22/80 - TASMANIA

LOCATION MAP

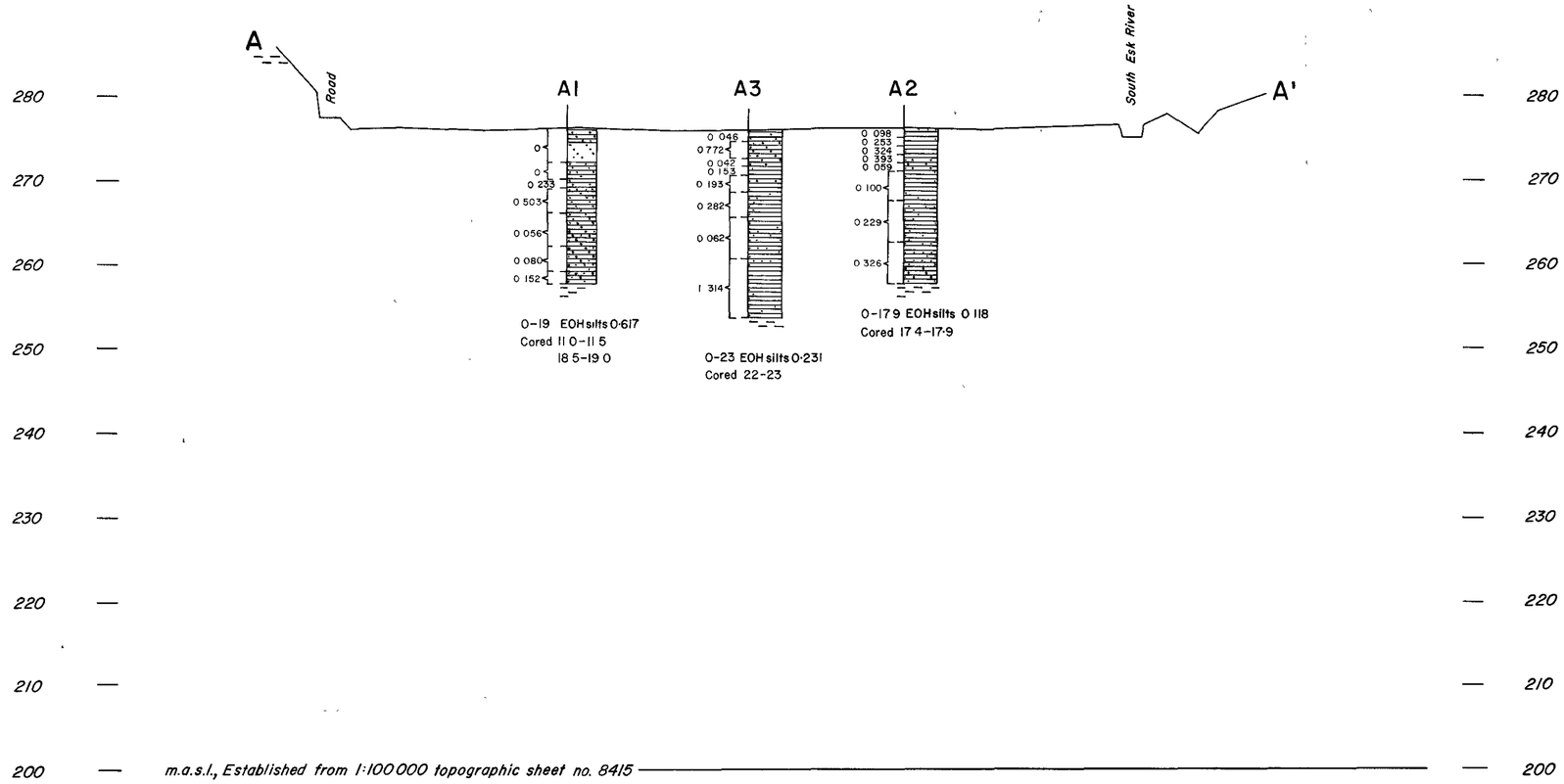
COMPILED	DRAWN	SCALE	
MPE	HD 4/80	1:250,000	TAS-9-4

002

DRILL HOLE LOCATIONS AA'
Scale 1:5000



SECTION AA'
Scale H., 1:5000
V., 1: 500



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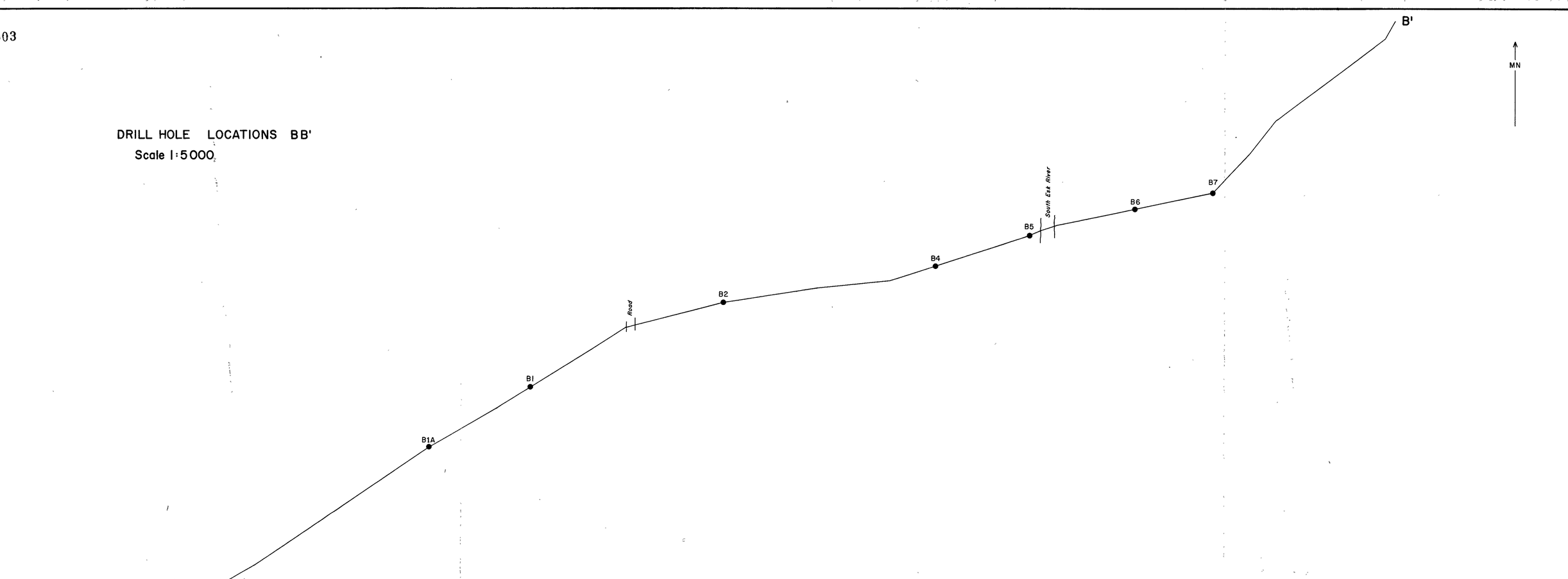
Vertical exageration, 10

5 cm

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE A		
COMPILED	S.M Douglas	SCALE	As shown above
DRAWN	July, 1981.	REF No	TAS – 9 – 19
AMENDED			

81-1578(2)6/6

DRILL HOLE LOCATIONS BB'
Scale 1:5000



SECTION BB'
Scale H., 1:5000
V., 1: 500

Vertical exaggeration, 10

949022

GOLD CONTENT PER METRE

0 013 mg
NR No results.
— Nil
TR Trace (<0 001 mg)

5 cm

100 0 100 200 300 400
HORIZONTAL SCALE — METRES

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA.		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE B		
COMPILED	S. M. Douglas	SCALE	As shown above
DRAWN	July, 1981.	REF No	TAS - 9 - 20
AMENDED			

81 - 15780/16

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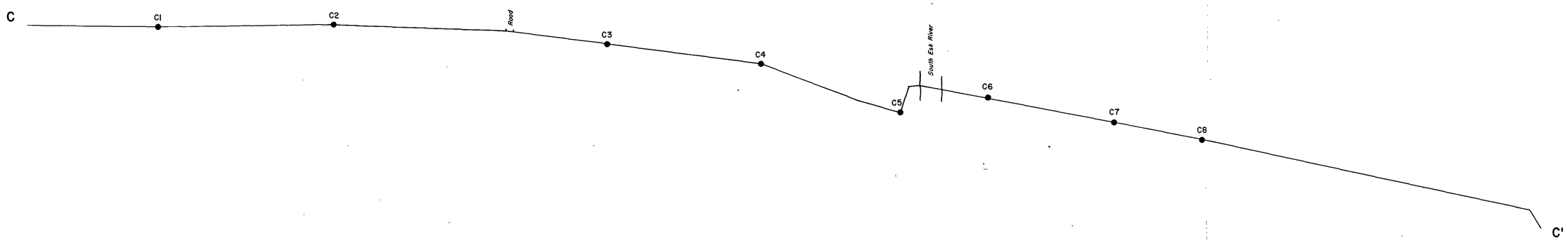
DRILL HOLE LOCATIONS CC'

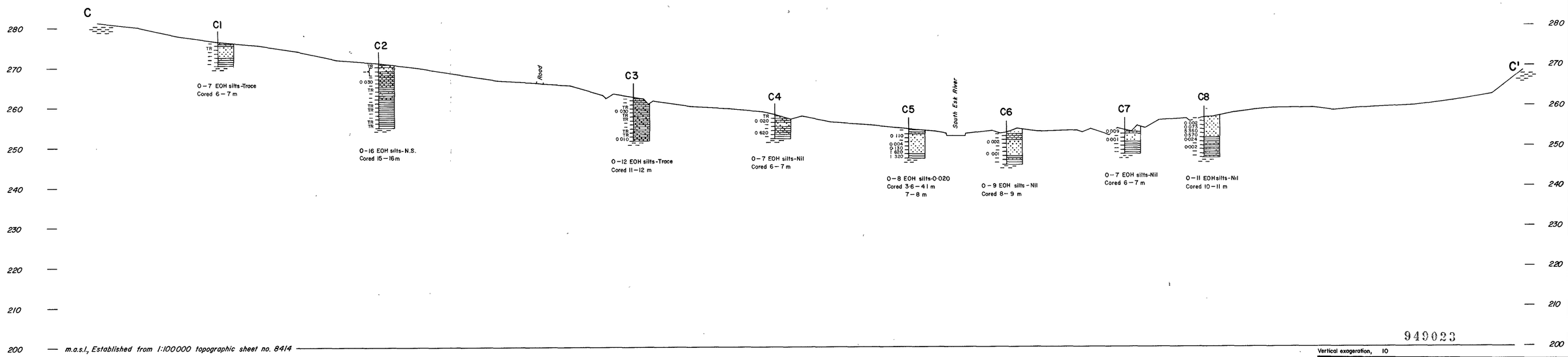
Scale 1:5 000



SECTION CC'

Scale H., 1:5000

V., 1: 500



949023

Vertical exageration, 10

Clay Sand Gravel Shale

5 cm

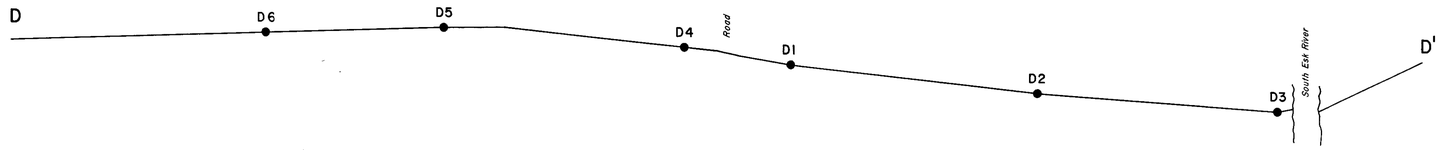
GOLD CONTENT PER METRE
NS No sample
0·013 mg
TR Trace (<0·001mg)
– Nil

100 0 100 200 300 400
HORIZONTAL SCALE – METRES

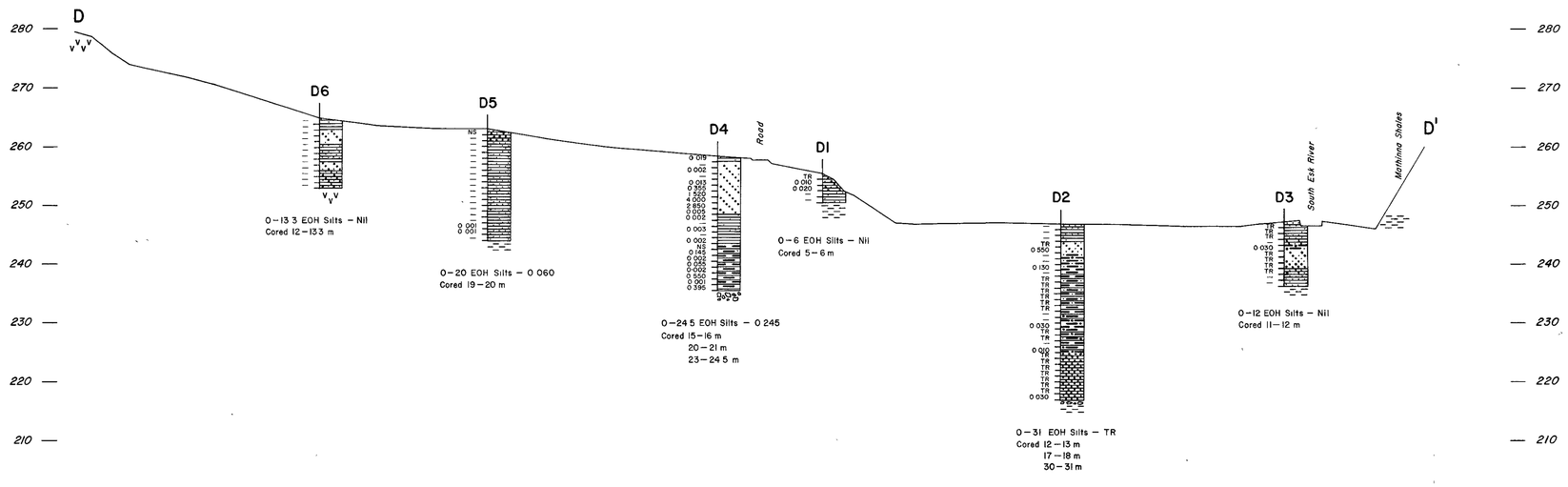
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE C		
COMPILED	S.M. Douglas	SCALE	As shown above
DRAWN	July 1981	REF No	TAS – 9 – 21
AMENDED			

81-1578(16

DRILL HOLE LOCATIONS DD'
Scale 1:5000



SECTION DD'
Scale H., 1:5000
V., 1:500



Conglomerate | Clay | Sand | Gravel | Shale | Coal fragments | Dolerite

GOLD CONTENT PER METRE
0 003 mg
TR Trace (<0 001 mg)
– Nil
NS No sample

100 0 100 200 300 400
HORIZONTAL SCALE – METRES

949024
5 cm
6903

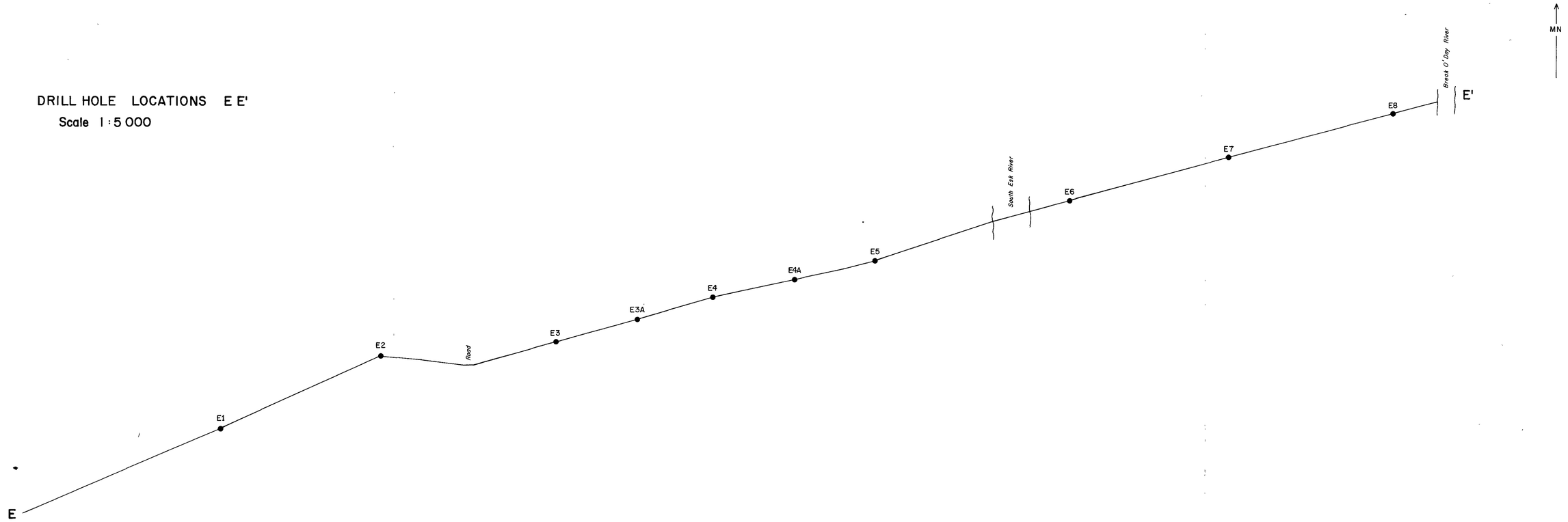
Vertical exageration 10

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE D		
COMPILED	S M. Douglas	SCALE	As shown above
DRAWN	July, 1981	REF No	TAS – 9 – 22
AMENDED			

81-1578@66

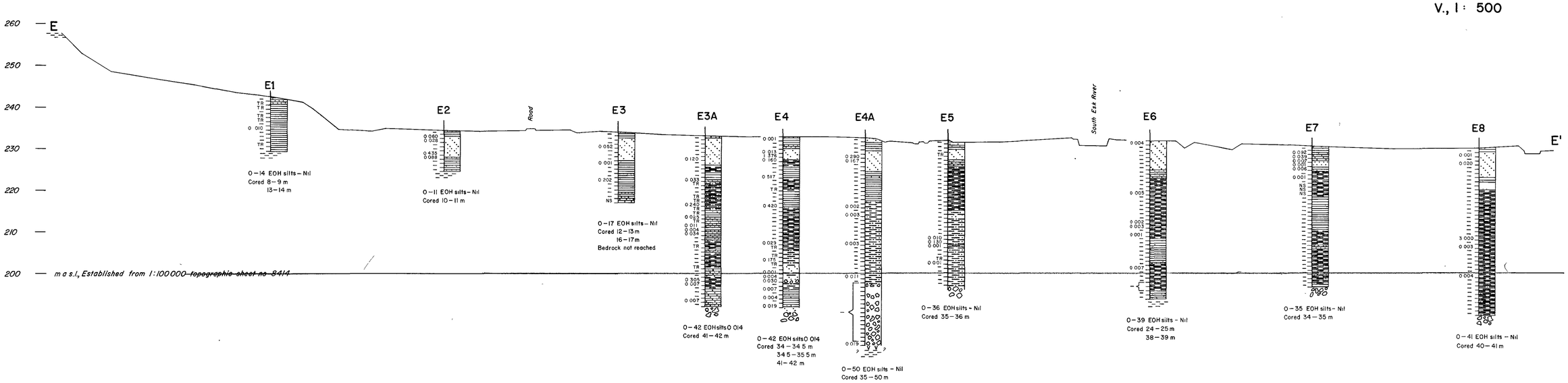
DRILL HOLE LOCATIONS E E'

Scale 1 : 5 000



SECTION E E'

Scale H., 1 : 5000
V., 1 : 500



Vertical exageration, 10

949025

6904

Clay Sand Gravel Conglomerate Coal fragments Shale Dolerite

GOLD CONTENT PER METRE

0 013 mg
TR Trace (< 0 001 mg)
– Nil
NS No sample

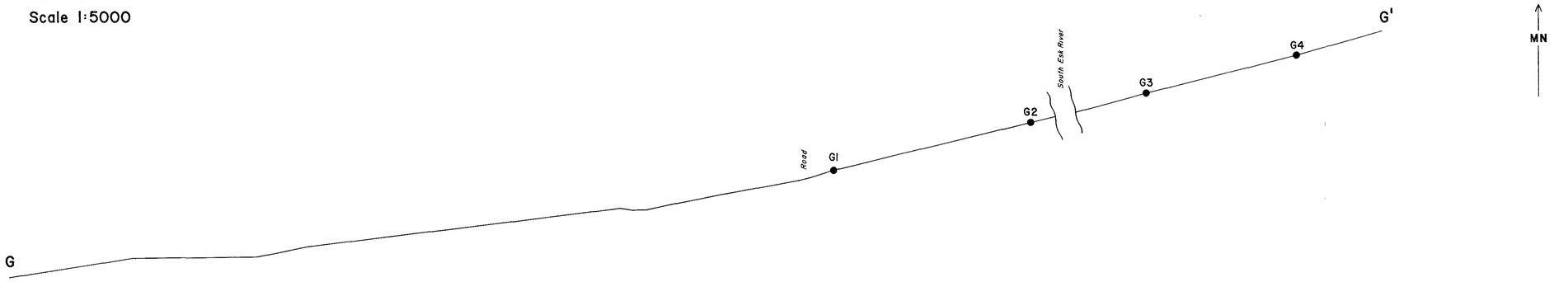
5 cm

100 0 100 200 300 400
HORIZONTAL SCALE – METRES

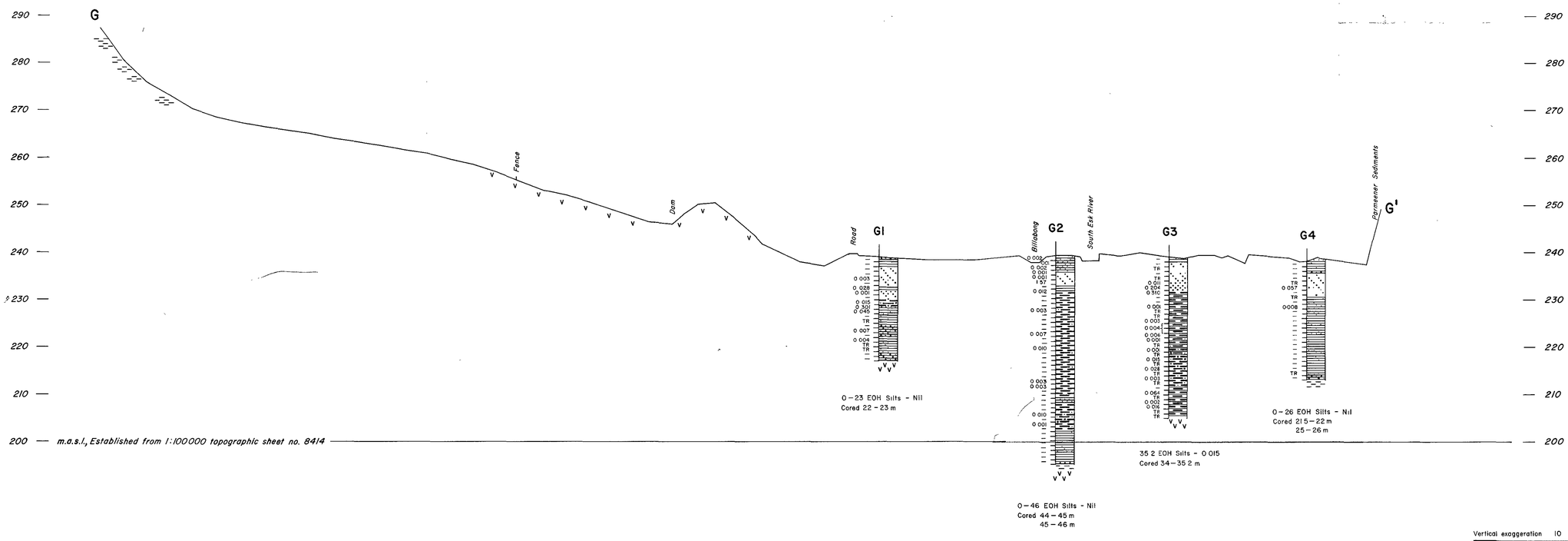
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE E		
COMPILED	S.M Douglas	SCALE	As shown above
DRAWN	July, 1981	REF No	TAS – 9 – 23
AMENDED			

81-1578(d)6.

DRILL HOLE LOCATIONS GG'
Scale 1:5000



SECTION GG'
Scale H.,1:5000
V.,1:500



Clay | Sand | Gravel | Shale | Coal fragments | Dolerite

GOLD CONTENT PER METRE
0 003 mg.
TR Trace (<0 001 mg)
— Nil
NS No sample

5 cm

100 0 100 200 300 400
HORIZONTAL SCALE - METRES

Vertical exaggeration 10

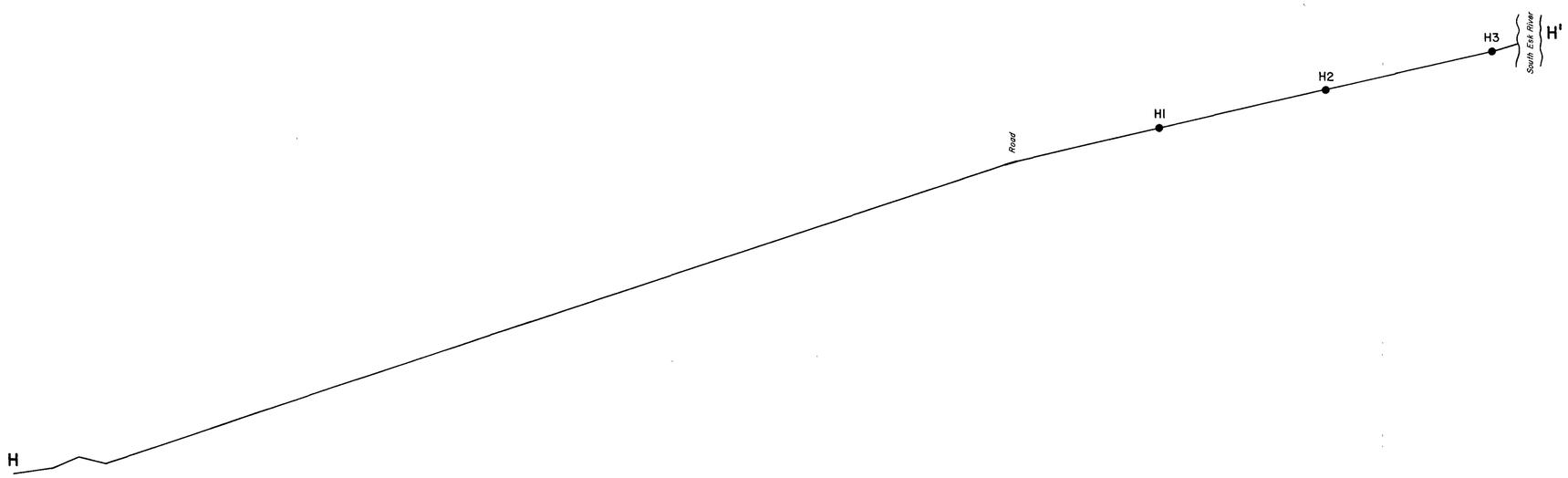
949026

6905

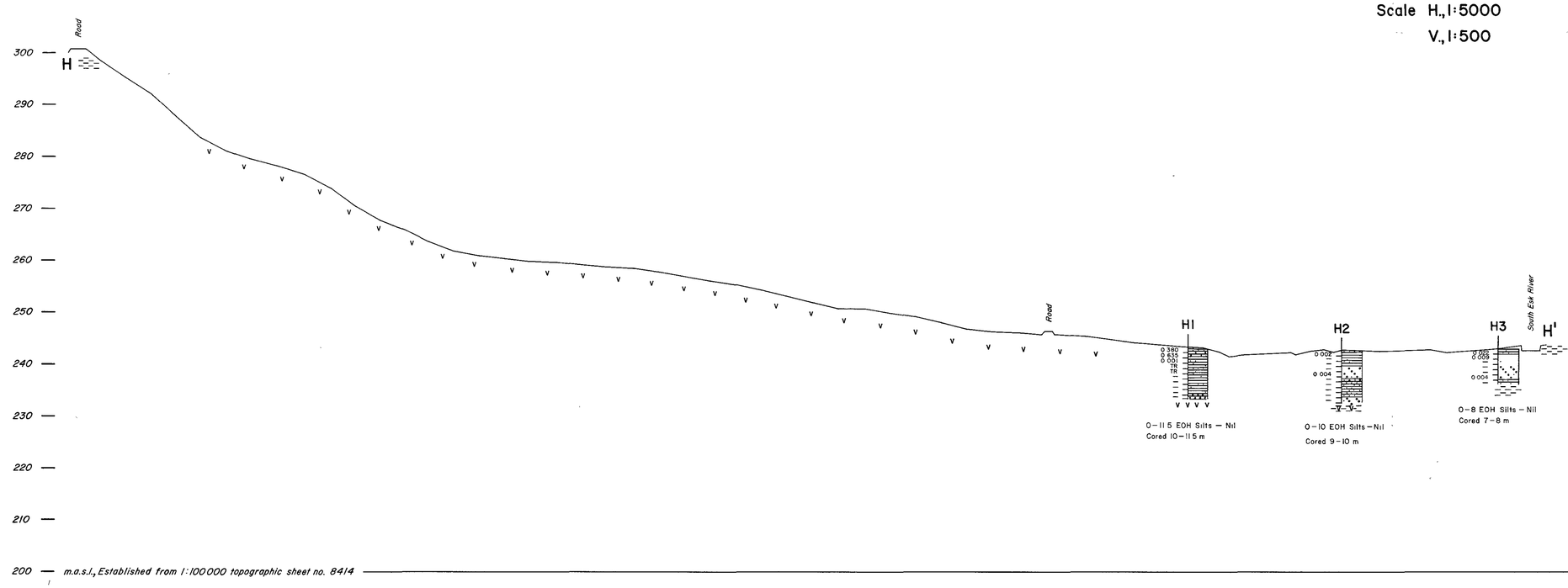
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE G		
COMPILED	S.M Douglas	SCALE	As shown above
DRAWN	July, 1981	REF No	TAS - 9 - 24
AMENDED			

81-1578 016.

DRILL HOLE LOCATIONS HH'
Scale 1:5000



SECTION HH'
Scale H., 1:5000
V., 1:500



Clay Sand Gravel Shale Dolerite

GOLD CONTENT PER METRE
0 013 mg
TR Trace (<0 001mg)
– Nil
NS No sample

5 cm

100 0 100 200 300 400
HORIZONTAL SCALE – METRES

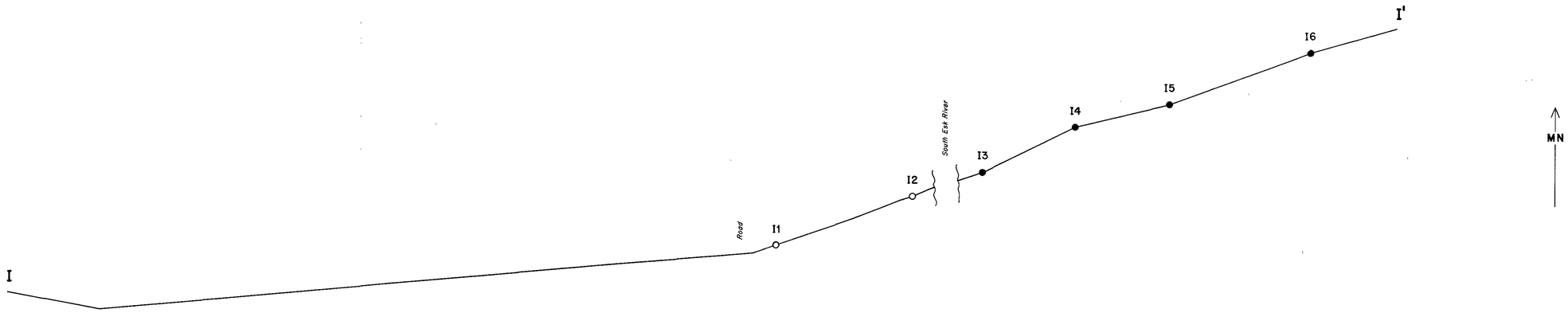
Vertical exaggeration 10

949027 0006

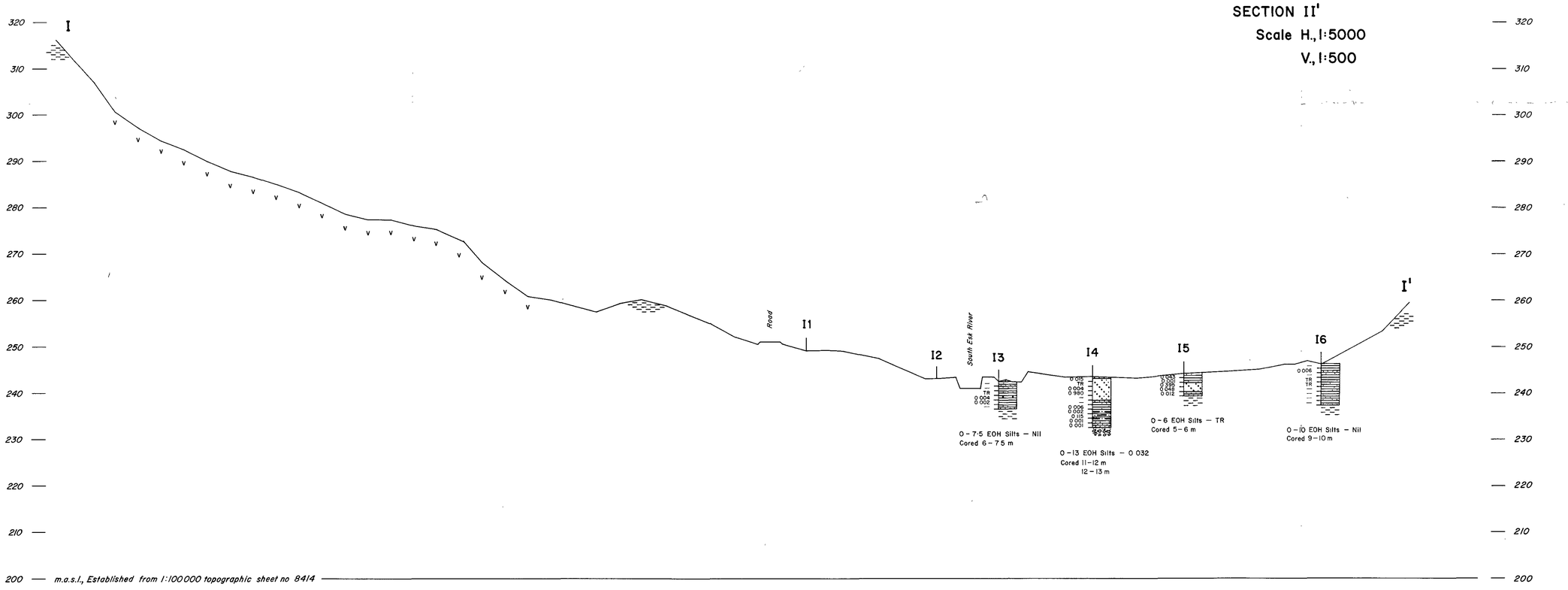
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION **DRILL LINE H**		
COMPILED	S.M Douglas	SCALE	As shown above
DRAWN	July, 1981	REF No	TAS – 9 – 25
AMENDED			

81-15780646.

DRILL HOLE LOCATIONS II'
Scale 1:5000



SECTION II'
Scale H., 1:5000
V., 1:500



Vertical exaggeration 10

Clay Sand Gravel Shale Coal fragments Conglomerate Dolerite

GOLD CONTENT PER METRE
0·003 mg.
TR Trace (<0·001 mg)
— Nil
NS No sample

5 cm

100 0 100 200 300 400
HORIZONTAL SCALE — METRES

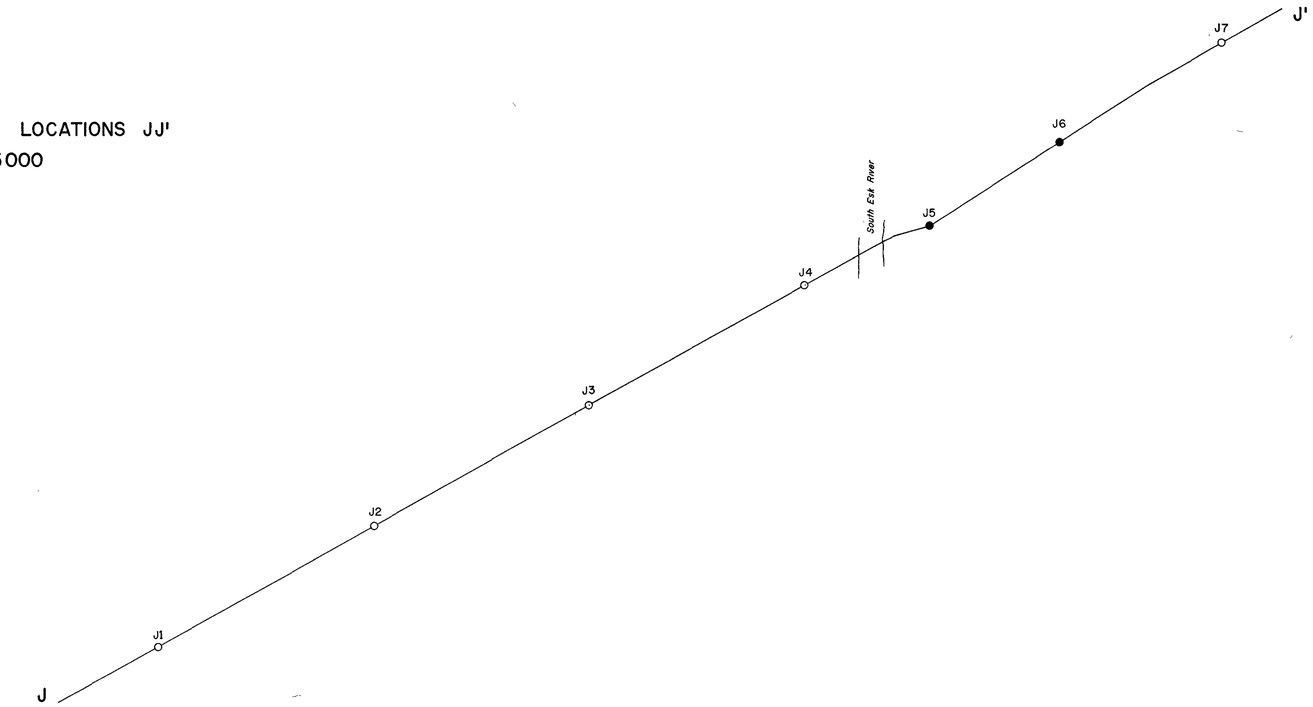
949028 6997

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE I		
COMPILED	S.M Douglas	SCALE	As shown above
DRAWN	July, 1981	REF No	TAS - 9 - 26
AMENDED			

81-1578(6)6.

DRILL HOLE LOCATIONS JJ'

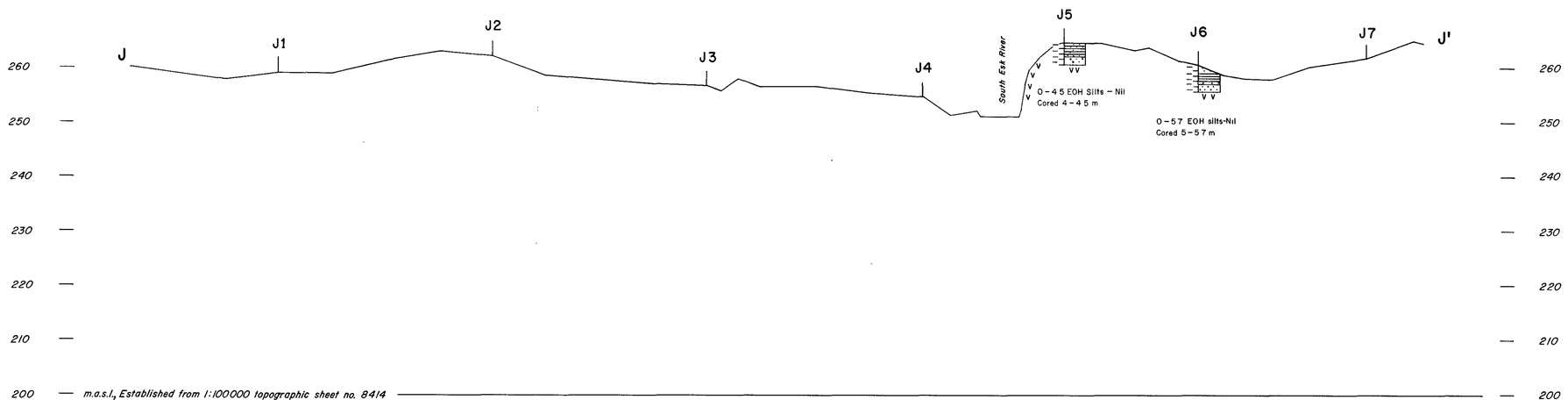
Scale 1:5000



SECTION JJ'

Scale H., 1:5000

V., 1: 500



Clay Sand Gravel Dolerite

GOLD CONTENT PER METRE

0.003 mg
TR Trace (<0.001 mg)
– Nil
NS No sample

5 cm

100 0 100 200 300 400
HORIZONTAL SCALE – METRES

Vertical exageration 10

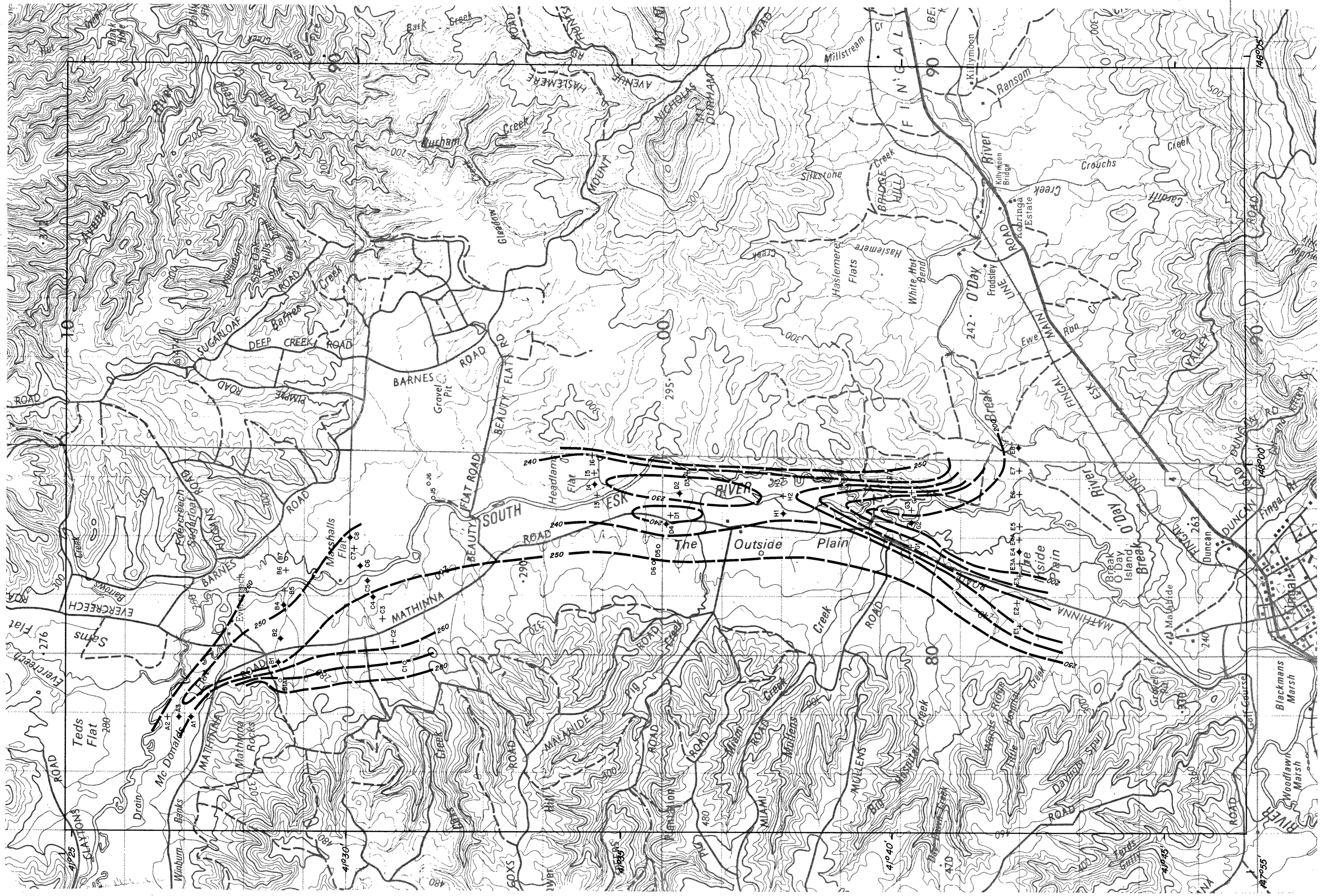
949029

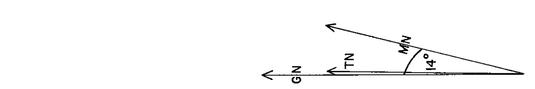
69^8

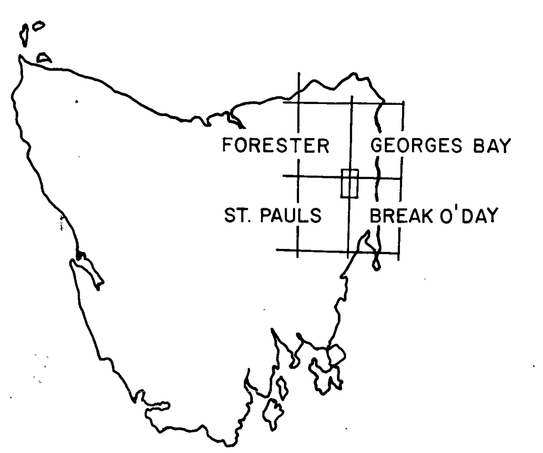
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION DRILL LINE J		
COMPILED	S. M. Douglas	SCALE	As shown above
DRAWN	July 1981	REF No	TAS – 9 – 27
AMENDED			

81-1578066

SOUTH ESK RIVER
BEAUTY FLAT ROAD
BARNES ROAD
DEEP CREEK ROAD
SUGARLOAF ROAD
MATHINNA ROAD
EVERCREECH ROAD
MALAHIDE ROAD
DUNCAN ROAD
FINGAL TUNNEL ROAD
BRIDGE HILL
MOUNT NICHOLAS
MT DURHAM
Millstream
Killymoon
Ransom
Killymoon Bridge
Croucns Creek
Cardiff
Stonehenge
Hasiemere Flats
White Hut Bend
Fradsley
Ewe Creek
O'Day Break
Break O'Day River
Break O'Day Island
Inside Plain
Outside Plain
The Inside Plain
The Outside Plain
Headlams Flat
Marshalls Flat
Teds Flat
Mathinna Rocks
Mc Donalds
Evercreech
Sams Flat
Gladdon
Durham Creek
Barnes Gravel Pit
Blackmans Marsh
Woodlawn Marsh
Golf Course
Duncan
Fingal
Mallside
Mullens
Miami
Hasiemere Creek
Daffodil Spur
Big Hospital Creek
Little Hospital Creek
Forlorn Hope Creek
Jacobs Creek
Soxs River
Winburn
Banks
Drain
Stone Crop Hills
Anderson
Black Hill
Bark Creek
Barnes Creek
Sugarloaf
Evercreech
Sams Flat
Teds Flat
Mathinna Rocks
Mc Donalds
Headlams Flat
Marshalls







949031 6910

SCALE IN METRES 500 0 1000 2000

- Holes drilled
- Holes with samples containing >0·001 mg Au
- Holes with samples containing >0·5 mg Au
- 240 Altitude in metres a.s.l
- Interpreted bedrock contours at 10m intervals

81-528(2) 616

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXPLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA		
DATA	RESEARCH & TECHNICAL SERVICES DIVISION SUMMARY OF DRILLING RESULTS		
COMPILED	S M Douglas	SCALE	1 : 25000
DRAWN	July, 1981	REF.No.	TAS 9 - 29
AMENDED			

81-1578 (3).

949032

000

MICROFILMED

Dept. of Mines A.O. C.G. E.C.
Received 26 AUG 1981
Answered
DEPT. OF MINES
REF. No. 7356181

PROJECT NAME:

EXPLORATION LICENCE 22/80 TASMANIA

TITLE:

APPENDIX I

PHOTOGEOLOGICAL INTERPRETATION OF SOUTH ESK RIVER VALLEY

F M GAUNT

Volume 3 of 6

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

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS: TAS-9-30

TABLE NOS:

APPENDICES:

AUTHOR/S:

DATE:

OPEN FILE

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

C O N T E N T S

1. INTRODUCTION

2. GEOLOGY

2.1 Pre Cainozoic

2.1.1 Palaeozoic

2.1.1 Mesozoic

2.2 Cainozoic

2.2.1 Unit 'a' - River flats and terraces

2.2.2 Unit 'tc' - Veneer colluvium and probable higher level terrace material

3. LAND TENURE

4. COMMENTS

MAPS AND FIGURES

Figure 1 Location Map

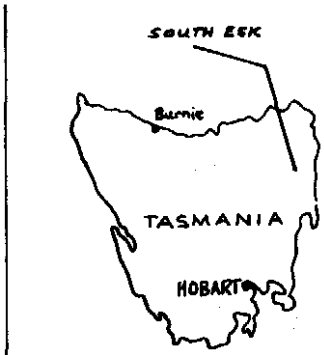
Figure 2 Schematic Cross Section

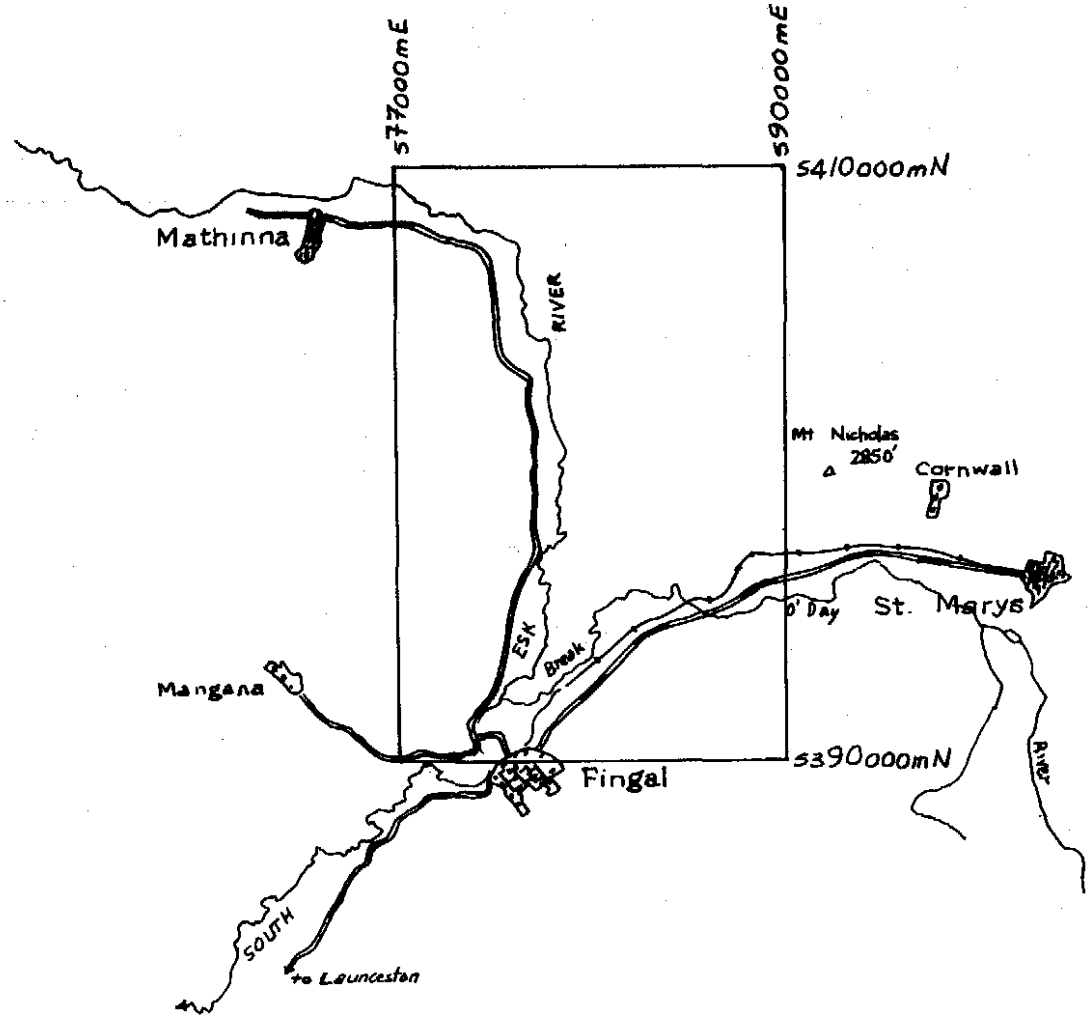
TAS-9-30 Photogeological Interpretation Map 1:42,000

002

949034

147°45'
41°15'





41°45'
148°15'

0 5 10 15Km

5 cm

AUSTRALIAN ANGLO AMERICAN LIMITED

E.L. 22/80 SOUTH ESK PROJECT TAS.

LOCATION MAP

Fig 1.

COMPILED	DRAWN	SCALE	
JMG.	JMG		TAS-9-1

NOTES TO ACCOMPANY THE PHOTOGEOLOGICAL MAP OF THE SOUTH ESK RIVER VALLEY AREA EL 22/80

1. INTRODUCTION

Photogeological interpretation over the South Esk River area within EL 22/80 in north eastern Tasmania has been carried out using (nominal) 1:42,000 scale black and white aerial photography (Project F596, 1979); the area is also partly covered by 1:15,000 scale photographs (b&w).

The accompanying map is presented at photoscale as an uncontrolled mosaic, and the tenement area lies on the Launceston 1:250,000 geological sheet SK55-4 (and portions of the 1:100,000 topographic sheets of St Pauls 8414 and Forester 8415).

The aim of the interpretation is to present a preliminary geological map outlining the extent and probable relationships between the Cainozoic fluviatile sediments adjacent to the South Esk River; this particular tract of ground within the EL is considered prospective for alluvial gold I.C. Doc. No 10391 MPE 15/4/80.

A field visit was made to the area between the 1/10/80 and 4/10/80 and ground truth information was collected to substantiate the mapping.

2. GEOLOGY

2.1 Pre Cainozoic

2.1.1 Palaeozoic - Mathinna Beds (Lower Devonian to Cambrian); Parmeener Super Group (Permian to Upper Carboniferous)

Photocharacteristics : Steep generally resistant topography covered by Pine forest.

The greater part of the South Esk River valley is incised into the Mathinna Beds which comprise fine grained, strongly cleaved, clastic sediments which are traversed by quartz veining (generally conformable with cleavage and less than 10 cms in width).

Late Palaeozoic sediments, which include coal measures within mainly glacio-marine and fresh water sediments of the Parmeener Super Group, unconformably overlie the Mathinna Beds in the south east of the area.

...2.

2.1.2 Mesozoic-dolerite (Jurassic)

Photocharacteristics : Low humocky relief, coarse even texture, 'reed' grass and some low bush cover.

Dolerite is the general name given to the occasional dyke and plug like exposures and large floaters of holocrystalline basic igneous rocks (± moderately magnetic) which occur along the valley; particularly those areas which interrupt the Cainozoic lithologies in the central part of the area.

The extent of these rocks is not clear due to the alluvial cover, and it should be kept in mind that a general 'bedrock high' may be present in the west of the valley (south of section A-A extending to the vicinity of Speers Road).

2.2 Cainozoic

The main area of interest comprises the fluviatile sediments deposited within the river valley, which is 'open' and U shaped; the river flats and terraces have developed from material presumably derived from the underlying (gold bearing) Mathinna Beds while some 'early' deposition may have occurred under periglacial conditions. Late palaeozoic sediments, which include coal measures within the Parmeener Super Group, unconformably overlie the Mathinna Beds in the south east of the area.

For mapping purposes a simplified legend nomenclature has been used. Individual terraces or bench levels generally cannot be traced continuously, so that correlation between these horizons is tenuous; however where mappable (in unit a) terraces have been indicated.

2.2.1 Unit a - River flats and terraces

Photocharacteristics: Weakly resistant floodplain material with abandoned channels and oxbows, terraces ± dissection, light tones and smooth textured areas.

The greater part of this unit is cleared ground comprising pasture for sheep and cattle grazing, while some areas are under cultivation.

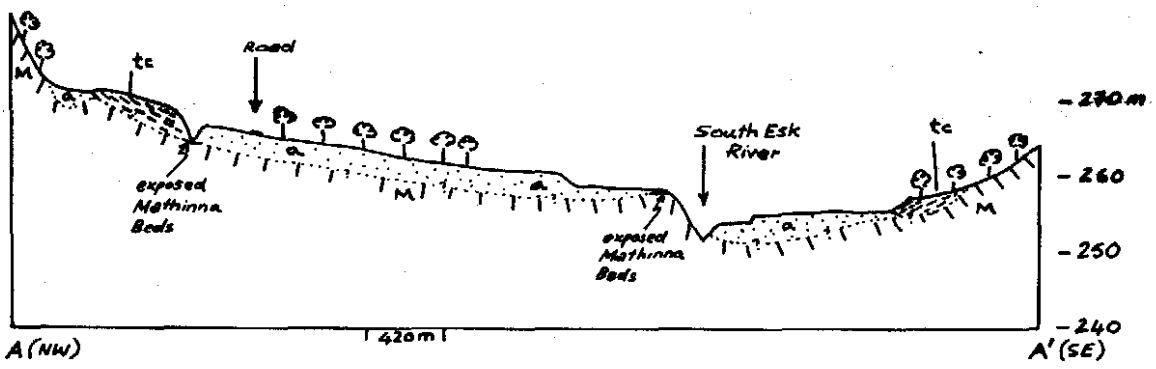
There are very few localities where a good profile of this unit can be observed. Fig 2 is a schematic cross section which approximates to the likely thickness of the alluvial material and its relationship with the underlying Mathinna Beds in this particular part of the area.

...3.

005

949037

SCHEMATIC
SECTION A - A'
V:H - 42:1



also see plan

a	floodplain alluvium - 'young' terraces
tc	colluvium - may cover 'older' terrace material
M	MATHINNA BEDS

AUSTRALIAN ANGLO AMERICAN LIMITED

SOUTH ESK TAS.

SCHEMATIC GEOLOGICAL CROSS SECTION.

Fig 2

to accompany plan.

COMPILED	DRAWN	SCALE	
FMG	FMG.		TAS - 9 - 2

Overall, unit a probably averages no more than 2 or 3 metres? in thickness (locally deeper) and generally comprises a lower floodplain level lithology which is a pale to mottled somewhat poorly sorted gravel with a clayey silt matrix (fragments 30% vs matrix 70%). This level may be overlain by a somewhat 'coarser' imbricated gravel characterized by rounded and flattened pebbles and cobbles while fragment content in this material appears to be much higher (size range of 2 to 5 cms).

It is worth noting that during deposition of much of this unit, the main South Esk river channel has shifted from west to east, and in some areas is now actively incising into the valley sides; the river also follows a more defined course east of the dolerite areas, i.e. not meandering.

2.2.2 Unit tc - Veneer colluvium and probable higher levelterrace material

Photocharacteristics: Generally coarse textured, light medium toned and weakly resistant material with vegetation cover, sloping surfaces lapping onto Unit a.

This mapping unit represents veneer accumulations of colluvial slope material, possibly overlying 'older' higher level terrace material in some areas; the evidence for higher terrace levels is lacking due to limited exposure, but from all accounts, thicknesses would be only of the order of a few metres?

3. LAND TENURE

The area of interest lies on two freehold properties; contacts are: Anthony McKenzie - EVERCREECH (in the North) and Malcolm Cleeland - MALAHIDE (in the South).

4. COMMENTS

The mapping probably outlines an area of alluvials in the order of 34 kms^2 or 34 mill.m^2/vertical m.

However the likelihood of a dolerite bedrock high in the valley should not be overlooked. Although its presence would reduce somewhat the area/volume of alluvials, it may also serve as a natural barrier, which may indicate that the alluvials to the north are more prospective?

It is envisaged that these alluvials will be systematically sampled, probably by cable tool drilling or some other reliable method; suggested drill hole lines which are indicated in red on the accompanying map, may serve as a guide for planning such work.

F. M. Gaunt

28.10.80

007

949039

AUSTRALIAN ANGLO AMERICAN LTD		
PROJECT	GOLD ALLUVIALS	R.A.T.S.
AREA	SOUTH ESK, TAS.	E.L. 22/80
DATA	PHOTOGEOLOGICAL INTERPRETATION (black & white aerial photography - F596, 1979 - uncont. mosaic)	
COMPILED	JNG 10/80	SCALE ~ 1:42.000
DRAWN	JNG 10/80	REF No TAS-9-30
AMENDED		

81-1578(3)216

N

R14

R15

R16

STATE FOREST

STATE FOREST

MATHINNA

SPEERS ROAD

SOUTH ESK RIVER

BREAK O' DAY RIVER

MALAHIDE

FINGAL

to LAUNCESTON

TO ST MARYS

thin cover over M

dissected floodplain

Scored area

M/Puc

M?/Puc

Puc

tc

M

a

162

163

180

REFERENCE

CAINOZOIC	HOLOCENE to PLEISTOCENE	a	floodplain alluvium - recent deposits of sand, gravel & clay; 'young' accumulation terrace material
		tc	slope colluvium veneer, may cover 'older' terrace material
MESOZOIC	JURASSIC	× × × ×	dolerite: probably dyke & plug like bodies - crosses indicate area of outcrop &/or large floaters
PALAEOZOIC	PERMIAN to UPPER CARBONIFEROUS	Puc	PARMEENER SUPER GROUP glacio-marine & fresh water sediments including coal measures
	LOWER DEVONIAN to CAMBRIAN?	M	MATHINNA BEDS fine grained, cleaved, clastic sediments

- geological boundary
- photolinear - fault/fracture
- 85 cleavage plane & dip - Mathinna Beds
- floodplain terrace level or bench - hatching towards lower portion
- boundary of cleared land - grazing &/or cultivation
- area of felled trees
- area of dissection or erosion of terrace.
- gravel pit
- drainage
- settlement
- unsealed road (Mathinna road is being upgraded)
- sealed road
- railway
- property boundary
- aerial photograph centre & n°.
- EL Boundary

SCALE

0 1 2 3 kms

5 cm

Aerial Photography :
TAS. Proj. N° F596 Runs 14-16.

81-1578 (4)

949040

000

AAC

of Mi	A.O.	C.G.	E.O.	D.S.M.E

Received 26 AUG 1981
Answered

DEPT. OF MINES
REF. No. 735/81

E & IL

MICROFILMED

PROJECT NAME:

EXPLORATION LICENCE 22/80 TASMANIA

TITLE:

APPENDIX II

GROUND MAGNETIC TRAVERSE DATA

TRAVERSE LOCATION PLAN

TRAVERSE DETAILS

Volume 4 of 6

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

OPEN FILE

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS: TAS-9-5

TABLE NOS: TAS-9-7

APPENDICES: TAS-9-8

AUTHOR/S:

DATE:

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

LINE A

STATION	READINGS	
2700	61992	
2675	61978	
2650	62052	
2625	62050	
2600	62035	
2575	62097	
2550	62070	
2525	62008	
2500	62015	
2475	62048	— FENCE
2450	62043	
2425	62023	
2400	62042	
2375	62018	
2350	61969	
2325	61970	
2300	61997	
2275	61994	
2250	61971	
2225	62010	
2200	62003	
2175	61974	
2150	61969	
2125	61972	
2100	61984	
2075	62017	
2050	61960	— FENCE
2025	61983	— ROAD
2000	62000	— FENCE
1975	61990	
1950	61989	
1925	62014	
1900	62058	
1875	62076	
1850	62044	
1825	62042	
1800	62074	
1775	62096	
1750	62037	
1725	62020	
1700	62007	
1675	61983	
1650	61989	
1625	62055	
1600	62029	
1575	62102	
1550	62045	
1525	62038	
1500	62049	— FENCE
1475	62024	— CREEK
1450	62058	
1425	62068	
1400	61970	
1375	61982	
1350	61982	
1325	61960	
1300	61888	— FENCE
1275	61973	— ROAD
1250	61986	— FENCE
1225	61998	
1200	61997	
1175	61994	
1150	61987	
1125	61992	
1100	62007	
1075	62005	
1050	61996	
1025	62017	
1000	62014	

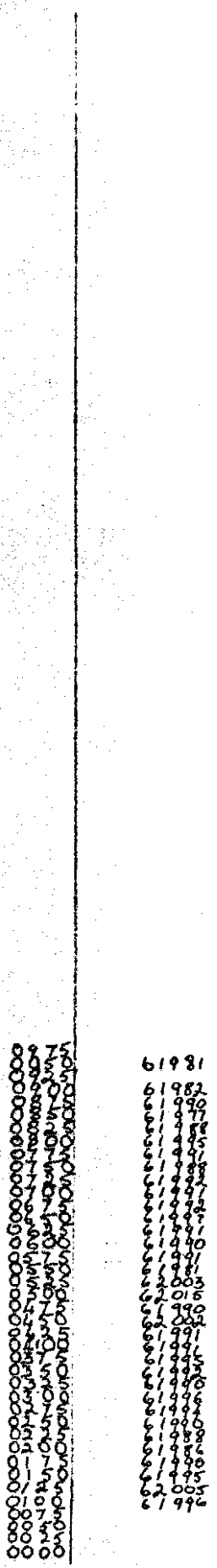
230°

1 KILOMETER

5 cm

SOUTH ESK, TAS
E.L. 22/80

GROUND MAGNETICS

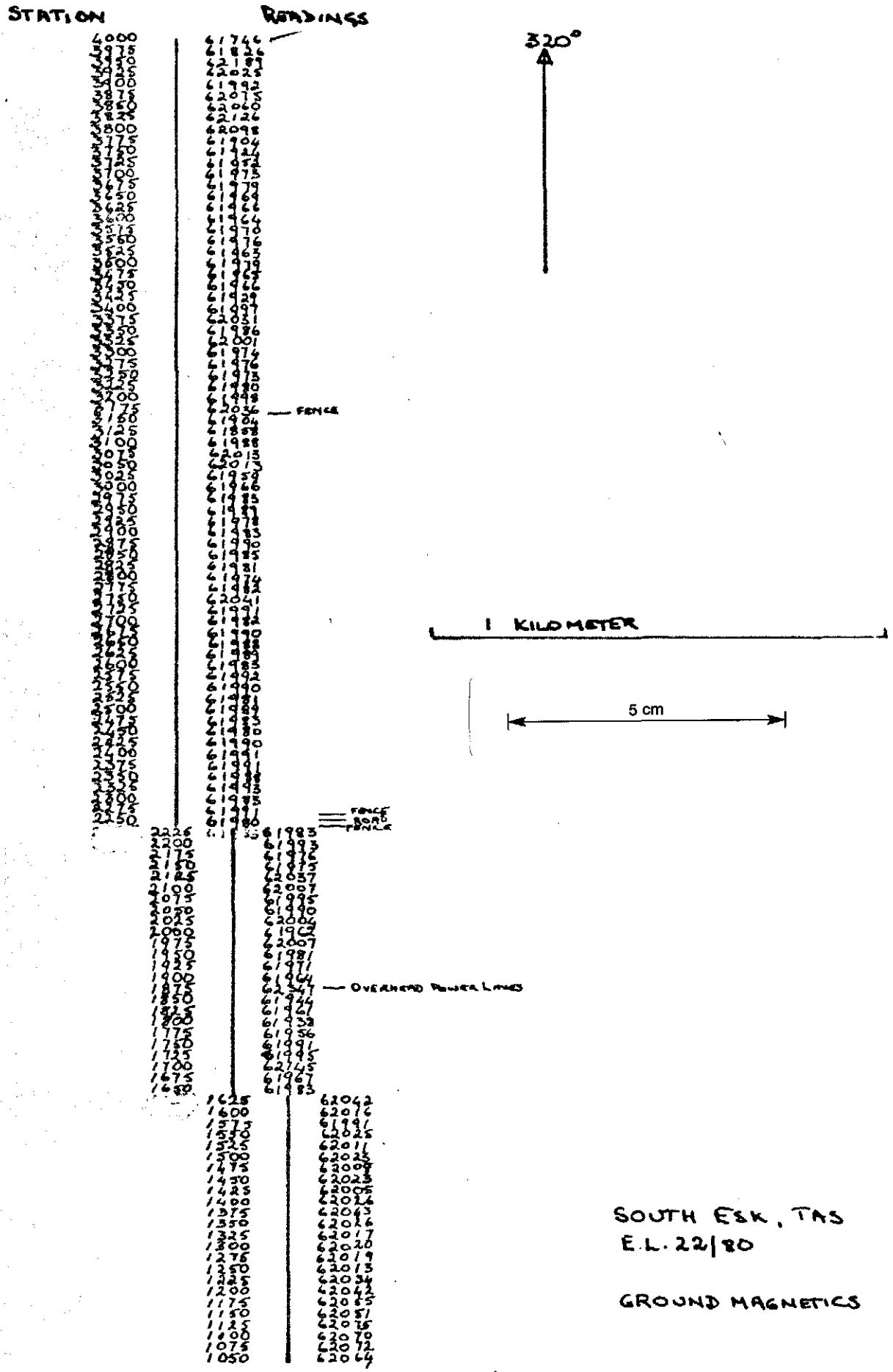


LINE A - CONT.

003

LINE B

949043



SOUTH ESK, TAS
E.L. 22/80

GROUND MAGNETICS

949044 LINE B: 00.0 -085

	0850	61955
	0825	61937 CADENCE
	0800	61990
	0775	61996
	0750	61992
	0725	61994
	0700	61995
	0675	61997
	0650	61981
	0625	61988
	0600	61988
	0575	61990
	0550	61998
	0525	61980
	0500	61987
	0475	61987
	0450	61973
	0425	61972
	0400	61975
	0375	61987
	0350	61987
	0325	61986
	0300	61985
	0275	61987
	0250	61994
	0225	61996
	0200	61986
	0175	61987
	0150	61986
	0125	61998
	0100	61979
	0075	61988
	0050	61996
	0025	61996
	0000	61996

NU

305 NU

BE

Lin B.

LINE 15

949045 4000 - 4150 N

005

NW.

4850	61994
4825	62009
4800	61990
4775	62000
4750	62002
4725	61989
4700	61996
4675	61998
4650	61994
4625	62000
4600	62005
4575	62017
4550	62000
4525	62015
4500	62005
4475	62005
4450	61990
4425	61996
4400	61991
4375	61995
4350	61984
4325	61984
4300	61984
4275	61990
4250	61983
4225	61994
4200	61977
4175	61979
4150	61964
4125	62032
4100	62074
4075	62076
4050	61626
4025	62114

300°

320°

SE

006

949046

0420	61977
0400	61975
0380	61969
0360	61967
0340	61974
0320	61977
0280	62006
0260	62001
0240	61992
0220	62061
0200	62048
0180	62060
0160	62064
0140	61952
0120	61904
0100	61942
0080	61960
0060	61985
0040	61984
0020	61966
0000	

LINE B-1

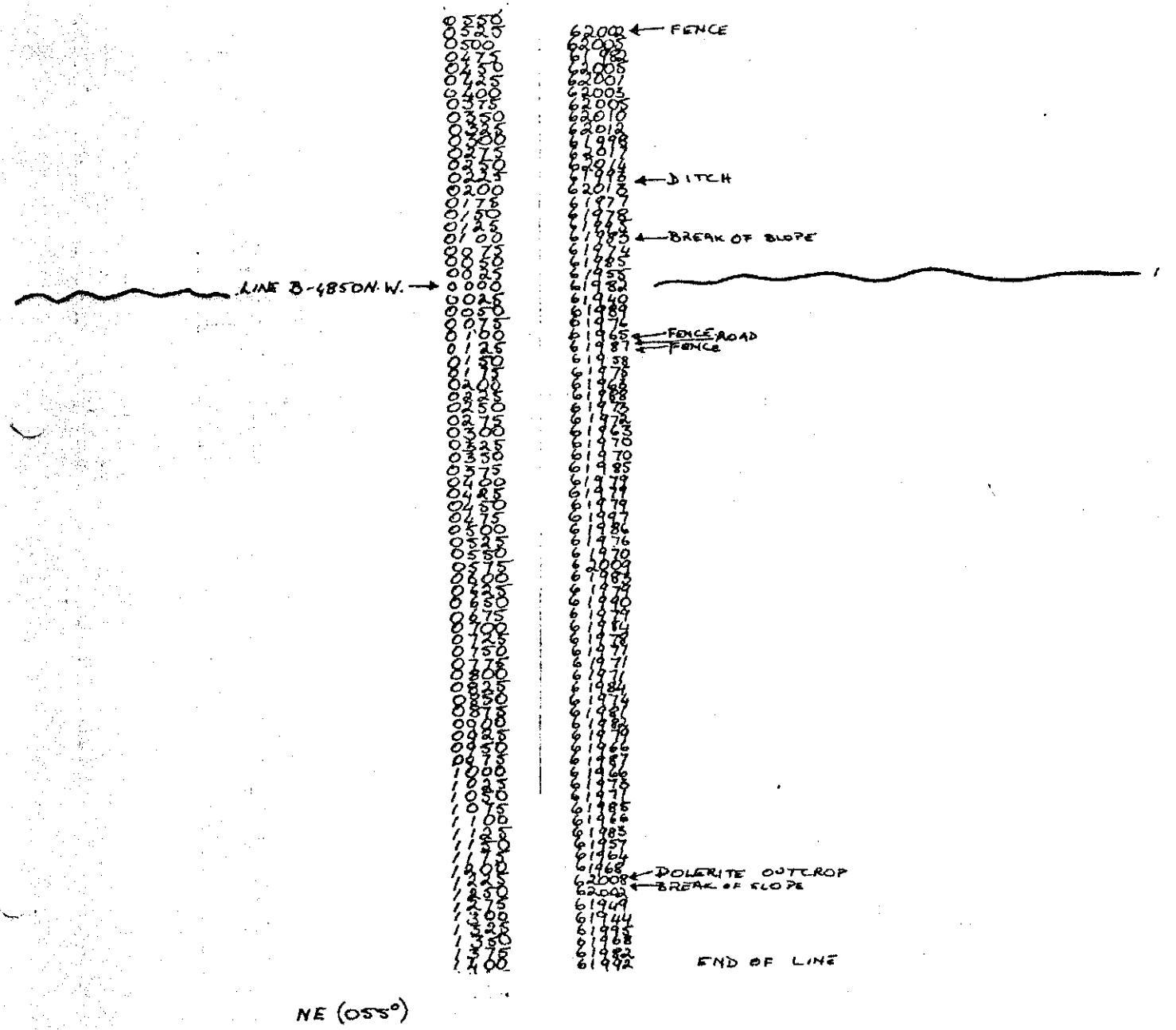
Lani B.

949047

007

LINE D

SW (230°)



NE (055°)

Line D.

949048

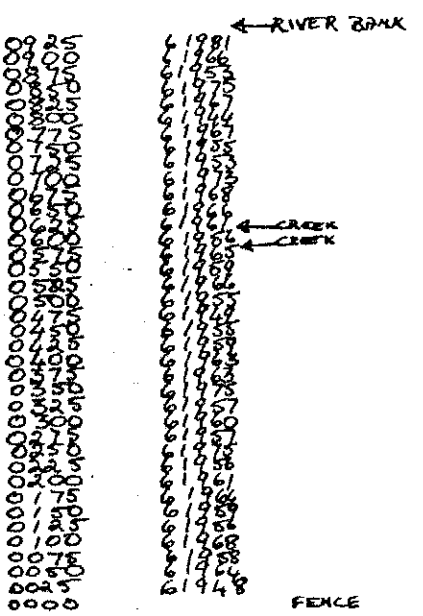
LINE E - (160°).

LINE D - 1400NE →	00000	62016
	00025	62001
	00050	61997
	00075	62028
	00100	62027
	00125	62045
	00150	62052
	00175	62046
	00200	62020
	00225	62015 ← FENCE
	00250	62015
	00275	62040
	00300	62043
	00325	61987
	00350	62014
	00375	62046
	00400	61991
	00425	62026 ← FENCE
	00450	61993 ← GULLY
	00475	62012
	00500	61998
	00525	62018
	00550	61936 ← DOLERITE OUTCROP
	00575	61930
	00600	62011
	00625	61989
	00650	61967
	00675	61992
	00700	61991
	00725	61986
	00750	61987
	00775	62018
	00800	61985
	00825	61998
	00850	61971
	00875	61979
	00900	61987
	00925	61989
	00950	61888

Line E

949049

LINE F - (345°)

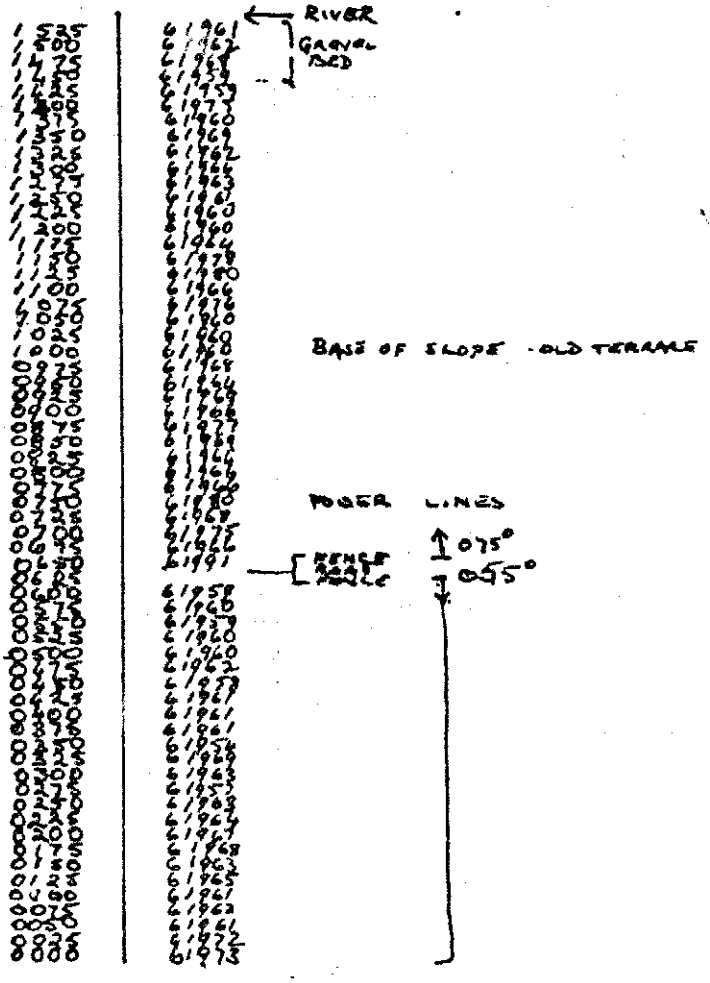


Line F

949050

010

LINE G - NE

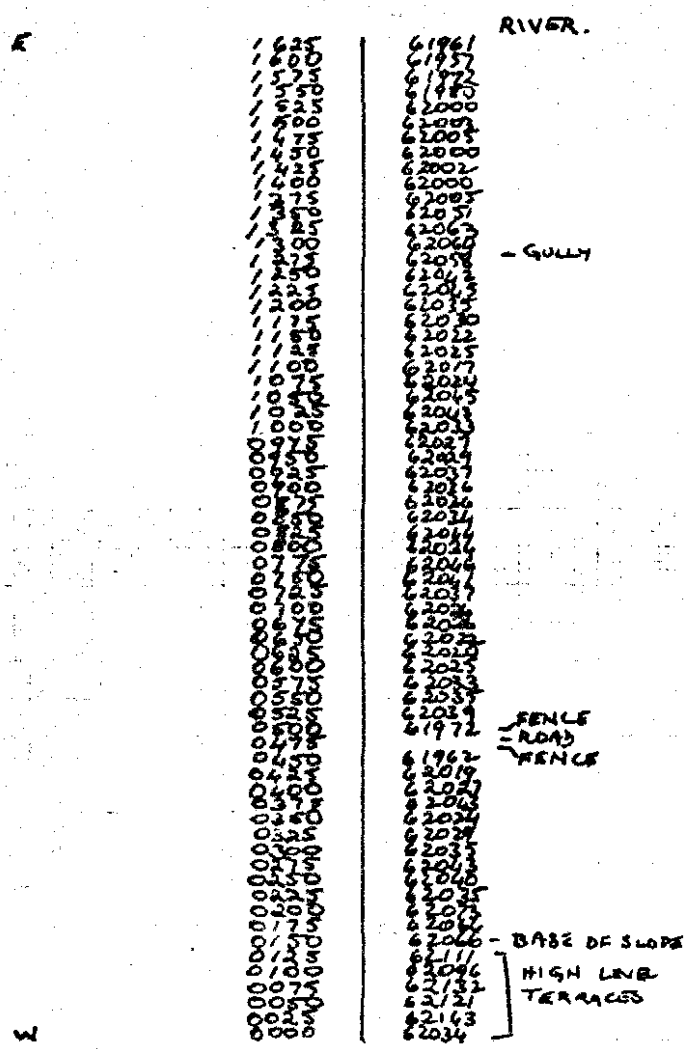


Line G

949051

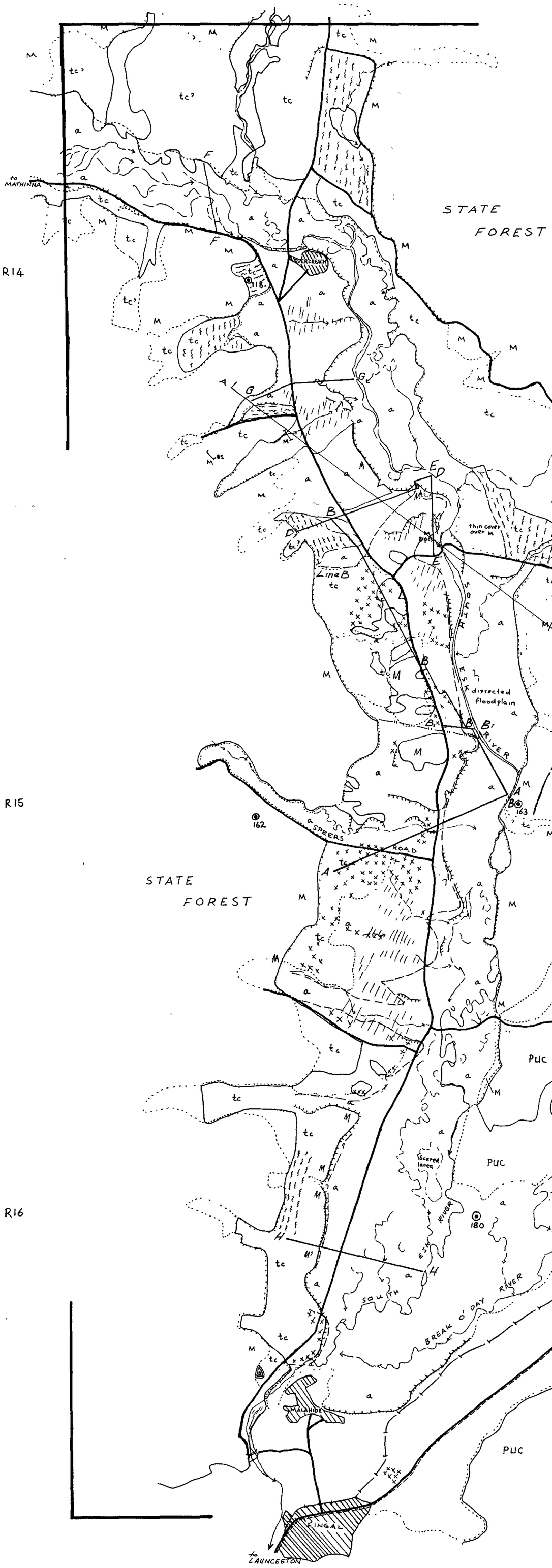
011

LINE H -(095°)



Line H.

012



N

9403052

AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	GOLD ALLUVIALS		R.A.T.S.
AREA	SOUTH ESK, TAS.		E.L 22/80
DATA	PHOTOGEOLOGICAL INTERPRETATION GEOLOGICAL MAPPING AND MAGNETIC TRAVERSES (black+white aerial photography - F596, 1979 - uncont' mosaic)		
COMPILED	JMG + SDM 10/80	SCALE	~ 1:42.000
DRAWN	JMG 10/80	REF No	74S-9-5
AMENDED	January 1981		

81-1578(1)(b)

REFERENCE

CAINOZOIC	HOLOCENE to PLEISTOCENE	a	floodplain alluvium - recent deposits of sand, gravel & clay, 'young' accumulation terrace material
		tc	slope colluvium veneer, may cover 'older' terrace material
			probable extent of dolerite
MESOZOIC	JURASSIC	×××	dolerite: probably dyke - crosses indicate area of outcrop &/or & plug like bodies large floaters
PALAEOZOIC	PERMIAN to UPPER CARBONIFEROUS	Puc	PARMEENER SUPER GROUP glacio-marine & fresh water sediments including coal measures
	LOWER DEVONIAN to CAMBRIAN?	M	MATHINNA BEDS fine grained, cleaved, clastic sediments

- geological boundary
- photolinear - fault/fracture
- 85 cleavage plane ↙ dip - Mathinna Beds
- floodplain terrace level or bench - hatching towards lower portion
- boundary of cleared land - grazing &/or cultivation
- area of felled trees
- area of dissection or erosion of terrace
- gravel pit
- drainage
- settlement
- unsealed road (Mathinna road is being upgraded)
- sealed road
- railway
- property boundary
- aerial photograph centre & No
- EL Boundary

——— Magnetic traverses, Lines A, B, B1, D, E, F, G, H

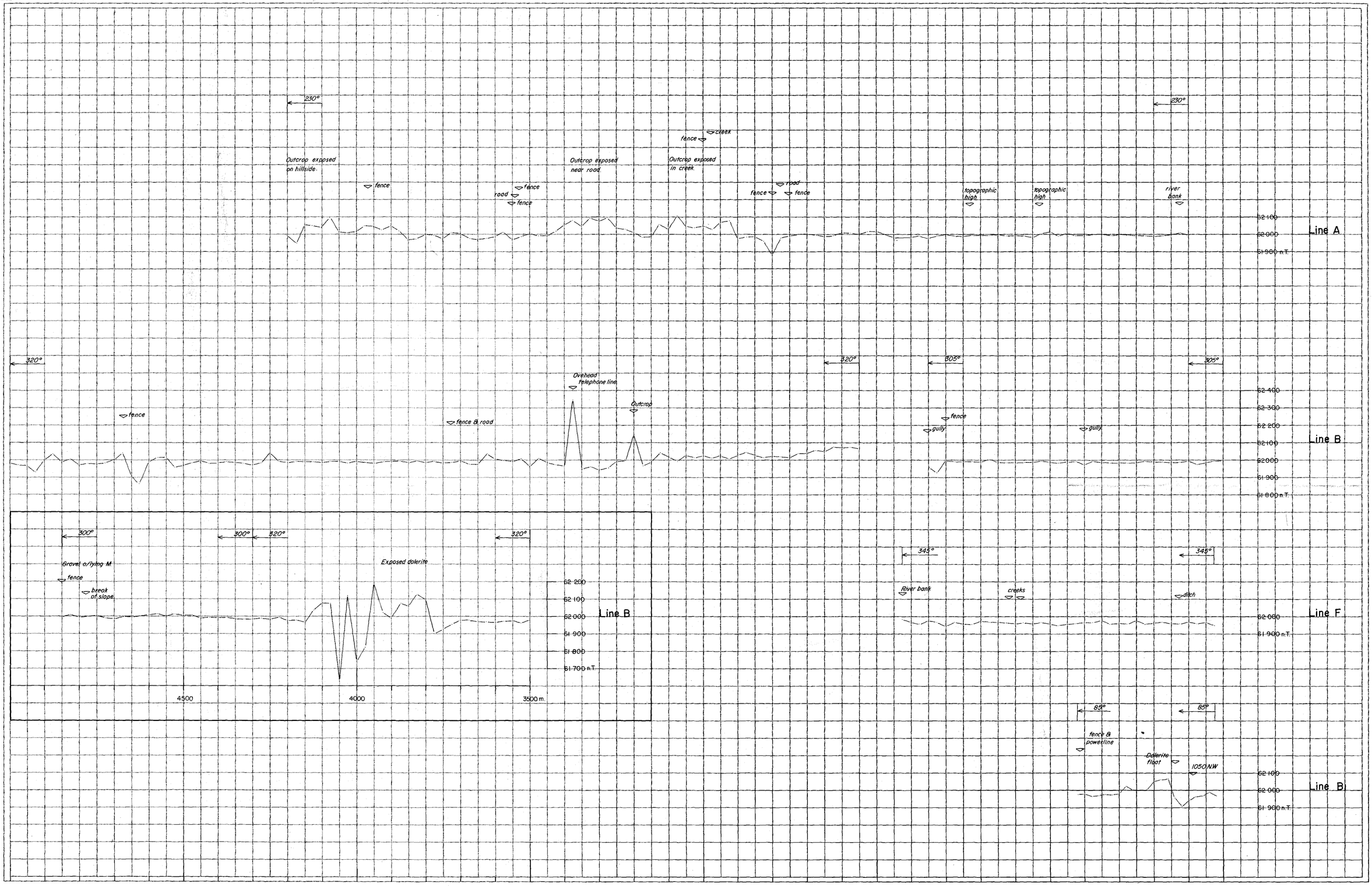
SCALE

0 1 2 3 kms

5 cm

Aerial Photography :
TAS Proj N° F596 Runs 14-16

013



949053

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

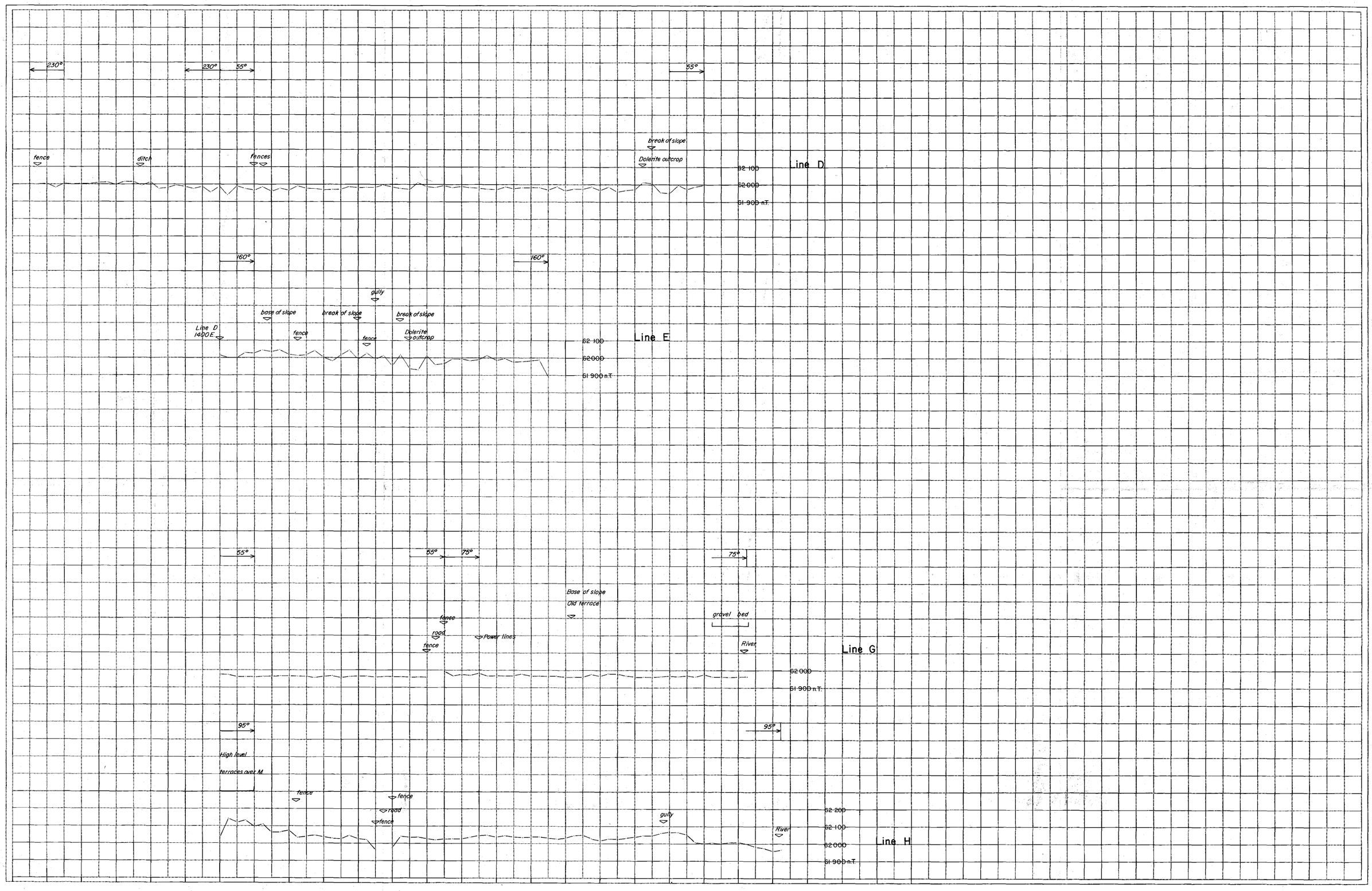
SOUTH ESK, E.L. 22/80

MAGNETIC PROFILES

LINES A, B, Bi, & F.

81-1579(9)16

DRAWN	L.L.
DATE	Jan. 1981
COMPILED	S.M.D.
SCALE	H, 2cm. : 100m
	TAS - 9 - 7



949054

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

SOUTH ESK, E.L. 22/80

MAGNETIC PROFILES

LINES D,E,G & H.

81-157803/6

DRAWN	L.L.
DATE	Jan. 1981
COMPILED	SMD
SCALE	H, 2cm. = 100m.
	TAS. — 9 — 8

000
81-1578 (5)

949055

of M. A.O. C.G. E.O. D.S.M.E.
gistrar
26 AUG 1981
E & IL
REF. No. 7356/81

AAC

ENCLOSURE

PROJECT NAME:

EXPLORATION LICENCE 22/80 TASMANIA

TITLE:

APPENDIX III

GEOLOGICAL LOGS OF DRILL CUTTINGS

Volume 5 of 6

OPEN FILE

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

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S:

DATE:

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

001

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA SHEET 1/4

Bore no.: A1 Commenced time: 9.30 AM Date: 17-1-81 Machine: CEMCO 210B Casing shoe diameter: EXT. 9.0 INT. 7.5

Off-set: — Completed time: 12.30 PM Date: 19-1-81 Foreman, panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) contained per cu. m. (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1m	Brown muddy gravels to ~ 0.4 m then ochre sandy gravels incl. quartz, felspar & sandstone				6.0	6.0		11.6					44.9					Cased only. All material flushed through casing
1-2	1m	Ochre sandy gravels with some mud. The gravels consist of quartz slate & sandstone				7.0	13.0		14.0					30.5	—				Cased only
2-3	1	Ochre sandy gravels with quartz & sandstone chips.				5.0	18.0		7.8					35.2					Treated then cased
3-4	1	" "				5.5			12.8					48.1					Water loss at ~ 3.5m ? old water course.
4-5		Khaki clayey sands				7.0			11.7					35.4	—				
5-6		Khaki clayey sands & silt.				4.5			6.6					26.8					Treated then cased

Bottomed / Unbottomed at 19.0 metres on Hutchinite bedrock

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

002

PROSPECT: E.L. 22/80 AREA: SOUTHESK STATE: TASMANIA

2/4

Bore no.: A1 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (kg)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
6-7	1	Pale ochre clay then brown quartz rich sands & silts				5.0			9.6					51.4	0.233 4.54				Trained then cored.
7-8	1	Grey brown muddy sands				7.0			13.5					45.9					
8-9	1	Grey brown sandy mud.				6.0			10.41					36.9	0.503 4.28				
9-10		Grey brown sandy mud				7.0			12.5					34.8					
10-11		Grey clay, black clayey sand. Some quartz chips at ~10.8 m.				5.0			9.8					45.0					
11-12		Quartz & blackschale chips with grey clay & black sand				6.0			11.2					39.3					Cored 11.0-11.5 but no recovery. Then Tricone to cored

Bottomed / Unbottomed at 19.0 metres on Metasiltstone bedrock.

Average field grade _____ g. per cu. m.

94057

003

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: E.L. 22/80 AREA: SOUTH ESK STATE: TASMANIA 3/4

Bore no.: A1 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au (mg) wt(g) per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
12-	1	Small shale & quartz				12.0			24.0					58.5	0.056 0.305				
13.		chips. Some quartz																	
		gravel & grey clay																	
13-	1	" " "				4.0			8.5					40.4					
14.																			
14-	1	Some small shale				6.0			11.5					40.3					
15		chips. Predominantly																	
		grey clay.																	
															0.030 0.592				
15-	1	Predominantly grey				7.0			12.2					52.0					
16		clay with quartz chips																	
16-		Grey clayey silts				6.0			11.9					43.0					
17																			
17-		4-5 cm of quartz chips				8.0			15.3					33.2					
18		+ thin grey clay,																	
		2-3cm quartz chips																	

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

94905

004

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

4/4

Bore no.: A1 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu.m.) section	THEORETICAL VOL (1000ths cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g) record.	FIELD CONCENTRATE Au(ppb)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
17-18		grey clay & sand.																	
(cont)		At ~17.9m. - fine													0.195				
		quartz chips & black													24.5				
		shale chips																	
18-		Black shale &				3.5			6.5					28.7						Treated, not cased
18.5		quartz chips																	
18.5-		Grey clay & quartz							2.0											Cored. Poor recovery
19.0		with weathered grey																		mainly clays.
		green shales																		
EOH.		Silts & clays				4.5			8.5					28.8	0.679 21.42					Recovered from sediment tank overflow.

Bottomed / Unbottomed at 19.0 metres on Shale bedrock

Average field grade g. per cu. m.

94959

005 949060

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/85 AREA [illegible] STATE [illegible]

BORE NUMBER A1 RECORDED BY [illegible]

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	11.6				
1-2	14.0				
2-3	7.8				
3-4	12.8				
4-5	11.7				
5-6	6.6				
6-7	19.6				
7-8	13.5				
8-9	10.4				
9-10	12.5				
10-11	9.8				
11-12	11.2				
12-13	24.0				
13-14	8.5				
14-15	11.5				
15-16	12.2				
16-17	11.9				
17-18	15.8				
18-18.5	6.5				
18.5-19.0	2.0				
EOH SILTS/CLAYS	8.5				

AUSTRALIAN ANGLO AMERICAN LIMITED

006 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: A2 Commenced time: 11.00 AM Date: 13.1.81 Machine: GEMCO 210B Casing shoe diameter: 9.0 CM. External 7.5 CM Internal. SHEET 1/4

Off-set: — Completed time: 1.15 PM Date: 16.1.81 Foreman/panner: A JACKSON Supervisor: S. SOUG (A-3)

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) per Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1m	1m.	Dark brown muddy sands incl. muscovite, qtz				1.0			2.2					22.6	0.098 4.35				Cased only. All material washed out during casing
1.0- 2.0	1m	Khaki muddy sands - medium to fine grained - incl. muscovite & quartz				5.5			7.8					50.6	0.253 5.00				" " "
2.0 -3.03	1.03	Orange-brown mud & quartz sands. Chips of dolerite at 2.35m then quartz sands & orange brown muds, then khaki muddy sands				11.0			19.6					48.9	0.324 6.62				Cased to 3.0m then tricone to 3.03m.
3.03 -4.0	0.97	Khaki muddy sands with some gravel.				9.0			16.4					69.9	0.393 5.69				Tricone to 4.0m then cased.
4.0- 5.0	1.0	Dolerite & quartz chips. Yellow brown clay & sands (cut).				6.0			11.1					31.9	0.059 1.85				Tricone then cased.

Bottomed / Unbottomed at 17.4 metres on Weathered bedrock

Slack

Average field grade _____ g. per cu. m.

006

AUSTRALIAN ANGLO AMERICAN LIMITED

007 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA 2/4

Bore no.: A2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 cu.m.) section	THEORETICAL VOL. (1000 cu.m.) cum	ACTUAL VOLUME section (1000 cu.m.)	ACTUAL VOLUME cum (1000 cu.m.)	ACTUAL VOLUME section vol rec.(%)	WT. OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m + 20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g.) recovd.	FIELD CONCENTRATE Au (mg) wt/gm Au (ppm) conc.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
4.0-		Blue-grey clay																	
5.0	(cont)	Blue-grey muddy																	
		sands with some																	
		gravel & chips.																	
5.0-	1m	Blue-grey micaceous				5.5			9.8					60.2					Cased then reamed
6.0		sandy clay with																	
		some coarse sands																	
6.0-		Blue-grey sandy				8.0			15.0					31.6					Triconed then
7.0m	1m	clay, yellow/ochre clay																	cased.
		then ochre/khaki													0.100 0.650				
		muddy sand.																	
7.0-		Black sandy clay				5.5			10.3					36.6					Triconed then cased
8.0m		Brown-grey clay																	
8.0-	0.5	yellow-black				6.5			13.4					24.5					Hole recased.
8.5		clayey sands																	Washed out 0.5m
8.5-		Black clayey				2.5[1]			4.8					70.8					Triconed then
9.5	1m	sands				3.3[2]			4.6										cased - sampled
9.5-		Dark grey clayey				3.0			5.2					9.6					separately
10.5	1m	sands - very fine																	Cased only - all
		grained.																	material weighed and

1 Drilled
2 Cased

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9460062

AUSTRALIAN ANGLO AMERICAN LIMITED

008

PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA

3/4

Bore no.: A2 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) wt (g) per Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
10·5	1m	Black clayey sand				12·5			24·3					49·2					Tr coned then
11·5															0·239 1·197				cased
11·5																			
12·5	1m	Black clayey sands				3·0			4·8					21·0					Cased then tr coned
12·5		Fine grey-black				4·5			5·8					47·4					Tr coned then cased
13·5	1m	Sandy clay																	
13·5		Grey-black sandy				4·5			9·0					37·6					" "
14·5	1m	clay.																	
14·5																			
15·5	1m	" " "				2·0			3·4					25·6					" "
15·5															0·326 2·40				
16·5	1m	Grey-black sandy clay																	
		with minor				3·5			6·0					34·5					
		& some fine clasts																	
16·5	1m	Quartz & shale clasts				2·5			4·4					38·1					
17·4		with grey sandy																	
		clay																	
17·4	0·5m	Black-grey green shale							2·2										Core only
17·9		with minor fine vns.																	
		Shattered at ~17·85 m.																	

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

009 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA.

4/4

Bore no.: A2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 tns. cu.m)	cum. (1000 tns cu.m.)	section vol. rec.(%)	(Kg.)	SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	Au (mg) weight per Au (ppm) volume	metre-gram	cum. metre-grom	prog. wt. (g.) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
EOH		Silts & clays.				6.0			10.8					18.8	0.118 6.30				Collected from
																			abrasion tray in
																			sediment catcher

Bottomed / Unbottomed at 17.9 metres on Shale bedrock

Average field grade _____ g. per cu. m.

94906

949065

010

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA. ~~[illegible]~~ SOUTH ESK STATE. TASMANIA.

BORE NUMBER. A2. RECORDED BY. S. DUGGAN.

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1 m	2.2				
1-2	9.8				
2-3.03	19.6				
3.03-4.0	16.9				
4.0-5.0	11.1				
5.0-6.0	9.8				
6.0-7.0	15.0				
7.0-8.0	10.3				
8.0-8.5	13.4				
8.5-9.5 (Drilled only)	4.8				
8.5-9.5 (Cased)	4.6				
9.5-10.5	5.2				
10.5-11.5	24.2				
11.5-12.5	4.8				
12.5-13.5	8.8				
13.5-14.5	9.0				
14.5-15.5	3.4				
15.5-16.5	6.0				
16.5-17.4	4.4				
17.4-17.9	2.2				
EOH SLUDGE/CLAYS	10.9				

AUSTRALIAN ANGLO AMERICAN LIMITED

011 PROSPECT: EL. 22/80 AREA: SOUTH ESK STATE: TASMANIA 1/4

Bore no.: A3 Commenced time: 730AM Date: 1.2.81 Machine: GEMCO 210 B Casing shoe diameter: External 9.0 cm. Internal 7.5 cm.

Off-set: 12.75M Mag 318° Completed time: 4.15 PM Date: 2.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS.

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) assay Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-grom	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown muddy sands				8.0	8.0		11.1					28.9	0.046 1.59				Cased only
1-2	1	Brown-khaki clays with sand & gravel & chips of quartz				8.5	16.5		14.7					37.6	0.772 11.52				Drilled then cased
2-3	1	Quartz sands & gravel; chips of dolerite quartz & shale with khaki-ochre clays				10.5	27.0		21.7					29.4					Water & sample loss through gravels
3-4	1	Gravel & chips of quartz sandstone & dolerite; some sands & khaki ochre clays				4.0	31.0		6.4					26.2	0.042 1.60				
4-5	1	Grey silty clays				7.0	38.0		13.6					24.6	0.153 6.20				Recased from 1-5m -all material included in sample.

Bottomed / Unbottomed at 23 metres on Mudstone bedrock

Average field grade _____ g. per cu. m.

CONFIDENTIAL

012

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

2/4

Bore no.: A3 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs cu.m.)	ACTUAL VOLUME cum. (1000 lbs cum.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm.	WT.(%) SANDS/GRAVELS -10 m + 20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt. (g.) record.	FIELD CONCENTRATE Au (mg) per dwt. Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
5-6	1	Grey clay; coarse gravel & chips of quartz, sandstone, slate & dolerite; grey sandy clays				6.0	46.0		6.7					29.0	0.193 3.37				
6-7	1	Dark grey sandy clays				3.5	47.5		5.4					28.2					
7-8	1	" " "				6.5	54.0		10.3					27.4					
8-9	1	" " "				5.0	59.0		6.5					34.3	0.282 3.14				
9-10	1	" " "				7.0	66.0		10.7					28.0					
10-11	1	" " "				6.0	72.0		8.6					20.0					
11-12	1	" " "				5.0	77.0		9.7					28.0					
12-13	1	" " "				6.0	83.0		9.3					20.9	0.062 0.56				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

19006

AUSTRALIAN ANGLO AMERICAN LIMITED

013

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: A3 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ 3/4

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (dwt/cu.yd.) per cum. Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
13-14	1	Dark grey silty clay				3.5	86.5		5.6					19.0					
14-15	1	" " "				4.5	91.0		7.2					22.1					
15-16	1	" " "				5.0	96.0		8.7					19.3					
16-17	1	Dark grey silty clay, some sand				6.0	102.0		12.6					23.0					
17-18	1	Dark grey silty clay				6.0	108.0		9.9					19.1	1.314 x 1.33				
18-19	1	" " "				5.0	113.0		8.0					26.8					
19-20	1	" " "				5.5	118.5		8.0					21.1					
20-21	1	" " "				4.0	122.5		6.7					27.2					
21-22	1	" " "				1.0	123.5		1.9					21.2					Sample lost on loss during casing

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

940063

014

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

4/4

Bore no.: A3 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au (any units) per pan Au (gm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
22-23	1	Black shales & laminated mudstone																	Cored only. Recovered 0.8m.
0-23		Silts & clays				3.5	127.0		5.7					29.1	0.231 7.94				

Bottomed / Unbottomed at 23 metres on Shale bedrock

Average field grade _____ g. per cu. m.

0650

949070

015

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL. 22/80 AREA. SOUTH. ESK STATE. TAS.....

BORE NUMBER. A3..... RECORDED BY. A. JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) to -25*			
0-1	11.1	0.6			10.5
1-2	14.7	6.9			7.8
2-3	21.7	10.1			11.6
3-4	6.4	4.3			2.1
4-5	13.6	1.6			12.0
5-6	6.7	1.4			5.3
6-7	5.4	0.7			4.7
7-8	10.3	1.8			8.5
8-9	6.5	1.1			5.4
9-10	10.7	2.0			8.7
10-11	8.6	1.7			6.9
11-12	9.7	1.5			8.2
12-13	9.3	1.7			7.6
13-14	5.6	1.5			4.1
14-15	7.2	1.4			5.8
15-16	8.7	1.7			7.0
16-17	12.6	2.0			10.6
17-18	9.9	2.1			7.8
18-19	8.0	1.5			6.5
19-20	8.0	1.6			6.4
20-21	6.7	0.6			6.1
21-22	1.9	0.2			1.7
FOH SILTS 0-23	5.7	0.5			5.2

AUSTRALIAN ANGLO AMERICAN LIMITED

016 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: B1-9 Commenced time: 3.45PM Date: 18.3.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0cm Internal 7.5cm SHEET 1/2

Off-set: — Completed time: 6.00 PM Date: 19.3.81 Foreman panner: A.JACKSON Supervisor: J.DOUGLAS

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.) section	THEORETICAL VOL. (1000ths cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT. OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g.) recovd.	FIELD CONCENTRATE Au (mg/kg) per cu.m. Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu.m.	REMARKS
0-1	1	Ochre sands & gravels	F			7.0	7.0		13.3					12.50	— —				Cased only
1-2	1	" " "	F			7.0	14.0		17.5					10.95	— —				Drilled then cased.
2-3	1	Ochre clays	M			6.0	20.0		9.3					9.37	— —				" " "
3-4	1	Ochre sandy clays	M			7.0	27.0		11.2					11.24	— —				
4-5		" " "	M			7.0	34.0		12.9					14.46	— —				
5-6		" " "	M			8.0	42.0		15.7					14.50	— —				
6-7		" " "	M			9.0	51.0		17.7					11.12	— —				
7-8		" " "	M			7.0	58.0		10.2					16.09	— —				
8-9		" " "	M			6.0	64.0		9.4					14.00	— —				
9-10		" " "	M			6.0	70.0		10.9					7.50	— —				

Bottomed / ~~Abandoned~~ at 16.0 (13) metres on Mathinna Beds bedrock

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

017 PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

SHEET 212

Bore no.: B1-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) record.	FIELD CONCENTRATE Au (mg) max. Au (ppb)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
10-11		Ochre sandy clays	M			7.0	77.0		13.0					11.15	-	-			
11-12		" " "				10.0	87.0		17.7					11.75	-	-			
12-13		" " "				5.0	92.0		9.9					13.65	-	-			
13-14		Weathered, grey laminated shales																	CORED Recovered 1.0m.
		EOH SILTS				4.0	96.0		6.7					11.66	-	-			

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9490/2

018

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949073

PROJECT NUMBER. EL 22/80.. AREA. SOUTH EK.. STATE. TASMANIA..

BORE NUMBER... B1-A... RECORDED BY.. A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
			-10mm to -20# (Kg)		
0-1	13·3		6·5		6·8
1-2	17·5		5·3		12·2
2-3	9·3		1·7		7·6
3-4	11·2		0·5		10·7
4-5	12·9		1·2		11·7
5-6	15·7		1·5		14·0
6-7	17·7		1·2		16·5
7-8	10·2		0·5		9·7
8-9	9·4		0·7		8·7
9-10	10·9		1·7		9·2
10-11	13·0		0·8		12·2
11-12	17·7		0·7		17·0
12-13	9·9		0·5		9·4
EOH SILTS.	6·7		0·7		6·0

AUSTRALIAN ANGLO AMERICAN LIMITED

019 PROSPECT: EL 2180 AREA: SOUTH EAST STATE: TASMANIA

Bore no.: B1 Commenced time: 7.30 AM Date: 29.1.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 cm. Internal 7.5 cm. SHEET 1/5

Off-set: 100m → 231° Completed time: 11.30 AM Date: 31.1.81 Foreman ponner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au (mg) assay Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
0-1		Ochre clays with sandy & gravels		5.4		8.0	8.0		11.6					36.9	0.327 9.14				Cased only
1-2		Coarse gravel & chips of quartz and sandstone with red-ochre clays		5.4		15.0	23.0		14.5					30.5					Drilled then cased. Clays difficult to settle. Sample included large amounts of water.
2-3		Coarse gravel & chips of quartz & sandstone with red-ochre clays		5.4		12.0	35.0		17.0					34.2	0.445 5.62				" "
3-4		" "		5.4		16.0	51.0		19.2					30.5					" "
4-5		" "		5.4		14.0	65.0		18.9					19.5					" "
5-6		Coarse gravel & chips of sandstone. Some		5.4		13.0	78.0		19.1					36.4	0.083 2.29				" " colours of Fe.

Bottomed / Unbottomed at 35.0 metres on Mathinna bedrock.

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

020

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: B1 Commenced time: Date: Machine: Casing shoe diameter: 2/5

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	g.s.(sand/gravel) per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
5-6		ochre clays	S	S															
(WN)																			
6-7		Ochre clays with some sand & gravel		5.4		13.0	91.0		19.8					21.7					
7-8		Coarse gravels & sand		5.4		5.0	76.0		6.5					34.4					
8-9		Ochre clays with coarse gravels sand		5.4		11.0	107.0		14.7					33.5	0.703 0.798				
9-10		Ochre clays.		5.4		8.0	115.0		6.9					19.2					
10-11		Ochre clays with some quartz & sandstone gravels.		5.4		11.0	126.0		11.2					17.2					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9490/75

AUSTRALIAN ANGLO AMERICAN LIMITED

021

PROSPECT: EL 22/80 AREA: SOUTH EEC STATE: TASMANIA

Bore no.: B1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____

Collar level: _____

3/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.) section	THEORETICAL VOL (1000 lbs. cu.m.) cum	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g.) recovd.	FIELD CONCENTRATE Au (mg. visible) Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
11-12		Red-ochre clays with some quartz & sandstone chips		5.4		11.5	137.5		12.0					18.0	0.060 1.62				
12-13		Red-ochre clay with some sand.		5.4		12.0	149.5		11.1					19.3					
13-14		" " "		5.4		14.0	163.5		17.1					21.8	14.663 194.97				
14-15		" " "		5.4		14.0	177.5		20.2					22.6					
15-16		Ochre clay with some gravels		5.4		12.0	189.5		10.5					80.5					
16-17		Ochre-khaki clay with some sand.		5.4		8.0	197.5		10.1					25.8					
17-18		Ochre clays with some sands & gravels		5.4		9.0	206.5		12.2					30.8					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

022

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

4/5

Bore no.: B1. Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman, panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths. cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20#	CLAY	actual wt (g) record	Au (mg/kg) per Au (ppm)	metre-gram	cum. metre-grom	prog. wt.(g) per cu. m.	
18-19		Ochre clay with some Sands & gravels		5.4		9.0	215.5		14.2					10.1					
19-20		" "		5.4		8.0	223.5		9.8					7.0	0.071 0.29				
20-21		" "		5.4		7.0	230.5		10.1					24.0					
21-22		Ochre clay with Some Sands		5.4		10.0	240.5		7.8					66.0					
22-23		" " "		5.4		8.0	248.5		5.4					14.9					
23-24		Ochre-khaki clays		5.4		6.0	254.5		5.6					20.4					
24-25		" "		5.4		7.0	261.5		4.8					38.6					
25-26		" "		5.4		10.0	271.5		10.4					16.5					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

023 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA 5/5

Bore no.: B1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE QU (mg/kg) aver. AU (ppm) conc.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
26-27		Ochre. lateritic clays		5.4		7.0	278.5		12.0					6.6					Trenched only
27-28		" " "		5.4		7.0	265.5		10.9					32.7					" "
28-29		Khaki silty clays		5.4		6.0	241.5		5.3					74.4	0.076 0.42				" "
29-30		" " "		5.4		4.0	225.5		6.5					17.3					" "
30-31		" " "		5.4		4.0	209.5		3.3					24.2					" "
31-32		Grey-green weathered slates & clays		5.4										.					Cored only
29-32		Khaki silty clays		5.4		13.0	312.5		21.5					26.4					Hole reamed from 29-31, then cored.
EOH 0-32		Silts & gravels							23.0					18.5	0.157 8.5				

Bottomed / Unbottomed at 32.0 metres on Mathinna bedrock Slates

Average field grade _____ g. per cu. m.

94 0076

940079

024

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER.. B.7..... RECORDED BY.. A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) -20 H	- [illegible] (Kg)	- [illegible] (Kg)	
0 - 1	11·6	3·0			8·6
1 - 2	14·5	6·4			8·6
2 - 3	17·0	7·2			9·8
3 - 4	19·2	10·9			8·3
4 - 5	18·9	8·8			10·1
5 - 6	19·1	8·0			11·1
6 - 7	19·8	8·9			10·9
7 - 8	6·5	3·2			3·3
8 - 9	14·7	5·3			9·4
9 - 10	6·9	1·3			5·6
10 - 11	11·2	1·6			9·6
11 - 12	12·0	2·8			9·2
12 - 13	11·1	1·9			9·2
13 - 14	17·1	3·1			14·0
14 - 15	20·2	3·1			17·1
15 - 16	10·5	1·9			8·6
16 - 17	10·1	1·2			8·9
17 - 18	12·2	1·1			11·1
18 - 19	14·2	1·6			12·6
19 - 20	9·8	1·0			8·8
20 - 21	10·1	1·7			8·4
21 - 22	7·8	1·2			6·6
22 - 23	5·4	0·9			4·5
23 - 24	5·6	0·9			4·7
24 - 25	4·8	0·5			4·3
25 - 26	10·4	0·7			9·7
26 - 27	12·0	0·4			11·6

949080

025

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.4.22/80 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER. 131 RECORDED BY.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) -20#			
27-28	10·9	1·5			9·4
28-29	5·3	1·7			3·6
29-30	6·5	0·5			6·0
30-31	3·3	0·3			3·0
29-32	21·5	1·8			19·7
EOH SILTS 0-32	23·0	1·7			21·3

AUSTRALIAN ANGLO AMERICAN LIMITED

026 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

1/6

Bore no.: B2 Commenced time: 7.45 AM Date: 20.1.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 Internal 7.5

Off-set: 32m → 028° Completed time: 1.00 PM Date: 28.1.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m + 20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE wt. (g) per cu.m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown topsoil, & ochre clays with quartz & sandstone gravels				7.0			13.4					60.7					Cased then drilled.
1-2		Ochre clays with quartz & sandstone gravels. ~~Some~~ Red clays at ~1.6m.				4.0			7.4					53.7					Drilled then cased
2-3		Red clays, ochre clay with quartz gravels & sandstone chips				10.0			18.4					43.7					
3-4		Gravel & chips of quartz alternating with ochre clays layers				7.5			14.6					50.0					

Bottomed / Unbottomed at 28.0 metres on Massive bedrock Shales

Average field grade _____ g. per cu. m.

94908

027

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: B2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ 2/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	wt. (g.) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
4-5	1	Quartz & sandstone chips & gravel with ochre clays				12.0			21.2					33.1					Clays formed thick slime. ~~from~~ – did not flow. enough recoil. Cased to 4.6m. Pulled casing due to heavy ground.
															0=4m				
															2.015 mg.				
															(5.84 ppm)				
0-5	15	Ochre & red clays with quartz & sandstone gravels.				26.0			25.0					5					Reamed with large tricone bit then recased. Sample taken at end of 5m.
5-6	1	Ochre clays & quartz gravels, with some sandstone & dolerite chips.				13.5			22.4					50.4					Treated then cased.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

028

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

3/6

Bore no.: B2 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m)		ACTUAL VOLUME			WT OF MATERIALS (Kg)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs cu.m)	cum (1000 lbs cu.m)	section vol rec (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd	Au (gm) per Au (mm)	metre-gram	cum metre-gram	prog wt (g) per cu. m.	
6-7		Ochre clays with quartz & sandstone chips & gravels				18.0			27.2					48.5					Drilled Then cased
7-8		Quartz & shale chips, then stiff ochre clays				7.0			14.3					49.8	8.267 166.0				Colours of Au.
8-9		Stiff ochre clays with some sandy clays at ~8.9m				9.0			9.2					47.1	0.022 0.261				
9-10		Ochre sandy clays with some coarse gravel & qtz chips				9.0			11.7					36.2					
10-11		Ochre - khaki sandy clays				10.5			15.7					34.2					Colours of Au.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9490883

AUSTRALIAN ANGLO AMERICAN LIMITED

029

PROSPECT: EL 22/80 AREA: SOUTHESK STATE: TASMANIA

Bore no.: B2 Commenced time: Date: Machine: Casing shoe diameter: 4/6

Off-set: Completed time: Date: Foreman/panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE Au (mg) per Au (ppb)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
11-12		Khaki sandy clays				5·5			12·5					31·1	0·017 0·143				
12-13		Khaki sandy Clays				4·5			7·3					22·4					
13-14		" " "				6·5			9·3					39·0					
14-15		Khaki - ochre sandy clay				7·5			11·7					43·5					
15-16		" "				6·5			7·0					31·3					
16-17		Khaki clayey silts	S			7·0			7·7					32·3	0·211 0·142				Stiff clay on mcone bit
17-18		" " "				8·2			9·6					25·1					
18-19		Khaki - ochre clayey sands with some shale chips				5·0			13·1					27·1					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94 0084

AUSTRALIAN ANGLO AMERICAN LIMITED

030 PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA 5/6

Bore no.: B2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 tns. cu.m.)	cum. (1000 tns. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd	Au (mg/cu.m) Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
18-19		Coarse quartz gravels																	
(Cont)																			
19-20		Khaki - ochre clayey sands with quartz gravel & shale chips.				7.0			7.8					27.1					
20-21		Ochre clay with some silt.				9.0			14.1					24.8					
21-22		" " "				4.0			3.6					36.6					Drilled only, not cased ∴ smaller samples.
22-23		Khaki clay with some sand				3.0			2.3					36.9					
															0.074 0.346				
23-24		" " "				4.0			5.7					45.1					
24-25		Green khaki clay				6.0			4.2					22.1					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

031

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH EST STATE: TASMANIA

6/6

Bore no.: B2 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman, penner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (eq. assay) conc. (ppm)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
25		Grey-green clay				5.0			5.5					26.4					Treated only
26		with some silts																	
26		" " "				4.0			12.9					48.5					" "
27																			
27	1	Grey-green weathered																	Cored only.
28		Shales.																	Recovered .75 m of
																			core.
EOH	28	Silts & clays.							12.9		1.3		11.6	33.9	0.277 x.16				

Bottomed / Unbottomed at 28.0 metres on Mathinna bedrock
Shales

Average field grade _____ g. per cu. m.

949087 1/2

032

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E4.22/89 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER. 32 RECORDED BY. A. TAGGART

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) to -20#	-10mm (Kg)		
0-1	13.4	2.1			11.3
1-2	7.4	0.9			6.5
2-3	18.4	5.0			13.4
3-4	14.6	6.1			8.5
4-5	29.2	11.0			18.2
* 0-5	28.0	5.1			22.9
5-6	22.4	7.6			14.8
6-7	27.2	11.4			15.8
7-8	14.3	3.6			10.7
8-9	9.2	2.0			7.2
9-10	11.7	2.2			9.5
10-11	15.7	4.1			11.6
11-12	12.5	2.5			10.0
12-13	7.3	1.0			6.3
13-14	9.3	1.7			7.6
14-15	11.7	1.8			9.9
15-16	7.0	0.8			6.2
16-17	7.7	1.5			6.2
17-18	9.6	1.4			8.2
18-19	13.1	3.3			9.8
19-20	7.8	0.9			6.9
20-21	14.1	3.5			10.6
21-22	3.6	0.7			2.9
22-23	2.8	0.2			2.6
23-24	5.7	1.2			4.5
24-25	4.2	0.2			4.0
25-26	4.8	0.4			4.4

949088 2/2

033

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER... 32..... RECORDED BY.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
26 - 27	5.5	1.1			4.4
FLUVIAL SILTS 0 - 28	12.9	1.3			11.6

034

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: B4 Commenced time: 4.30 PM Date: 9.1.81 Machine: GEMCO D10B Casing shoe diameter: External 9.0cm. Internal 7.5

Off-set: Completed time: 1.00 PM Date: 10.1.81 Foreman, panner: A JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) record	Au (mg) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
0.0	1.4	Ochre clayey sand, fine grained.				1.5	1.5		2.6					39.7	0.008 0.30				May have been sediment loss with water escaping before reaching sediment taut
1.4																			
1.4	1.0	Some dolerite				5.0	6.5		9.3					97.9	1.981 48.57				
2.4		chips & quartz gravel. Mainly dark grey clayey mud																	
2.4	1.5	~~Sand~~ Dark grey				8.0	14.5		13.2					61.2	0.017 1.50				Glauc.
3.9		clayey mud																	
3.9	1.7	Chips of fine grained				3.0	17.5		4.5					14.5	0.121 71.43				
5.6		Sandstone & Shale.																	
		with yellow-brown clay																	
5.6	0.4	Fine grained silt-																	Core only.
6.0		stone. Mathinna																	
		Beds																	
EOH		Muds & Silt - yellow brown				1.0	18.5		0.85					11.3	-				

Bottomed / Unbottomed at 6.0 metres on Mathinna Siltstone bedrock

Average field grade _____ g. per cu. m.

035

949090

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L. 22/80. AREA. SOUTH ESK.. STATE. TASMANIA.

BORE NUMBER....B4..... RECORDED BY...S.M.D[illegible]...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1.4	2.6 kg				
1.4-2.4	9.3 kg				
2.4-3.9	13.2				
3.9-5.6	4.5				
5.6-6.0					
EOH SILTS	0.85				

AUSTRALIAN ANGLO AMERICAN LIMITED

036

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

core diameter 0.05m. Intend 0.07m Extend.

Bore no: B-5 Commenced time: 3.00 PM Date: 8.1.81 Machine: GEMCO 2108 Casing shoe diameter:

Off-set: Completed time: 1.45 PM Date: 9.1.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum. (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20#	WT(%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd	FIELD CONCENTRATE Au (ppm) per metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-0.75	0.75	Fine gravelly sands & dolerite boulders				10.0	10.0		0.8					46.3	-			Inclined then cored through boulders
0.75 - 1.7	0.95	Sandstone & Quartz gravel & chips with some dolerite				6.5	16.5		15.6					40.7	0.005 2.83			Gravels cored.
1.7 - 3.5	1.8	Quartz & sandstone gravels, conglomerate core				9.5	26.0		76.85					114.3				Inclined then cored from 3.0-3.5
3.5 - 4.0	0.5	Mathinna Red conglomerate large quartz & sandstone cobbles in grey-green siliceous matrix.				—			1.8									Cored only.
		0-4.0m													0.005 0.86			

Bottomed / Unbottomed at 3.5 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

94 0091

949092

037

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. F.4.22/80 AREA. SOUTH EAST. STATE. TASMANIA.

BORE NUMBER. B.5..... RECORDED BY. SMD.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0 - 0.75m	0.8 kg.				
0.75 - 1.7	15.6 kg	2.8			
1.7 - 3.5	16.85kg.				
3.5 - 4.0	1.8kg				

038

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: B6 Commenced time: 2.00 PM Date: 15.3.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0cm Internal 7.5cm

Off-set: — Completed time: 6.00 PM Date: 15.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m)	ACTUAL VOLUME cum (1000ths cu.m)	ACTUAL VOLUME section vol. rec.(%)	WT. OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm.	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) record.	FIELD CONCENTRATE Au (mg) assay per cent Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sands & silt	F			7.0	7.0		10.3					20.15	—				Cased only
1-2	1	Brown Sandy gravels	F			8.5	15.5		14.7					11.46	0.004 0.305				Drilled, then cased. (1 colour)
2-3	1	Coarse gravels & chips of quartz, sandstone shale & dolerite	F			10.0	25.5		19.0					7.85	0.495 63.06				
3-4	1	Grey clayey sands	M			10.0	35.5		18.4					9.71	0.004 0.412				
4-4.5	0.5	Grey sandy clay	M			3.0	38.5		5.7					8.00	—				
4.5-5.5	1	Black laminated shales																	CORED. RECOVERED 1.0m
		EOH SILTS				3.0	41.5		4.9					8.90	FR 0.025				

Bottomed / [redacted] at 4.0 metres on Mathinna Beds bedrock

Average field grade _____ g. per cu. m.

039

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949094

PROJECT NUMBER. EL.22/80. AREA. SOUTH ESK... STATE. TASMANIA.

BORE NUMBER....B6..... RECORDED BY....A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
			-10mm to -20# (Kg)		
0-1	10·3		3·8		6·5
1-2	14·7	1 COLOUR	8·3		6·4
2-3	19·0		14·1		4·9
3-4	18·4		9·3		9·1
4-4·5	5·7		1·9		3·8
EOH. SILTS	4·9		0·5		4·4

AUSTRALIAN ANGLO AMERICAN LIMITED

040

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no: B7 Commenced time: 8.15AM Date: 16.3.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.0cm Internal 7.5cm

Off-set: — Completed time: 2.00PM Date: 16.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS.

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
0-1	1	Brown sand & silt	F			5.0	5.0		10.0					4.95	—				Cased only.
1-2	1	Ochre clays	S			7.0	12.0		10.7					13.75	—				Drilled then cased.
2-3	1	Ochre sandy clays	M			9.0	21.0		12.1					16.20	—				
3-4	1	" " "	M			7.0	28.0		12.8					10.14	—				
4-5	1	Grey-ochre clay	S			1.0	29.0		1.9					11.89	—				
5-6	1	Grey laminated shales																	CORED. Recovered 0.4m.
		EOH Silts				2.0	31.0		1.3					10.40	—				

Bottomed / [redacted] at 5.0 metres on Mathinna bedrock Shales

Average field grade _____ g. per cu. m.

9400 93

041

949096

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L.22/80. AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER....B7..... RECORDED BY...A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels	-10mm +0 -20# (Kg)		Clay (Kg)
0 - 1	10·0		2·0		8·0
1 - 2	10·7		1·0		9·7
2 - 3	12·1		1·4		10·7
3 - 4	12·8		2·6		10·2
4 - 5	1·9		0·2		1·7
EOH SILTS	1·3		0·1		1·2

AUSTRALIAN ANGLO AMERICAN LIMITED

042

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C1 Commenced time: 3.00 PM Date: 4.2.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 cm. Internal 7.5 cm.

Off-set: 200m → 227° Completed time: 12.00 PM Date: 5.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT. OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS wash rem.	WT.(%) SANDS/GRAVELS -10 m +20#	WT.(%) SANDS/GRAVELS -20#	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g.) recovd.	FIELD CONCENTRATE Au (ppm)	FIELD CONCENTRATE Au g/gram or %	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
0-1	1	Dark brown sand & silt	F			3.5	3.5		4.7					16.02	—				Cased only.
1-2	1	Dark brown sands. Gravel & chips of quartz shale & sandstone	F			4.5	8.0		4.6					15.76	TR 0.016				Drilled then cased.
2-3	1	Quartz, shale & sandstone chips & gravels.	F			0.5	8.5		0.9					12.03	—				Loss of water & sample through gravels.
3-4	1	Sand; quartz, shale & sandstone chips & gravels	F			4.0	12.5		7.9					19.14	—				
4-5	1	Grey clays & sand	S			4.0	16.5		4.4					19.24	—				
5-6		Grey clay	S			3.0	19.5		2.0					16.92	—				

Bottomed / Unbottomed at 5.0 metres on Mathinna Shales bedrock

Average field grade _____ g. per cu. m.

94 0 0 6 9

AUSTRALIAN ANGLO AMERICAN LIMITED

043 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA 2/2

Bore no.: C1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd	wt.(g) per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
6-7	1	Highly weathered	S																Cored. Recovered
		grey-green shales																	0.56 m.
EOH		Silts & clays				3.0	225		2.2										
														6.55	—				

Bottomed / Unbottomed at 5.0 metres on Mathinna bedrock

Average field grade _____ g. per cu m.

9400646

949099

044

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/80 AREA SOUTH ESK STATE TASMANIA

BORE NUMBER C.1 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		- 10mm (Kg) to - 20#	[illegible]mm	[illegible]	
0-1	4.7	0.7			4.0
1-2	4.6	3.6			1.0
2-3	0.9	0.5			0.4
3-4	7.9	5.8			2.1
4-5	4.4	0.3			4.1
5-6	2.0	0.05			1.95
EOH SILTS 0-7*	2.2	<0.05			~2.15

*NB: ENTIRE GRAVEL SAMPLE OBTAINED HAS BEEN PLACED IN SAMPLE BAG.

AUSTRALIAN ANGLO AMERICAN LIMITED

045 PROSPECT: EL. 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C2 Commenced time: 9.00 AM Date: 3.2.81 Machine: GEMCO 210B Casing shoe diameter: EXT. 9.0 INT. 7.5

Off-set: 200 m Bearing 237° Completed time: 11.30 AM Date: 4.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu m.) section	THEORETICAL VOL. (1000 tns. cu m.) cum.	ACTUAL VOLUME section (1000 tns. cu.m.)	ACTUAL VOLUME cum. (1000 tns. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE Au (mg per Au (ppm))	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown sand & silty, some quartz gravels				4.5	4.5		6.3					30.0	TR 0.008				Cased only
1-3	2	Brown sand with gravels & chips of quartz & sandstone				1.0	5.5		2.5					21.15	–				Water & Sample Loss through gravels Drilled thru cased.
3-4	1	Ochre clay; sand gravel & chips of quartz, shale & dilente.				3.0	8.5		5.9					14.84	–				
4-5	1	Ochre clay with gravels of quartz & shale				3.0	11.5		5.6					22.03	0.03 1.44				
5-6	1	Ochre clay				3.0	14.5		2.3					15.33	–				
6-7	1	Ochre clay & sand				1.0	15.5		1.5					13.03	TR 0.067				Water & Sample loss through gravels.

Bottomed / Unbottomed at 16 ± metres on Mathinna bedrock Shale

Average field grade _____ g. per cu. m.

940100

AUSTRALIAN ANGLO AMERICAN LIMITED

046

PROSPECT: E.L. 22/80 AREA: SOUTH ESK STATE: TASMANIA.

2/2

Bore no.: C-2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman, penner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum. (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) record.	FIELD CONCENTRATE wt. (g) per Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
7-8	1	Ochre clay with sands & quartz rich gravels				1.0	16.5		1.0					14.54	—				Sample & water lost through gravels
8-9	1	Khaki - ochre clay				2.0	18.5		0.7					12.53	—				
9-10	1	Light grey clays with some silt				1.0	19.5		0.5					10.11	—				
10-11	1	" " "				1.5	21.0		0.7					11.82	TR. 0.05				
11-12	1	" " "				1.0	22.0		1.0					3.23	TR 0.154				
12-13	1	" " "				1.0	23.0		1.0					4.30	—				
13-14	1	" " "				1.0	24.0		1.4					3.67	—				
14-15	1	" " "				1.0	25.0		1.4					19.59	TR. 0.012				
15-16		Silts				1.0	26.0		1.1					15.19	TR 0.013				
15-16	1	Highly weathered grey-green shales																	Core d. Recovered 0.4m

Bottomed / Unbottomed at 16 metres on Shale bedrock

Average field grade _____ g. per cu. m.

94910

949102

047

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL.22/80 AREA. SOUTH. ESK STATE.. TAS.....

BORE NUMBER.. C2..... RECORDED BY.. A.. JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels - 10mm (Kg) to -20#	- mm		Clay (Kg)
0-1	6.3	3.5			2.8
1-3	2.5	0.8			1.7
3-4	5.9	3.1			2.8
4-5	5.6	1.5			4.1
5-6	2.3	0.3			2.0
6-7	1.5	0.1			1.4
7-8	1.0	0.1			0.9
8-9	0.7	0.05			0.65
9-10	0.5	0.05			0.45
10-11	0.7	0.05			0.65
11-12	1.0	*			?
12-13	1.0	*			?
13-14	1.4	*			?
14-15	1.4	*			?
15-16	1.1	0.1			1.0

* ALL SAND/GRAVEL OBTAINED WEIGHED LESS THAN 0.05 Kg, hence: ENTIRE SAND/GRAVEL WAS PLACED IN SAMPLE BAG.

048

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C3 Commenced time: 1.30 PM Date: 5.2.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.0 Internal 7.5

Off-set: — Completed time: 12.45 PM Date: 6.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20#	CLAY	actual wt. (g) recovd	wt.(g) per cu.m. Au-mg Bu-ppm	Au molecular wt. / gram cu.m.	cum. metre-gram	prog. wt.(g) per cu. m.	
0-1	1	Brown soil; ochre clays	M			5.0	5.0		7.4					17.18	—				Cased only
1-2	1	Ochre clays & sands	S			8.0	13.0		13.9					27.77	-				Drilled then cased.
2-3	1	Ochre clays with gravel & chips of quartz & sandstone				7.0	20.0		15.3					27.18	TR 0.009				
3-4	1	Gravel & chips of quartz and sandstone with coarse sand & ochre clay				13.0	33.0		33.1					25.27	0.03 1.31				
4-5	1	Brown clay & sand; gravel & chips of sandstone & quartz; pale ochre clays	F F S			6.0	39.0		13.4					22.56	TR 0.025				

Bottomed / Unbottomed at 8.0 metres on Mathinna Beds bedrock

Average field grade ____ g. per cu. m.

9401033

AUSTRALIAN ANGLO AMERICAN LIMITED

049

PROSPECT: EL 22/80 AREA: SOUTH EEK STATE: TASMANIA

Bore no.: C3 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/3

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m) section	THEORETICAL VOL (1000 ths. cu.m) cum	ACTUAL VOLUME section (1000ths. cu.m)	ACTUAL VOLUME cum (1000ths cu.m)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (kg)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20#	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE Au (mg wt-2sp) assc. Au (ppm) calcd.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-grom	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
5-6	1	Pale ochre sandy clays; some quartz and sandstone chips	S			9·0	48·0		11·0					26·34	TR 0·017				
			F																
6-7	1	Pale ochre clay; quartz and sandstone gravels; fine sands				8·0	56·0		11·8					18·40	–				
			F																
7-8	1	" " "				14·0	70·0		19·5					20·43	–				
8-9	1	Ochre sandy clay	M			11·0	81·0		10·3					21·30	TR 0·047				
9-10	1	Ochre clays with quartz gravels & chips				18·0	99·0		18·1					14·23	TR 0·032				
10-11	1	Ochre sandy clays with quartz gravels				16·0	115·0		13·7					23·59	0·01 0·426				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9401041

AUSTRALIAN ANGLO AMERICAN LIMITED

050

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C3 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor: SHEET 3/3

Collar level:

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	Au (mg) Au (ppm) per	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
11-12	1	Ochre weathered shales with quartz veins.																	Cored. Recovered 0.7 m.
0-12		E.O.H. Silts.				9.0	124.0		16.2										
														21.74	TR 0.057				

Bottomed / Unbottomed at 8.0 metres on Mathinna bedrock.

Average field grade _____ g. per cu. m.

040105

949106

051

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/80 AREA SOUTH ESK STATE TASMANIA

BORE NUMBER C3 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		-10mm +-20# (Kg)			
0-1	7·4	1·4			6·0
1-2	13·9	1·9			12·0
2-3	15·3	4·1			11·2
3-4	33·1	12·2			20·9
4-5	13·4	3·2			10·?
5-6	11·0	1·9			9·1
6-7	11·8	1·9			9·9
7-8	19·5	0·8			18·7
8-9	10·3	1·5			8·8
9-10	18·1	2·4			15·7
10-11	13·7	1·6			12·1
ADH SILTS 0-12·7	16·2	0·3			15·9

AUSTRALIAN ANGLO AMERICAN LIMITED

052

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C4 Commenced time: 1.45PM Date: 6.2.81 Machine: GEMCO 210B Casing shoe diameter: Extend 9.0cm. Internal 7.5cm.

Off-set: 42m. → 283° Completed time: 10.00AM Date: 11.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

SHEET 1/2

Collar level: _____

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m + 20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd	FIELD CONCENTRATE Au (mg) visible gold per Au (ppm) calcd.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown sands & silts, ochre clays; gravel & chips of quartz Shale & sandstone	F			6.0	6.0		8.7					25.09	TR 0.04				Cased only.
1-2	1	Ochre clays; gravel & chips of quartz Shale & sandstone.	F			5.0	11.0		7.2					22.57	0.02 - 0.820				Drilled then cased.
2-3	1	" " "				6.0	17.0		9.5					30.0	—				" "
3-4	1	Brown-ochre clay with sand & quartz gravel.	F			8.0	25.0		12.6										" " (Insufficient Sample.)
4-5	1	" " "	F			8.0	33.0		11.9					22.52	0.62 - 27.31				" " (Iridium)
5-6	1	Ochre clays	S			5.0	38.0		5.5					29.22	—				" "

Bottomed / Unbottomed at 6.0 metres on Mathinna bedrock Shales

Average field grade _____ g. per cu. m.

0460101

AUSTRALIAN ANGLO AMERICAN LIMITED

053

PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

Bore no.: C4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman ponner: _____ Supervisor: _____ SHEET 2/2

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g.) recovd.	Au (mg.) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
6-7	1	Highly weathered grey shales																	Cored. Recovered 0.95 m.
0-7	·	EOH Silts				2.0	40.0		30					29.52	=				

Bottomed / Unbottomed at 6.0 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

9469.05

949109

054

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/80 AREA SOUTH ESK STATE TASMANIA

BORE NUMBER C4 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		-10mm (Kg) to -20#	-1" "	-	
0-1	8·7	3·0			5·7
1-2	7·2	2·2			5·0
2-3	9·5	4·2			5·3
3-4	12·6	5·0			7·6
4-5	11·9 COLOUR	6·3			5·6
5-6	5·5	0·8			4·7
ASH SILTS 0-7	3·0	0·15			2·85

055

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C5 Commenced time: 11.00AM Date: 11.2.81 Machine: Gemco 210B Casing shoe diameter: External 9.0cm. Internal 7.5cm.

Off-set: 66m → 153° Completed time: 5.30 pm Date: 11.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/2

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths. cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) Au (ppm)	metre-gram	cum metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown silt & sand.	F			6.0	6.0		3.1					28.47	-				Cased only.
1-2	1	Brown sand; quartz and sandstone gravel & chips.	F			14.0	20.0		17.5					14.83	D.11 7.75				Drilled then cased (1 colour)
2-3	1	Brown. ochre sand; quartz, sandstone & dolerite chips & gravels	F			11.0	31.0		14.1					19.58	=				" " "
3-3.6	0.6	" " "				25.0	56.0		45.3					18.28	0.004 0.205				Tricone obstructed. Not cutting through gravels
3.6-4.1	0.5	Dolerite boulder							—										Cored through boulder 10cm recovered.
4.1-5.0	0.9	Brown sands; quartz dolerite & sandstone				11.0	67.0		17.2					20.05	0.13 & 6				Drilled then cased. (1 colour)

Bottomed / Unbottomed at 4.0 metres on Mathinna bedrock
Shale

Average field grade _____ g. per cu. m.

9411110

AUSTRALIAN ANGLO AMERICAN LIMITED

056 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C5 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____ SHEET 2/2

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum. (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20#	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) record	FIELD CONCENTRATE Au (mg/cu.m) per Au (gram)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
(4·1-5·0		chips & gravels	F																
cont).																			
5-6	1	" " "	F			22·0	89·0		28·2					17·96	1·62 / 90·00				(8 colours)
6-7	1	Ochre-khaki clays	S			9·0	98·0		3·6					20·74	1·32 / 63·63				(1 colour)
7-8	1	ochre clays; pebbles of black shale; ochre shale; red clay.	S																Cored. Recovered 20cm.
0-8		EOH silts				4·0	102·0		0·6					17·60	5·02 / 0·994				

Bottomed / Unbottomed at 6·0 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

C0401144

949112

057

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/80 AREA SOUTH ESK STATE TASMANIA

BORE NUMBER ... CS ... RECORDED BY A. JACKSON ...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		-10mm (Kg) to -20#			
0 - 1	7·6	3·1			4·5
1 - 2	23·8	17·5			6·3
2 - 3	20·1	14·1			6·0
3 - 3·6	48·5	45·3			3·2
3·6 — 4·1 CORE TAKEN	NIL	—			—
4·1 - 5	21·8	17·2			4·6
5 - 6	36·1	28·2			7·9
6 - 7	10·8	3·6			7·2
EOH SILTS 0 - 8	5·9	0·6			5·3

058

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C6 Commenced time: 9.30 AM Date: 18.3.81 Machine: GEMCO 2103 Casing shoe diameter: External 9.0 cm Internal 7.5 cm

Off-set: — Completed time: 2.15 PM Date: 18.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd	Au (mg) per Au (ppm) cu.m	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
0-1	1	Brown sand & silt	F			6.0	6.0		6.3					9.05	— —				Cased only.
1-2	1	" " "	F			7.0	13.0		9.8					15.00	— —				Dolled then cased.
2-3	1	Coarse gravels of dolerite & sandstone	F			0.5	13.5		2.4					10.97	0.002 0.205				
3-4	1	Sandy gravels	F			4.0	17.5		5.7					18.83	— —				
4-5	1	" "	F			5.0	22.5		8.8					8.28	— —				
5-6	1	" "	F			10.0	32.5		17.6					10.30	0.001 0.097				
6-7	1	Grey sandy clays	M			5.0	37.0		9.1					10.68	— —				
7-8	1	Grey clay	S			2.0	39.0		3.5					23.27	— —				
8-9	1	Weathered grey shales																	Cored. Recovered 1.0m.
		EOH Silts				5.0	44.0		8.2					9.39	— —				

Bottomed / [redacted] at 8.0 metres on Mahinna bedrock Shales

Average field grade _____ g. per cu. m.

9401173

059

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949114

PROJECT NUMBER. EL 22/80 .. AREA. SOUTH ESK . STATE. TASMANIA ..

BORE NUMBER .... C6 .... RECORDED BY ... A. JACKSON .....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
			-10mm to -20# (Kg)		
0-1	6·3		1·5		4·8
1-2	9·8		3·0		6·8
2-3	2·4		0·4		2·0
3-4	5·7		3·8		1·9
4-5	8·8		6·2		2·6
5-6	17·6		9·8		7·8
6-7	9·1		2·8		6·3
7-8	3·5		0·6		2·9
EOH SILTS	8·2		0·9		7·3

AUSTRALIAN ANGLO AMERICAN LIMITED

060

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C7 Commenced time: 2:00PM Date: 17.3.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0cm Internal 7.5cm SHEET 1/1

Off-set: — Completed time: 9.00AM Date: 18.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) per Au (gms) cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown sands & silt	F			5.0	5.0		4.3					11.47	0.009 0.784				Cased only
1-2	1	Ochre-brown gravelly sands	F			4.0	7.0		7.7					10.24	—				Drilled then cased " " "
2-3	1	" " " "	F			14.0	21.0		25.3					19.41	0.001 0.038				" " "
3-4	1	Grey sands with quartz chips	F			5.0	26.0		10.3					8.32	—				" " "
4-5	1	Grey clay	S			3.0	29.0		5.7					15.23	—				" " "
5-6	1	" "	S			5.0	34.0		10.8					8.23	—				" " "
6-7	1	Weathered grey laminated shales with quartz veins & pyrite.																	Cored. Recovered 0.6m.
		EOH Silts				8.0	37.0		9.5					3.91	—				

Bottomed / [illegible] at 4.0 metres on Mathinna bedrock Shale

Average field grade _____ g. per cu. m.

94615

061 AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949116

PROJECT NUMBER. EL 22/80 .. AREA. SOUTH ESK. STATE. TASMANIA..

BORE NUMBER... C7..... RECORDED BY... A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels	-10mm to -20# (Kg)		Clay (Kg)
0-1	4·3		0·5		3·8
1-2	7·7		1·7		6·0
2-3	25·3		12·7		12·6
3-4	10·3		5·1		5·2
4-5	5·7		1·3		4·4
5-6	10·8		0·8		10·0
EOH SILTS	9·5		0·8		8·7

AUSTRALIAN ANGLO AMERICAN LIMITED

062

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: C8 Commenced time: 4.15PM Date: 16.3.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 Internal 7.5 SHEET 1/2

Off-set: — Completed time: 1.30PM Date: 17.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	Au (mm) colour per Au (ppm) cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
0-1	1	Ochre sandy gravels	F			9.0	9.0		15.9					8.46	—				Cased only
1-2	1	Coarse sandy gravels and chips.	F			12.0	21.0		21.7					11.17	0.002 0.179				Drilled then cased (1 colour)
2-3	1	" " " "	F			13.0	34.0		21.9					14.36	0.073 5.05				(1 colour)
3-4	1	" " " "	F			11.0	45.0		23.7					11.17	0.350 4.79				(5 colours)
4-5	1	" " " "	F			10.0	55.0		15.1					11.07	0.570 5.15				(4 colours)
5-6	1	Ochre clays	S			5.0	60.0		7.5					15.46	0.024 1.52				
6-7	1	Ochre sandy clay	M			4.0	64.0		5.8					6.94	—				
7-8	1	Ochre clayey sands	M			13.0	77.0		20.3					12.49	0.002 0.140				(2 colours)
8-9	1	" " "	M			12.0	89.0		17.4					12.64	—				
9-10	1	Grey sandy clay	M			5.0	94.0		7.3					10.24	—				

Bottomed / [redacted] at 10.0 metres on Mathinna Shale bedrock.

Average field grade _____ g. per cu. m.

063

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: C 8 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE Au (mg) Au (ppm) assay	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
10-11	1	Weathered greyshale				5·0	99·0												Cored. Recovered 1·0m.
		EOH. Silts				14·0	113·0		20·7					9·98	-				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9461/3

064

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949119

PROJECT NUMBER. EL 22/80 ... AREA South Esk ... STATE. Tasmania ...

BORE NUMBER ... C8 ..... RECORDED BY .... A. JACKSON .....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
			-10mm + -20# (Kg)		
0-1	15·9		8·0		7·9
1-2	21·7	(1 colour)	15·3		6·4
2-3	21·9	(1 colour)	10·0		11·9
3-4	23·7	(5 colours)	10·1		13·6
4-5	15·1	(4 colours)	8·7		6·4
5-6	7·5		0·7		6·8
6-7	6·8		0·6		5·2
7-8	20·3	(2 colours)	7·5		12·8
8-9	17·4		7·6		9·8
9-10	7·3		0·7		6·6
EOH SILTS	20·7		1·2		19·5

AUSTRALIAN ANGLO AMERICAN LIMITED

065

PROSPECT: EL 22/80 AREA: SOUTHESK STATE: TASMANIA.

Bore no.: D1 Commenced time: 9.15AM Date: 12.2.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0cm. Internal 7.5cm.

Off-set: — Completed time: 1.15PM Date: 12.2.81 Foreman panner: A. JACKSON Supervisor: B. DOUGLAS

Collar level: SHEET 1/2

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu m.) section	THEORETICAL VOL (1000 ths. cu m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g.) recovd.	FIELD CONCENTRATE Au(mg) (assay) per Au(ppm) (calc.)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g.) per cu. m.	REMARKS
0-1	1	Brown soil; quartz sands & gravels; large pebbles of red sandstone & quartz	F			5.5	5.5		9.6					30.00	FR - 0.025				Cased only. (1 colour)
1-2	1	Pale ochre sandy clay; ochre clay with quartz gravels; sandstone & quartz gravels & chips	M			7.0	12.5		17.6					25.68	0.81 0.400				Drilled then cased. (1 colour)
2-3	1	Ochre clays with quartz & sandstone sands and gravels	M			9.0	21.5		15.8					19.66	0.02 1.07				" " " (1 colour)
3-4	1	Ochre sandy clays	S			8.0	29.5		14.3					15.71	—				" " "
4-5	1	" " "	S			9.0	38.5		13.1					21.77	—				" " "

Bottomed / Unbottomed at 5.5 metres on Mathinna bedrock Slates

Average field grade _____ g. per cu. m.

0 2 1 1 9 6

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH GSK STATE: TASMANIA

066

Bore no.: D1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/2.

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd.	Au (mg) assay ppm	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
5-6	1	Ochre clays & gravels; weathered grey shale																	Cored only.
0-6		EOH silts				9.0	47.5		10.6					6.78	—				

Bottomed / Unbottomed at 5.5 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

94 0113

949122

067

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL. 22/80 AREA SOUTH ESK STATE TASMANIA

BORE NUMBER D1 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		-10mm (Kg) to -20#			
0-1	9.6 COLOUR	6.3			3.3
1-2	17.6 COLOUR	11.4			6.2
2-3	15.8 COLOUR	7.9			7.9
3-4	14.3	1.9			12.4
4-5	13.1	1.8			11.3
EOH SILTS 0-6	10.6	1.6			9.0

AUSTRALIAN ANGLO AMERICAN LIMITED

068

PROSPECT: E.L. 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D 2 Commenced time: 2.45 PM Date: 12.2.81 Machine: GEMCO 2108 Casing shoe diameter: Ext. 9.0 Int. 7.5 SHEET 1/6

Off-set: 5m → 131° Completed time: 1.30 PM Date: 15.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	RV (mm) RV (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown Sands & clays	F			6.0	6.0		7.8					14.33	—				Cased only
1-2	1	Brown-ochre sandy clay	S			5.0	11.0		6.8					22.36	—				Drilled then cased (1 colour)
2-3	1	ochre & grey clay	S			30	14.0		4.6					20.61	—				
3-4	1	Quartz, sandstone Shale & dolerite chips & gravel; Sands	F			8.0	22.0		13.5					26.45	FR 0.33				
4-5	1	Quartz, sandstone Shale & dolerite chips & gravels	F			30.0	52.0		49.3					11.51	0.55 47.35				(5 colours)
5-6	1	Quartz, sandstone, Shale & dolerite gravels with coal fragments	F			20.0	72.0		32.4					25.36	—				

Bottomed / Unbottomed at 30.2 metres on Mathinna Shales bedrock

Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

069

PROSPECT: E.L. 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: D2 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman, panner: Supervisor:

SHEET 2/6

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu.m.) section	THEORETICAL VOL (1000ths cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g.) record.	FIELD CONCENTRATE Au (and minor) ppb (ppm) classes	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
6-7	1	Dark grey-black sands with coal fragments.	F			5.0	77.0		7.1					30.0	-				Large amount of pyrite in concentrate
7-8	1	" "	F			25.0	102.0		37.5					24.23	0.13 5.26				Casing pulled after 8.0m. to replace shoe. Partial collapse of hole & subsequent redrilling gave large sample (1 colour)
8-9	1	Dark grey-black clayey sand with coal fragments	F			16.0	118.0		24.4					18.27	-				
9-10	1	" " "	F			10.0	128.0		14.8					16.32	TR 0.133				
10-11	1	" " "	F			8.0	136.0		13.7					19.40	TR 0.010				
11-12	1	" " "	F			10.0	146.0		14.8					13.41	TR 0.033				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9403124

AUSTRALIAN ANGLO AMERICAN LIMITED

070

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: D2 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

SHEET 3/6

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m)	cum (1000ths cu.m)	section vol rec (%)		SANDS/GRAVELS + 10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd	Au (mg) per Au (ppm) cubic metre	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
12-13	1	Grey-black clayey sand with small coal fragments.	F			10·0	156·0		23·3					20·30	TR 0·050				Cored. 1·0 m of unconsolidated material recovered.
13-14	1	" "	F			14·0	170·0		16·8					28·88	TR 0·147				Drilled then cored.
14-15	1	Grey-black sandy clay with coal particles	F			14·0	184·0		13·8					20·65	TR 0·18				
15-16	1	Grey clayey sands with coal particles; Quartz & dolerite chips; quartz & shale chips & gravels	F			9·0	193·0		20·7					16·97	—				
16-17	1	Quartz & dolerite chips & gravels with coal particles	F			10·0	203·0		15·5					8·91	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94 0125

071

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: D2 Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/6

Off-set: Completed time: Date: Foreman/panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) wt (g) per Au (ppm) cum.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
17-18	1	Quartz & dolerite chips & gravels with coal fragments	F			14·0	217·0		23·4					19·76	0·03 / 1·51				Cored. No recovery.
18-19	1	" " with grey clays.	F			19·0	236·0		20·4					22·86	TR 0·131				
19-20	1	" " "	F			20·0	256·0		26·1					30·00	TR 0·042				
20-21	1	Grey-black clay with quartz sands & gravels; coal fragments.	F			16·0	272·0		18·7					15·46	—				
21-22	1	Grey black clay with quartz sands & gravels; coal fragments At 21·8 - large chips of red quartz-sandstone.				19·0	291·0		29·0					26·95	0·01 / 0·222				

Bottomed / Unbottomed at metres on bedrock.

Average field grade g. per cu. m.

0470

072

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: D2 Commenced time: Date: Machine: Casing shoe diameter: SHEET 5/6

Off-set: Completed time: Date: Foreman/panner: Supervisor:

Collar level:

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au(mg) per Au(ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
22-23	1	Alternating layers of blue-grey clay & dolerite & quartz chips & gravels	F			9.0	300.0		18.6					19.49	TR 0.022				Drilled only. Not cased.
23-24	1	" " "	F			9.0	309.0		13.8					29.12	TR 0.024				" " "
24-25	1	" " "	F			3.3	312.3		5.9					21.79	TR 0.035				" " "
25-26	1	" " "	F			9.0	321.3		11.7					30.00	TR 0.017				" " "
26-27	1	" " "	F			9.0	330.3		10.1					23.04	TR 0.032				" " "
27-28	1	" " "	F			5.0	335.3		5.8					27.77	TR 0.050				" " "
28-29	1	" " "	F			5.0	340.3		7.4					30.00	TR 0.032				" " "
29-30	1	" " "	F			5.0	345.3		8.3					30.00	0.03 0.938				" " "

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu m.

94013

AUSTRALIAN ANGLO AMERICAN LIMITED

073 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

SHEET 6/6

Bore no.: D 2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.) section	THEORETICAL VOL (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000ths. cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g.) recovd.	FIELD CONCENTRATE (Au(mg) assay) per Au(ppm) cubic	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
30-31	1	0.2m pebbles of																	Cored - 1.0m
		sandy conglomerate																	recovered.
		with quartz matrix.																	
		0.8m. grey-black																	
		pyritic shales																	
		EOH Silts				200	3653		22.0					30.50	TR 0.008				

Bottomed / Unbottomed at 30.2 metres on Mathinna bedrock Shales.

Average field grade _____ g. per cu. m.

9461 22

074

949129

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA SOUTH ESK STATE. TASMANIA

BORE NUMBER. 02 RECORDED BY. A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) to -20#	"	-	
0-1	7·8	1·6			6·2
1-2	6·8 COLOUR	1·0			5·8
2-3	4·6	0·3			4·3
3-4	13·5	9·2			4·3
4-5	49·3 5 SPECKS OF GOLD	41·4			7·9
5-6	32·4	19·7			12·7
6-7	7·1	4·8			2·3
7-8	37·5 COLOUR	18·8			18·7
8-9	24·4	7·5			16·9
9-10	14·8	3·6			11·2
10-11	13·7	0·7			13·0
11-12	14·8	1·5			13·3
12-13	23·3	11·7			11·6
13-14	16·8	5·9			10·9
14-15	13·8	4·8			9·0
15-16	20·7	8·3			12·4
16-17	15·5	9·3			6·2
17-18	23·4	8·2			15·2
18-19	20·4	9·2			11·2
19-20	26·1	7·8			18·3
20-21	18·7	6·5			12·2
21-22	29·0	7·3			21·7
22-23	18·6	8·4			10·2
23-24	13·8	6·9			6·9
24-25	5·9	3·4			2·5
25-26	11·7	5·2			6·5
26-27	10·1	3·9			6·2

949130

075

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L. 22/80 AREA. SOUTH ESK STATE. TASMANIA.

BORE NUMBER. D2..... RECORDED BY A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg) to -20#			
27-28	5·8	2·6			3·2
28-29	7·4	3·8			3·6
29-30	8·3	2·5			5·8
ASH SILTS 0-31	22·0	3·5			18·5

AUSTRALIAN ANGLO AMERICAN LIMITED

076

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D3 Commenced time: 2.30 PM Date: 15.2.81 Machine: GEMCO R10B Casing shoe diameter: Ext. 9.0 cm Int 7.5 cm. SHEET 1/2

Off-set: — Completed time: 1.30 PM Date: 16.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu.m.) section	THEORETICAL VOL (1000ths cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au(mg/kg) per Pt(ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sands & silts	F			5.0	5.0		6.0					26.41	TR 0.050				Cased only.
1-2	1	Ochre-brown clayey sands	F			4.0	9.0		6.6					21.25	TR 0.010				Drilled then cased. (1 colour)
2-3	1	ochre clayey sands	F			2.0	11.0		3.0					19.90	TR 0.020				
3-4	1	Ochre sands & gravels	F			6.0	17.0		4.6					25.04	—				
4-5	1	Ochre sands & gravels with coal fragments	F			8.0	25.0		9.9					22.66	0.03 1.21				(1 colour)
5-6	1	Sands; with quartz sandstone & shale chips & gravel.	F			6.0	31.0		6.5					23.30	TR 0.017				

Bottomed / Unbottomed at 10.0 metres on Mathinna bedrock Shale

Average field grade _____ g. per cu. m.

9401134

AUSTRALIAN ANGLO AMERICAN LIMITED

077

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D3 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu.m.) section	THEORETICAL VOL (1000ths cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20#	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au(ng) Au(ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
6-7	1	Sands & quartz gravels	F			2.0	33.0		1.3					22.74	TR 0.132				
7-8	1	Dolerite, shale & quartz chips & gravels.	F			19.0	52.0		30.9					26.62	TR 0.025				
8-9	1	Grey clayey sands, quartz and sandstone chips & gravels.	M			9.0	61.0		16.0					18.00	TR 0.080				
9-10	1	Grey clayey sands	M.			9.0	70.0		16.3					23.72	-				
10-11	1	Grey sandy clay	S			8.0	78.0		11.8					15.12	-				
11-12	1	Grey-black shale																	Cored only. Recovered 5.0 cm.
		EOH SILTS				15.0	93.0		5.1					14.45	-				

Bottomed / Unbottomed at 10'0 metres on Mathinna bedrock Shale

Average field grade _____ g. per cu. m.

94013

078

949133

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL.22/80. AREA SOUTH ESK STATE TASMANIA

BORE NUMBER D3 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		-10mm (Kg) +-20#			
0-1	6·0	1·2			4·8
1-2	6·6 COLOUR	1·7			4·9
2-3	3·0	0·6			2·4
3-4	4·6	1·9			2·7
4-5	9·9 COLOUR	3·9			6·0
5-6	6·5	2·7			3·8
6-7	1·3	1·2			0·1
7-8	30·9	11·3			19·6
8-9	16·0	2·8			13·2
9-10	16·3	2·8			13·5
10-11	11·8	0·8			11·0
ESH SILTS 0-12	5·1	0·8			4·3

079

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D4 Commenced time: 3.30PM Date: 14.4.81 Machine: GEMCO 210B Casing shoe diameter: External 92 cm Internal 75

Off-set: — Completed time: 2.30PM Date: 22.4.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/4

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 t/m. cu.m.) section	THEORETICAL VOL. (1000 t/m. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20#	WT(%) CLAY	FIELD CONCENTRATE actual wt (g.) recovd.	FIELD CONCENTRATE Av(mg) per cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g.) per cu. m.	REMARKS
0-1	1	Red-ochre clayey sand.	M			5.0	5.0		7.7					9.22	0.019				Cased only
1-2	1	Red-ochre gravelly sand	F			12.0	17.0		19.8					10.30	—				Drilled then cased.
2-3	1	" " " "	F			24.0	41.0		34.7					11.34	0.002				
3-4	1	Ochre gravelly sand	F			11.5	52.5		17.9					10.20	—				
4-5	1	" " "	F			22.0	74.5		30.2					11.03	0.013				
5-6	1	" " "	F			16.5	91.0		24.9					8.74	0.355				4 colours
6-7	1	" " "	F			18.0	109.0		28.2					24.31	1.52				8 colours
7-8	1	" " "	F			13.5	122.5		21.0					9.16	4.00				40-50 colours
8-9	1	" " "	F			12.0	134.5		19.7					16.54	2.45				18 colours
9-10	1	" " "	F			5.0	139.5		8.3					11.88	0.005				

Bottomed / Unbottomed at 23.0 metres on Conglomerate bedrock

Average field grade _____ g. per cu. m.

0790

000

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH EST STATE: TASMANIA

Bore no.: D4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

SHEET 2/4

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum (1000 ths cum.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Qv (mg) per cum.	metre-gram	cum. metre-gram	prog wt (g) per cu. m.	
10-11	1	Ochre clayey sand	M			5.0	144.5		6.8					14.85	0.002				
11-12	1	" " "	M			8.0	152.5		7.6					10.11	—				
12-13	1	Grey-ochre clayey sand	M			5.0	157.5		8.8					7.87	0.003				
13-14	1	Grey-green clay	S			4.0	161.5		5.6					11.16	—				
14-15	1	Grey clays	S			6.0	167.5		9.5					14.30	0.002				
15-16	1	Semi consolidated grey-green sands with coal fragments	M			—			—					—	—				Cored 1m. Recovered 0.39m.
16-17	1	Grey sandy clay with coal fragments	M			8.0	175.5		12.9					9.96	0.145				1 colour
17-18	1	Grey clayey sand with coal fragments	M			7.0	182.5		10.9					12.64	0.002				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

CS 1363

031

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/4

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g) record.	Au (mg) per sample	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
18-19	1	Grey clayey sand with coal fragments	M			5.5	188.0		9.2					7.07	0.055				1 colour
19-20	1	" " " "	M			6.0	194.0		11.7					13.00	0.002				
20-21	1	Dolerite boulder & coarse conglomerate; coarse sand & clay with coal fragments (semi-consolidated)				6.0	200.0		14.0					14.51	0.550				CORED 1 colour
21-22	1	Grey clayey sand with coal fragments	M			16.0	216.0		30.5					24.67	0.001				
22-23	1	Brown clayey sand.	M			12.0	228.0		8.1					17.49	0.395				2 colours
23-24.5	1.5	0.8m Coarse pebbly conglomerate in grey-green matrix; 0.35m coarse sand & gravels in muddy																	CORED Recovered 1.15m.

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9431330

082

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: D4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 4/4

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt (g.) recovd.	Au (mg) per sample	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+ 10 mm.	- 10 m + 20 #	- 20 #							
23-		matrix with coal																	
24.5		fragments																	
(cont)																			
.		EOH SILTS				6.0	234.0		10.3					19.93	0.245				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9401371

083 AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949138

PROJECT NUMBER. EL 22/80.. AREA. SOUTH ESK.. STATE. TASMANIA..

BORE NUMBER.. Q4..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	7·7			WEIGHT NOT RECORDED	
1-2	19·8			WEIGHT NOT RECORDED	
2-3	34·7		5·2	10·6	18·9
3-4	17·9		4·3	6·7	6·9
4-5	30·2		10·0	10·5	9·7
5-6	24·9	4 COLOURS	8·6	8·3	8·0
6-7	28·2	8 COLOURS	9·4	8·3	10·[illegible]
7-8	21·0	40-50 COLOURS	5·7	6·9	8·4
8-9	19·7	18 COLOURS	5·3	4·2	10·2
9-10	8·3		0	2·5	5·8
10-11	6·8		0	0·7	6·1
11-12	7·6		0	2·0	5·6
12-13	8·8		0	3·3	5·5
13-14	5·6		0	1·4	4·2
14-15	9·5		0	3·5	6·0
15-16	(CORED)				
16-17	12·9	1 COLOUR	0·3	4·9	7·7
17-18	10·9		0·3	6·1	4·8
18-19	9·2	1 COLOR	0·8	5·1	3·3
19-20	11·7		0·8	3·5	8·4
20-21	14·0	1 COLOUR	0·5	5·0	8·5
21-22	30·5	2 COLOURS	3·3	14·2	13·0
22-23	8·1		0·7	3·7	3·7
ASH SILTS	10·3		0·2	2·6	7·5

084

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D5 Commenced time: 3.15 PM Date: 22.4.81 Machine: GEMCO 2103 Casing shoe diameter: External 92cm. Internal 75cm.

Off-set: — Completed time: 12.15 PM Date: 24.4.81 Foreman, partner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/2

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au(mg) assayed per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
0-1	1	Brown sands; ochre sands & gravels	F			11.0	11.0		18.3					—	N.S.				Cased only.
1-2	1	Ochre gravelly clays	M			6.0	17.0		11.4					11.33	—				Drilled then cased.
2-3	1	Ochre sandy clays	F			10.5	27.5		19.1					9.99	—				
3-4	1	Ochre clayey sands	M			13.0	40.5		23.3					21.41	—				
4-5	1	" " "	M			10.5	51.0		18.7					13.93	—				
5-6	1	" " "	M			14.0	65.0		25.6					20.38	—				
6-7	1	" " "	M			7.0	72.0		13.7					10.91	—				
7-8	1	" " "	M			10.0	82.0		17.4					7.45	—				
8-9	1	" " "	M			10.0	92.0		16.9					7.12	—				
9-10	1	" " "	M			9.0	101.0		14.8					6.46	—				

Bottomed / Unbottomed at 19.0 metres on Mathinna Shale bedrock

Average field grade _____ g. per cu. m.

085

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D5 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor: SHEET 2/2

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au(mg) per gram conc.	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
10-11	1	Ochre sandy clays	M			9.0	110.0		16.5					6.75	—				
11-12	1	" " "	M			16.0	126.0		26.1					7.15	—				
12-13	1	" " "	M			10.0	136.0		19.7					8.86	—				
13-14		" " "	M			9.0	145.0		18.1					7.61	—				
14-15		" " "	M			9.0	154.0		17.7					8.34	—				
15-16		" " "	M			8.5	162.5		17.6					7.14	—				
16-17		" " "	M			12.0	174.5		17.2					7.60	0.001				
17-18		" " "	M			10.5	185.0		19.9					10.60	0.001				
18-19		" " "	M			5.0	190.0		11.9					6.45	—				1 colour
19-20		Weathered grey Shale																	CORED. Recovered 0.84
		EOH Silts				11.0	201.0		20.2					8.04	0.060				1 colour

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9401140

086 AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949141

PROJECT NUMBER EL 22/80... AREA SOUTH ESK... STATE TASMANIA.

BORE NUMBER....DS..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	18·3		3·7	4·3	10·0
1-2	11·4		0·2	2·8	8·4
2-3	19·1		0·6	4·4	14·7
3-4	23·3		2·4	5·7	15·2
4-5	18·7		1·4	4·8	12·5
5-6	25·6		3·9	5·8	15·9
6-7	13·7		1·3	4·3	8·1
7-8	17·4		1·3	4·3	11·8
8-9	16·9		0·7	11·9	4·3
9-10	14·8		0·1	3·5	11·2
10-11	16·5		0·9	7·7	7·9
11-12	26·1		0·7	12·6	12·8
12-13	19·7		0·9	6·3	12·5
13-14	18·1		0·4	5·0	12·7
14-15	17·7		0·7	5·8	11·2
15-16	17·6		0·9	6·4	10·3
16-17	17·2		0·7	5·9	10·6
17-18	19·9		0·7	8·6	10·6
18-19	11·9	1 COLOUR	0·8	3·2	7·9
EOH SILTS	20·2	1 COLOUR	0·3	2·2	17·7

AUSTRALIAN ANGLO AMERICAN LIMITED

087

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA.

Bore no.: D6 Commenced time: 12.45 PM Date: 24.4.81 Machine: GEMCO 2103 Casing shoe diameter: External 9¾ cm Inside 7.5 cm.

Off-set: - Completed time: 5.00 PM Date: 25.4.81 Foreman panner: A. JACKSON Supervisor: B. DOUGLAS SHEET 1/2

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd.	FIELD CONCENTRATE Au (mg) wt. (g) per cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
0-1	1	Ochre clayey sand	M			5.0	5.0		8.9					17.61	-				Cased only
1-2	1	Ochre clay	S			7.0	12.0		14.5					14.31	-				
2-3	1	Ochre sands & gravels	F			5.0	17.0		7.9					11.26	-				
3-4	1	" " "	F			4.5	21.5		12.8					12.27	-				
4-5	1	Ochre clayey sand	M			7.0	28.5		13.3					14.38	-				
5-6	1	Dolerite boulders;				12.0	40.5		20.2					29.17	-				CORED 5.0 to 5.4 - boulder
		ochre clayey sand	M																
6-7	1	Ochre clayey sand	M			14.0	54.5		25.2					6.67	-				
7-8	1	Ochre gravelly sand	F			11.0	65.5		21.1					10.98	-				
8-9	1	" " "	F			13.0	78.5		25.7					14.23	-				
		with some dolerite																	
		chips																	

Bottomed / Unbottomed at 12.0 metres on Dolerite bedrock

Average field grade _____ g. per cu. m.

9647

AUSTRALIAN ANGLO AMERICAN LIMITED

088

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: D6 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/2

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g) recovd.	Au (mg) (dwts) per cum.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+ 10 mm.	- 10 m + 20 #	- 20 #							
9-10	1	Dolerite chips with	M			14·5	93·0		26·6					14·83	—				
		clayey sands																	
10-11	1	" " " "	M			10·0	103·0		22·0					9·23	—				
11-12	1	" " " "	M			12·0	115·0		24·2					21·93	—				
12-	1.3	Dolerite.																	CORED 1·3M.
13·3																			RECOVERED 1·1.
		EOH Silts				8·0	123·0		24·4					8·44	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9471173

089

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949144

PROJECT NUMBER. E4.22/80. AREA. SOUTH. ESK. STATE TASMANIA.

BORE NUMBER... D6..... RECORDED BY. A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	8·9		0·7	1·9	6·3
1-2	14·5		1·1	3·4	10·0
2-3	7·9		1·4	4·2	2·3
3-4	12·8		1·9	5·3	5·6
4-5	13·3		1·5	4·5	7·3
5-6	20·2		0·7	8·9	10·6
6-7	25·2		2·3	5·4	17·5
7-8	21·1		2·2	7·8	11·1
8-9	25·7		5·1	7·0	13·6
9-10	26·6		3·1	8·5	15·0
10-11	22·0		1·9	6·7	13·4
11-12	24·2		3·9	6·9	13·4
EOH SILTS	24·4		0·9	3·1	20·4

AUSTRALIAN ANGLO AMERICAN LIMITED

090 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E1 Commenced time: 3.00 PM Date: 16.2.81 Machine: GEMCO 2108 Casing shoe diameter: Ext. 9.0 cm Int 7.5 cm SHEET 1/2

Off-set: — Completed time: 5.00 PM Date: 17.2.81 Foreman, panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	Au(ppm) Au(ppm) acc. Au(ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
0-1	1	Brown sands & silt	F			7.0	7.0		11.3					18.55	—				Cased only
1-2	1	Ochre clays & gravels	M			12.0	19.0		17.9					23.17	TR 0.018				Drilled then cased.
2-3	1	Ochre clays	M			4.0	23.0		6.0					28.19	TR 0.008				
3-4	1	" " "	M			4.0	27.0		8.4					27.05	—				
4-5	1	" " "	S			6.5	33.5		10.7					23.45	TR 0.017				
5-6	1	" " "	S			6.0	39.5		7.2					27.06	TR 0.033				
6-7	1	" " "	S			7.0	46.5		7.0					18.10	—				
7-8	1	" " "	S			6.0	52.5		7.5					14.71	0.01 0.358				
8-9	1	" " "	S			1.0	53.5		1.6					9.53	—				Cored. No recovery. Cased, then sampled

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

CE 1/90

091

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E1 Commenced time: Date: Machine: Casing shoe diameter: SHEET 2 | 2

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (mg) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
9-10	1	Ochre clay	S			6.0	59.5		8.2					17.45	-				
10-11	1	" "	S			5.0	64.5		5.8					13.85	-				
11-12	1	" "	S			9.0	73.5		10.6					18.54	TR 0.025				
12-13	1	" "	S			7.0	80.5		9.3					20.70	-				
13-14	1	Weathered ochre shales	S																Cored. Recovered 0.95m
		EOH silts				6.0	86.5		9.6					30.00	-				

Bottomed / Unbottomed at 13. metres on Mathinna bedrock shales.

Average field grade _____ g. per cu. m.

94146

092

949147

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER E4.22/80. AREA SOUTH ESK STATE TASMANIA

BORE NUMBER E.1..... RECORDED BY A. JACKSON....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		10mm (Kg) to -20#			
0-1	11.3	5.0			6.3
1-2	17.9	7.2			10.7
2-3	6.0	2.9			3.1
3-4	8.4	3.4			5.0
4-5	10.7	1.4			9.3
5-6	7.2	0.8			6.6
6-7	7.0	0.6			5.4
7-8	7.5	0.7			6.8
8-9	1.6	0.2			1.4
9-10	8.2	0.8			7.6
10-11	5.8	0.6			5.2
11-12	10.6	0.6			10.0
12-13	9.3	1.0			8.3
EOH SILTS 0-14	9.6	1.0			8.6

093

AUSTRALIAN ANGLO-AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E2 Commenced time: 8.00 AM Date: 18.2.81 Machine: GEMCO 210 B Casing shoe diameter: External 9.0cm. Internal 7.5cm SHEET 1/2

Off-set: 70.9m → 355° Completed time: 3.30PM Date: 18.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000ths. cu.m)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au(mg) per Au(gm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sand & silt	F			3.5	3.5		2.0					15.92	—				Cased only
1-2	1	Brown-ochre clayey sands, & gravels of quartz sandstone & dolerite.	F			8.5	12.0		11.2					24.36	0.060 2.46				Drilled then cased. 1 colour.
2-3	1	Ochre sands; gravels & chips of quartz sandstone & dolerite.	F			15.0	27.0		27.5					29.29	0.028 0.96				1 colour
3-4	1	" " "	F			15.0	42.0		28.2					24.63	—				
4-5	1	Sands & gravels of quartz & sandstone	F			16.0	58.0		35.3					30.10	—				1 colour
5-6	1	" " "	F			23.0	81.0		42.2					24.19	0.435 17.98				2 colours
6-7	1	Khaki-grey sandy clay	M			6.0	87.0		9.8					24.00	0.078 3.65				1 colour

Bottomed / Unbottomed at 10.95 metres on _____ bedrock

Average field grade _____ g. per cu. m.

9376

AUSTRALIAN ANGLO AMERICAN LIMITED

094 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS + 10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) Au (gram) per cu. m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
7-8	1	Grey sandy clay	M			4·0	91·0		6·0					21·30	—				
8-9	1	" " "	M			4·0	95·0		5·1					19·72	—				
9-10	1	" " "	S			2·0	97·0		3·2					16·03	—				
10-11	1	0·95m stiff grey clay																	CORED
		0·05m grey shale																	
		EOH 6.1hs				4·0	101·0		5·0					22·48	—				

Bottomed / Unbottomed at 10·95 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

9491749

095

949150

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L. 22/80 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER... E2 ..... RECORDED BY... A. JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm -20# (Kg)		
0-1	2·0	–	0·3		1·7
1-2	11·2	–	6·4	COLOUR	4·8
2-3	27·5	–	25·3	COLOUR	2·2
3-4	28·2	–	25·4		2·8
4-5	35·3	–	24·0	COLOUR	11·3
5-6	42·2	–	31·2	2 COLOURS	11·0
6-7	9·8	–	2·2	COLOUR.	7·6
7-8	6·0	–	0·6		5·4
8-9	5·1	–	0·9		4·2
9-10	3·2	–	0·4	COLOUR	2·8
0-11 SILTS.	5·0	–	0·4		4·6

AUSTRALIAN ANGLO AMERICAN LIMITED

096

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E3 Commenced time: 4.45 PM Date: 18.2.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 cm Internal 7.5 cm SHEET 1/2

Off-set: — Completed time: 5.30 PM Date: 19.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000ths. cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g) record	FIELD CONCENTRATE Au(mg) visible gold per Au(ppm) cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sand & silt	F			5.0	5.0		5.0					22.05	—				Cased only.
1-2	1	Khaki - sandy clay	F			1.0	6.0		1.4					30.74	—				Drilled then cased.
2-3	1	Coarse sands & gravels; chips of quartz sandstone & dolerite	F			13.0	19.0		22.3					23.00	—				
3-4	1	Gravels & chips of quartz sandstone & dolerite	F			23.0	42.0		41.2					19.07	0.002 2.75				
4-5	1	" " "	F			13.0	55.0		22.2					20.73	—				
5-6	1	Sands & gravels	F			7.5	62.5		13.9					25.84	—				
6-7	1	" " "	F			15.0	77.5		26.4					24.49	—				
7-8	1	Khaki sandy clay	M			5.0	82.5		6.6					17.83	0.001 0.078				

Bottomed / Unbottomed at 17.0 metres on Sandy clay. bedrock

Average field grade _____ g. per cu. m.

5746

AUSTRALIAN ANGLO AMERICAN LIMITED

097 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E3 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd	Au(mg) per Au(ppm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
8-9	1	Grey clay	S			4·0	86·5		7·4					16·38	—				
9-10	1	" "	S			1·5	88·0		1·5					23·61	—				
10-11	1	Grey sandy clay	M			7·0	95·0		12·1					22·22	—				
11-12	1	" " "	M			6·0	101·0		10·2					19·50	0·202 / 10·38				
12-13	1	Grey clay	S			1·0	102·0		1·1					15·91	—				CORED. Recovered 1.0m
13-14	1	Grey sandy clay	M			1·5	103·5		2·8					15·86	—				
14-15	1	" " "	M			4·0	107·5		5·3					13·12	—				
15-16	1	Grey sandy clay & chips	M			2·0	109·5		2·8					25·48	—				
16-17		" " "	M																CORED. Recovered 0·45m
		EOH SILTS				15·0	124·5		7·5					23·16	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94152

098

949153

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER E.L. 22/80. AREA SOUTH ESK. STATE TASMANIA.

BORE NUMBER ... E.3 ..... RECORDED BY ... A. JACKSON .....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels	-10mm to -20# (Kg)		Clay (Kg)
0-1	5·0		0·2		4·8
1-2	1·4		0·1		1·3
2-3	22·3		15·4		6·9
3-4	41·2	COLOUR	28·0		13·2
4-5	22·2	COLOUR	17·5		4·7
5-6	13·9	COLOUR	9·9		4·0
6-7	26·4		18·5		7·9
7-8	6·6		1·1		5·5
8-9	7·4	COLOUR	0·6		6·8
9-10	1·5		0·4		1·1
10-11	12·1		1·0		11·1
11-12	10·2	COLOUR	0·9		9·3
12-13	1·1		0·2		0·9
13-14	2·8		0·3		2·5
14-15	5·3		0·4		4·1
15-16	2·8		0·3		2·5
EOH SILTS	7·5		1·8		5·7

AUSTRALIAN ANGLO AMERICAN LIMITED

099

PROSPECT: EL 22/80 AREA: SOUTH EAST STATE: TASMANIA

Bore no.: E 3-A Commenced time: 4.45PM Date: 27.2.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.0 cm Internal 7.5 cm

Off-set: — Completed time: 4.00PM Date: 4.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/6

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m + 20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g) record.	FIELD CONCENTRATE Au (mm wt.g) per cu.m. Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu.m.	REMARKS
0-1	1	Brown sand, ochre sands & gravels.	F			5.0	5.0		8.3					26.10	—				Cased only.
1-2	1	Coarse sands & gravels of quartz & sandstone	F			12.0	17.0		24.9					19.10	—				Drilled then cased.
2-3	1	" " "	F			14.0	31.0		25.0					8.50	—				
3-4	1	" " "	F			26.0	57.0		46.7					10.92	—				
4-5	1	" " "	F			15.0	72.0		24.7					10.00	—				
5-6	1	" " "	F			13.0	85.0		22.1					18.94	0.1199 6.33				(2 colours)
6-7	1	Sands & gravels with ochre clays	F			2.0	87.0		2.0					13.76	—				
7-8	1	Grey clays with some coal fragments.	S			3.0	90.0		5.1					9.71	—				

~~Bottomed~~ / Unbottomed at 42.0 metres on Conglomerate bedrock

Average field grade _____ g. per cu. m.

9376

AUSTRALIAN ANGLO AMERICAN LIMITED

100 PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E3-A Commenced time: 4.45 PM Date: 27.2.81 Machine: GEMCO 210B Casing shoe diameter: External SHEET 2/6

Off-set: ~ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) record.	Au(mg) assay Au(gram) check	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
8-9	1	Grey clays with some coal fragments	S			1·0	91·0		3·3					16·22	—				
9-10	1	Grey clays	S			4·0	95·0		6·0					22·42	—				
10-11	1	Grey sandy clay	M			18·0	113·0		12·7					16·59	0·033 1·97				
11-12	1	Grey sandy clay with some coal fragments	F			3·0	116·0		4·6					28·07	TR 0·010				(1 colour)
12-13	1	Grey clayey sands with some coal fragments	F			10·0	126·0		17·2					15·04	—				
13-14	1	" " "	F			14·0	140·0		20·6					30·00	—				(2 colours)
14-15	1	" " "	F			8·0	148·0		13·1					14·99	TR 0·032				
15-16	1	" " "	F			7·0	155·0		12·8					17·62	TR 0·017				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9401155

AUSTRALIAN ANGLO AMERICAN LIMITED

101 PROSPECT: EL 2280 AREA: South Esk STATE: Tasmania

Bore no.: E3-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 5/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt (g.) recovd.	FIELD CONCENTRATE Au (mg) per Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
16-17	1	Grey-brown clayey sands with small coal fragments	F			15.0	1700		25.7					16.31	0.24 / 14.71				(3 colours)
17-18	1	" " " "	F			9.0	179.0		17.7					10.23	TR 0.024				
18-19	1	Grey-brown sandy clay	F			8.0	187.0		17.3					17.28	TR 0.025				(1 colour)
19-20	1	" " "	F			4.0	191.0		6.2					11.14	0.025 / 2.20				(1 colour)
20-21	1	" " "	F			9.0	200.0		16.1					15.27	TR 0.016				(1 colour)
21-22	1	" " "	F			8.0	208.0		14.9					15.20	0.011 / 0.740				(1 colour)
22-23	1	" " "	F			7.0	215.0		14.2					13.40	0.004 / 0.298				
23-24	1	" " "	F			9.0	224.0		18.4					22.89	0.034 / 1.47				(1 colour)
24-25	1	" " "	F			4.0	228.0		12.5					12.25	— / —				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

69159

102

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: E3-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 4/6

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) strength per Au (ppm) value	metre-gram	cum. metre-gram	prop. wt. (g) per cu. m.	
25-26	1	Grey-brown sandy clay with some coal fragments	F			5.0	233.0		9.3					18.37	—				(1 colour)
26-27	1	" " " "	F			5.0	236.0		5.7					13.03	TR 0.0/D				
27-28	1	Grey sandy clay	F			9.0	245.0		16.3					13.64	—				
28-29	1	Grey sandy clay with small coal fragments	F			4.0	249.0		6.2					17.28	—				
29-30	1	" " "	F			8.0	257.0		11.9					15.01	—				
30-31	1	" " "	F			7.0	264.0		11.9					12.96	—				
31-32	1	" " "	F			7.0	271.0		13.1					16.71	TR 0.0/5				
32-33	1	Grey sandy clay with some quartz & sandstone gravels.	F			9.0	280.0		10.1					15.83	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock. Average field grade _____ g. per cu. m.

AUSTRALIAN ANGLO AMERICAN LIMITED

103

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: E3-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 5/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	Au (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
33-34	1	Grey clayey sand with quartz gravels	F			23.0	303.0		39.7					11.98	—				
34-35	1	" " "	F			45.0	348.0		60.1					8.89	0.305 24.31				(3 colours)
35-36	1	Grey sandy clay with some coal fragments.	F			23.0	371.0		36.9					9.55	0.007 0.707				Not cased - Dolled dry
36-37	1	" " " "	F			8.0	379.0		10.3					13.06	—				
37-38	1	" " " "	F			6.0	385.0		5.2					4.41	—				
38-39	1	Grey sandy clay with gravels	F			15.0	400.0		19.0					16.58	—				
39-40	1	" " " "				11.0	411.0		14.0					16.62	0.007 0.406				
40-41	1	" " " "				9.0	420.0		13.0					23.19	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

0463 03

104

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: E3-9 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 6/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) recovd. per Au (gm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
41-42	1	Coarse conglomerate of pebbles, cobbles & boulders of quartz sandstone & siliceous matrix of gravel & silica.				6.0	426.0		5.9						—				CORED
		EOH SILTS				5.0	431.0		7.7					17.30	0.014 / 0.11				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9461563

105

949160

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L. 22/80. AREA SOUTH ESK.. STATE. TASMANIA..

BORE NUMBER.. E3A..... RECORDED BY. A. JACKSON..... SHEET 1/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	8·3		5·8		2·5
1-2	24·9		21·7		3·2
2-3	25·0		21·7		3·3
3-4	46·7		38·9		8·8
4-5	24·7		21·3		3·4
5-6	22·1	2 colours	18·3		3·8
6-7	2·0		1·4		0·6
7-8	5·1		0·4		4·7
8-9	3·3		0·1		3·2
9-10	6·0		1·5		4·5
10-11	12·7		2·7		10·0
11-12	4·6	1 colour	1·9		2·7
12-13	17·2		1·8		15·4
13-14	20·6	2 colours	3·5		17·1
14·15	13·1		2·4		10·7
15·16	12·8		1·9		109
16-17	25·7	3 colours	12·0		13·7
17-18	17·7		3·9		13·8
18-19	17·3	1 colour	2·6		14·7
19-20	6·2	1 colour	0·9		5·3
20-21	16·1	1 colour	2·9		13·2
21-22	14·9	1 colour	1·9		13·0
22-23	14·2		3·0		11·2
23-24	18·4	1 colour	2·3		16·1
24-25	12·5		1·1		11·4
25-26	9·3	1 colour	0·9		8·4
26-27	5·7		1·5		4·2

106

949161

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK. STATE. TASMANIA.

BORE NUMBER.. ES-A.... RECORDED BY..... SHEET 2/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
27-28	16·3		1·3		15·0
28-29	6·2		0·5		5·7
29-30	11·9		1·2		10·7
30-31	11·9		3·1		8·8
31-32	13·1		3·1		10·0
32-33	10·1		5·1		5·0
33-34	39·7		29·8		9·9
34-35	60·1	3 cobbles	13·9		46·2
35-36	36·9		5·1		31·8
36-37	10·3		1·3		9·0
37-38	5·2		1·0		4·2
38-39	19·0		6·3		12·7
39-40	14·0		7·3		6·7
40-41	13·0		5·2		7·8
41-42	5·9		0·3		5
EOH SILTS	7·7		0·5		7·2

AUSTRALIAN ANGLO AMERICAN LIMITED

107

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4 Commenced time: 8·00 AM Date: 20·2·81 Machine: GEMCO 2108 Casing shoe diameter: External 9·0cm Internal 7·5cm SHEET 1/7

Off-set: — Completed time: 4·00 PM Date: 27·2·81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au(mg) Au(gram)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
0-1	1	Brown sands & silts; ochre clays.	F			10·0	10·0		13·4					17·10	0·001 0·058				Cased only.
1-2	1	Ochre-khaki clays	S			9·0	19·0		14·3					15·93	— —				Drilled then cased.
2-3	1	Ochre clays with gravels	F			11·0	30·0		21·3					16·77	— —				
3-4	1	Sandy gravels of quartz, sandstone dolerite & shale	F			18·0	48·0		32·9					20·11	0·013 0·658				1 colour
4-5	1	" " "	F			16·0	64·0		31·9					18·59	1·376 74·00				8 colours
5-6	1	" " " .	F			9·0	73·0		14·3					18·13	0·160 8·82				1 colour
6-7	1	Grey sandy clay with ?coal & wood fragments	M			2·0	75·0		2·5					13·71	— —				
7-8	1	Grey clay	S			2·5	77·5		3·0					8·4	— —				

Bottomed / Unbottomed at 42 metres on Conglomerate bedrock.

Average field grade ____ g. per cu. m.

9401162

AUSTRALIAN ANGLO AMERICAN LIMITED

108

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: E4 Commenced time: Date: Machine: Casing shoe diameter: SHEET 2/7

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
8-9	1	Grey clay	S			2·0	79·5		3·1					9·00	-				
9-10	1	" "	S			60·0	139·5		74·9					45·07	0·517 11·47				Casing pulled. Tncored with large bit. Recased with new casing shoe. Sample taken a/fr casing 2 colours.
10-11	1	Grey-black sandy clay with coal particles	M			5·0	144·5		9·1					29·32	-				
11-12	1	" " "	M			10·0	154·5		16·1					17·94	-				
12-13	1	Grey-black sandy clay, light grey clay with some rock chips.	M			13·0	167·5		22·8					19·57	TR 0·011				
13-14	1	Grey-black sandy clays	M			6·0	173·5		10·5					20·05	-				
14-15	1	" " "	M			9·0	182·5		14·2					25·36	-				

Bottomed / Unbottomed at metres on bedrock

Average field grade g. per cu. m.

94916

AUSTRALIAN ANGLO AMERICAN LIMITED

109 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/7

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m)	cum. (1000ths cu.m)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd.	Au (mg) assay per Au (gm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
15-16	1	Grey-black sandy clay	M			9.0	191.5		15.7					19.50	—				
16-17	1	" " "	M			12.0	203.5		19.5					21.32	0.420 19.70				3 colours
17-18	1	Grey sandy clay with coal fragments	M			6.0	209.5		7.3					20.75	—				
18-19	1	" " "	M			4.0	213.5		6.1					19.87	—				
19-20	1	" " "	M			7.0	220.5		5.6					39.12	—				
20-21	1	" " "	M			6.0	226.5		7.2					37.65	—				
21-22	1	" " "	M			11.0	237.5		16.6					38.41	—				
22-23	1	" " "	M			4.0	241.5		5.8					35.96	—				No casing. Drilled only
23-24	1	" " "	M			4.0	245.5		6.4					35.65	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9401164

110

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4 Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/7

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd.	FIELD CONCENTRATE Au (mg) per Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
24-25	1	Grey-black clayey sands with coal fragments	M			4·0	249·5		5·4					14·28	—				
25-26	1	" " "	M			6·0	255·5		9·1					18·06	0·029 1·61				
26-27	1	" " "	M			5·0	260·5		7·3					25·62	TR 0·003				
27-28	1	" " "	M			4·0	264·5		5·0					18·82	—				
28-29	1	Grey-black sands with quartz chips & gravels Some coal fragments	M			5·0	269·5		8·3					13·35	TR 0·017				
29-30	1	Pyritic grey-black sands & gravels with coal fragments.	M			11·0	280·5		16·2					24·31	0·175 7·20				2 colours
30-31	1	" " "	M			8·0	288·5		10·0					25·40	TR 0·017				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9409165

AUSTRALIAN ANGLO AMERICAN LIMITED

111

PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4 Commenced time: Date: Machine: Casing shoe diameter: SHEET 5/7

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS: +10 mm	SANDS/GRAVELS: -10 m + 20 #	SANDS/GRAVELS: -20 #	CLAY	actual wt. (g) recovd.	Au (mg) minus per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
31-32	1	Coarse sands & gravels with pyrite.	M			8·0	296·5		11·1					32·40	—				
32-33	1	" " "	M			11·0	307·5		16·4					16·26	0·001 0·976				
33-34	1	Coarse sands & gravels with pyrite & coal fragments	M			9·0	316·5		12·2					28·65	0·006 0·125				
34·0 - 34·5	0·5	Gravelly sands with some chips; pyrite	M																Sample taken after reaming and coring.
34·5 - 35·5	1	15 cm of conglomerate of dolerite quartz and sandstone pebbles in quartz & pyrite matrix; 85 cm of peat layers with sand				31·0	347·5		45·9					17·38	0·030 1·74				Cored.

Bottomed / Unbottomed at metres on bedrock

Average field grade g. per cu. m.

049166

AUSTRALIAN ANGLO AMERICAN LIMITED

112 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA.

Bore no.: E4 Commenced time: Date: Machine: Casing shoe diameter: SHEET 6/7

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) record.	Au (mg) Pt (ppm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
35·5-36·0	0·5	Grey-black sands with peat fragments	F			15·0	362·5		24·2					21·05	—				
36-37	1	Grey-black clayey sands	F			5·0	367·5		5·6					11·70	0·007 0·577				
37-38	1	" " " "	F			8·0	375·5		9·4					11·87	— —				
38-39	1	" " " "	F			6·0	381·5		7·1					14·05	0·004 0·301				
39-40	1	" " " " with gravels.	F			11·0	392·5		13·3					12·35	— —				
40-41	1	Grey-black sand & rock chips.	F			15·0	407·5		20·0					21·09	0·019 0·877				
41-42	1	Quartz & sandstone pebbles; gravel and pebble conglomerate in muddy matrix; Sandstone & quartz																	CORED

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94 C 1163

AUSTRALIAN ANGLO AMERICAN LIMITED

113 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 7/7

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (ozs) wt.(g.) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
41-42 (cont.)		pebbles & cobbles in green siliceous matrix with some pyrite.																	
		EOH sills.							111·6					28·63	0·014 0·499				

Bottomed / Unbottomed at 42 metres on Conglomerate bedrock.

Average field grade _____ g. per cu. m.

9469

114

949169

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK. STATE. TASMANIA.

BORE NUMBER... E.4..... RECORDED BY.. A. JACKSON..... 1/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels	-10mm 20# (Kg)		Clay (Kg)
0-1	13·4		1·3		12·1
1-2	14·3		2·5		11·8
2-3	21·3		11·6		9·7
3-4	32·9	COLOUR	26·6		6·3
4-5	31·9	8 COLOURS	16·0		15·9
5-6	14·3	COLOUR	5·5		8·8
6-7	2·5		0·1		2·4
7-8	3·0		0·2		2·8
8-9	3·1		0·4		2·7
9-10	74·9	2 COLOURS	8·9		66·0
10-11	9·1		0·2		8·9
11-12	16·1		0·3		15·8
12-13	22·8		3·8		19·0
13-14	10·5		0·8		9·7
14-15	14·2		3·9		10·0
15-16	15·7		2·2		13·5
16-17	19·5	3 COLOURS	2·7		16·8
17-18	7·3		2·3		5·0
18-19	6·1		1·9		4·2
19-20	5·6		1·7		3·9
20-21	7·2		1·8		5·4
21-22	16·6		5·7		10·9
22-23	5·8		1·2		4·6
23-24	6·4		3·3		3·1
24-25	5·4		3·5		1·9
25-26	9·1		4·5		4·6
26-27	7·3		4·9		2·4

949170

115

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

2/2

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER.. E4..... RECORDED BY... A. JACKSON.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
			-10mm to -20# (Kg)		
27-28	5·0		3·7		1·3
28-29	8·3		4·8		3·5
29-30	16·2	2 COLOURS	12·0		4·2
30-31	10·0		7·0		3·0
31-32	11·1		8·4		2·7
32-33	16·4		9·0		7·4
33-34	12·2		7·5		4·7
34-35·5	45·9		25·5		20·7
35·5-36·0	24·2		16·9		7·3
36-37	5·6		1·7		3·9
37-38	9·4		3·2		6·2
38-39	7·1		2·4		4·7
39-40	13·3		6·3		7·0
40-41	20·0		5·9		14·1
EOH SILTS	111·6		67·0		44·

116

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E4-A Commenced time: 12.00 PM Date: 8.4.81 Machine: GEMCO 210B Casing shoe diameter: External: 9.3 cm Internal: 7.0 cm

Off-set: — Completed time: 2.30 PM Date: 14.4.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/5

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	Av (my energy) per [illegible]	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
0-1	1	Brown sands & gravels	F			9.0	9.0		14.3					9.43	—				
1-2	1	Ochre clays	M			10.0	19.0		19.3					3.36	—				
2-3	1	" "	M			5.0	24.0		10.1					9.43	—				
3-4	1	Coarse sands & gravels	F			13.0	37.0		25.7					4.61	—				
4-5	1	" " "	F			15.0	52.0		28.5					7.91	0.290				2 colours
5-6	1	" " "	F			12.0	64.0		21.9					12.23	0.167				2 colours
6-7	1	Coarse sands	F			1.5	65.5		2.6					?	—				
7-8	1	" "	F			1.5	67.0		1.3					8.06	—				
8-9	1	Stiff grey clay with minor gravels	S			4.0	71.0		9.3					9.08	—				
9-10		" " " "	S			4.0	75.0		8.4					18.28	—				

Bottomed / Unbottomed at 34.0 metres on Conglomerate/bedrock

Completed at 80.0 m.

Average field grade _____ g. per cu. m.

9469

AUSTRALIAN ANGLO AMERICAN LIMITED

117 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: E4-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (mg) in total sample	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
10-11	1	Grey clay	S			1·5	76·5		2·6					5·56	—				
11-12	1	Sandy clay	M			3·5	80·0		7·1					7·63	—				
12-13	1	Grey sandy clay	M			2·5	82·5		2·9					13·16	—				
13-14	1	" " "	M			3·0	85·5		4·0					8·24	—				
14-15	1	" " "	M			3·0	88·5		4·6					8·52	—				
15-16	1	Grey sandy clay with coal fragments	M			2·0	90·5		9·3					8·36	—				
16-17	1	Grey-brown sandy clay with coal fragments	M			4·0	94·5		16·3					26·76	0·002				
17-18	1	" " "	M			8·0	102·5		18·6					8·46	—				
18-19	1	" " "	M			5·0	107·5		11·3					7·16	0·003				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9491/2

AUSTRALIAN ANGLO AMERICAN LIMITED

118 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no: E4-A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 3/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	Au (mg. bearing) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
19-20	1	Gravelly sands with coal fragments.	F			6.0	113.5		11.3					7.35	—				
20-21	1	" " " "	F			9.0	122.5		14.8					15.01	—				
21-22	1	Sandy gravels with coal fragments	F			6.0	128.5		10.7					10.60	—				
22-23	1	" " " "	F			7.5	136.0		12.2					12.36	—				
23-24	1	" " " "	F			11.5	147.5		18.7					29.66	—				
24-25	1	Sand with coal fragments	F			12.5	160.0		19.4					12.16	—				
25-26	1	" " " "	F			14.5	174.5		23.9					28.69	0.003				
26-27	1	Gravelly sand with coal fragments	F			13.0	187.5		23.9					12.87	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9491473

119

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: E4 - A Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____ SHEET 4/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Av(mg) wt(g) per cu.m	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
27-28	1	Gravelly sand with coal fragments	F			10.5	193.0		18.5					44.14	—				
28-29	1	Coarse sand with coal fragments	F			18.0	216.0		24.7					14.34	—				
29-30	1	" " " "	F			6.0	222.0		10.0					30.04	—				
30-31	1	Gravelly sands with coal fragments	F			12.0	234.0		21.5					13.31	—				
31-32	1	" " "	F			9.0	243.0		15.5					6.03	—				
32-33	1	" " "	F			16.5	259.5		27.3					19.24	—				
33-34	1	" " "	F			9.0	268.5		18.2					10.51	0.011				
34-35	1	Rock chips & coal fragments				7.0	275.5		14.7					12.61	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9451/4

120

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no: EL4-A Commenced time: ____ Date: ____ Machine: ____ Casing shoe diameter: ____

Off-set: ____ Completed time: ____ Date: ____ Foreman panner: ____ Supervisor: ____

Collar level: ____

SHEET 5/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lns cu m.) section	THEORETICAL VOL (1000 lns cu m.) cum	ACTUAL VOLUME section (1000 lns cu m)	ACTUAL VOLUME cum (1000 lns cu m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd	FIELD CONCENTRATE Au (mg) per assay	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog wt. (g.) per cu. m.	REMARKS
35-		Conglomerate of large													—				CORED
48.5		quartz, sandstone & shale																	
		pebbles & cobbles in fine matrix;																	
		pyrite & coal fragments																	
		present; interspersed with																	
		sections of coarse sand																	
		& clay.																	
48.5		? Dolerite in							17.6					14.74	0.019				
50		altered/weathered grey-green																	
		material																	
35.47									248.9					35.46	—				
		EOH Silts							10.4					4.77	—				

Bottomed / Unbottomed at ____ metres on ____ bedrock

Average field grade ____ g per cu m

121

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949176 1/2

PROJECT NUMBER EL27/80.. AREA SOUTH ESK. STATE TASMANIA

BORE NUMBER.. E4A..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm ~~+20#~~ (Kg)	-20# (Kg)	
0-1	14·3		3·3		11·0
1-2	19·3		2·8		17·5
2-3	10·1		1·5		8·6
3-4	25·7		13·7		12·0
4-5	28·5		18·9	2 COLOURS	9·4
5-6	21·9		19·2	2 COLOURS	2·7
6-7	2·6		0·5		2·1
7-8	1·3		0·8		0·5
8-9	9·3		0·9		8·4
9-10	8·4		1·4		7·0
10-11	2·6		0·7		1·9
11-12	7·1		1·5		5·6
12-13	2·9		0·7		2·2
13-14	4·0		0·4		3·6
14-15	4·6		0·2		4·4
15-16	4·6		0·4		4·2
16-17	9·3		1·7		7·6
17-18	16·3		3·2		13·1
18-19	18·6		6·1		12·5
19-20	11·3		5·7		5·6
20-21	14·8		12·1		2·7
21-22	10·7		8·5		2·2
22-23	12·2		7·0		5·2
23-24	18·7		14·2		4·5
24-25	19·4		12·1		7·3
25-26	23·9		11·5		12·4
26-27	23·9		11·9		12·0

122

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949177

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK. STATE. TASMANIA.

BORE NUMBER... E4A..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm ~~+20#~~ (Kg)	-20# (Kg)	
27-28	18·5		5·9		12·6
28-29	24·7		13·4		11·3
29-30	10·0		6·3		3·7
30-31	21·5		14·9		6·6
31-32	15·5		14·2		1·3
32-33	27·3		20·2		7·1
33-34	18·2		11·9		6·3
34-35	14·7		9·7		5·0
35-47 (CORED)	248·9		195·7		53·2
48·5-50 (CORED)	17·6		1·7		15·9
EOH SILTS	10·4	1 COLOUR	0·7		9·7

123

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E 5 Commenced time: 10.00 AM Date: 5.3.81 Machine: GEMCO 210B Casing shoe diameter: External 9.0 cm Internal 7.5 cm. SHEET 1 /5

Off-set: 55.8m → 232° Completed time: 5.45 PM Date: 11.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.) section	THEORETICAL VOL (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m + 20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) recovd.	FIELD CONCENTRATE Au (mg) assay per Au (gram) dollar	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
0-1	1	Brown sands & silt; ochre clays & gravels	F			5.0	5.0		9.5					17.41	—				Cased only
1-2	1	Ochre clayey sands	F			9.0	14.0		13.9					21.21	—				Drilled then cased
2-3	1	Coarse sands & gravels	F			12.0	26.0		22.5					18.04	TR 0.027				
3-4	1	" " "	F			15.0	41.0		27.9					13.41	—				
4-5	1	Ochre clayey sand	F			6.0	47.0		10.4					28.17	—				
5-6	1	Grey clay; gravels & sands	M			5.0	52.0		6.7					20.90	—				
6-7	1	Grey sandy clay with coal fragments	M			3.0	55.0		4.2					22.70	—				
7-8	1	" " " "	M			2.0	57.0		2.8					35.48	—				
8-9	1	Stiff grey clay with coal fragments	S			2.0	59.0		4.9					10.63	—				

Bottomed / [redacted] at 35.0 metres on CONGLOMERATE bedrock

Average field grade _____ g. per cu. m.

9461/83

AUSTRALIAN ANGLO AMERICAN LIMITED

124

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: ES Commenced time: Date: Machine: Casing shoe diameter: SHEET 2/6

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lbs. cu.m.)	cum (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) submitted per Au (ppm) cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
9-10	1	Stiff grey clay with coal fragments	S			2.0	61.0		5.7					37.84	—				
10-11	1	Grey Sandy clay with coal fragments	M			5.0	66.0		7.2					57.01	—				
11-12	1	" " " " "	M			3.0	69.0		7.6					25.04	—				
12-13	1	" " " " "	M			9.0	78.0		15.0					20.05	—				
13-14	1	" " " " "	M			5.0	83.0		7.3					23.08	—				
14-15	1	" " " " "	M			5.0	88.0		8.7					16.40	—				
15-17	2	Grey-black clayey sand with coal fragments	M			16.0	104.0		25.9					44.71	—				
17-18	1	" " " "	M			6.0	110.0		9.2					16.18	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94139

AUSTRALIAN ANGLO AMERICAN LIMITED

125

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: E5 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/5

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths cu.m.)	cum (1000 ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
18-19	1	Grey-black sand with coal fragments; quartz gravel	F			7·0	117·0		9·9					42·84	—				
19-20	1	Coarse sands and quartz gravels	F			9·0	126·0		14·2					22·60	—				
20-21	1	Coarse sands and quartz gravels with coal fragments.	F			11·0	137·0		19·3					39·57	—				
21-22	1	" " " "	F			11·0	148·0		15·9					16·26	—				
22-23	1	" " " "	F			12·0	160·0		19·1					20·11	—				
23-24	1	" " " "	F			9·0	169·0		17·3					29·34	0·010 0·341				
24-25	1	" " " "	F			13·0	182·0		17·2					15·57	0·130 8·35				(1 colour)
25-26	1	" " " "	F			15·0	197·0		21·1					20·61	0·001 0·036				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9463180

126

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: ES Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/5

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) record.	FIELD CONCENTRATE Au (mg) gold per cubic meter Au (ppb)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
26-27	1	Grey sandy clay with coal fragments & pyrite	F			5·0	2020		6·3					21·36	—				
27-28	1	Grey sandy gravels with coal fragments & pyrite.	F			3·0	2050		5·4					15·05	—				
28-29	1	" " " "	F			15·0	2200		21·6					22·77	TR 0·010				
29-30	1	" " " "	F			13·0	2330		13·9					13·12	0·001 0·076				
30-31	1	" " " "	F			30·0	2630		44·7					14·22	—				
31-32	1	" " " "	F			21·0	2840		30·7					15·95	—				
32-33	1	" " " "	F			16·0	3000		19·4					17·32	—				
33-34	1	" " " "	F			25·0	3250		35·6					7·87	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9403-1363

AUSTRALIAN ANGLO AMERICAN LIMITED

127 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: ES Commenced time: Date: Machine: Casing shoe diameter: SHEET 5/5

Off-set: Completed time: Date: Foreman, panner: Supervisor:

Collar level:

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	Au (oz. wt. g.) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
34-35	1	Grey sandy quartz gravels	F			36·0	361·0		61·6					11·09	—				
		with coal fragments																	
		& pyrite																	
35-36	1	Conglomerate of large				13·0	374·0		12·6					9·94	—				CORED
		quartz and sandstone																	Recovered 1·0 m.
		pebbles in quartz																	
		gravel matrix.																	
		EOH BILTS				7·0	381·0		14·3					6·18	—				

Bottomed / Unbottomed at metres on bedrock. Average field grade g. per cu. m.

9463182

128

949183

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER.. ES..... RECORDED BY A... JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels ~10mm (Kg) to -20#			Clay (Kg)
0-1	9.5	3.9			5.6
1-2	13.9	5.2			8.7
2-3	22.5	16.4			6.1
3-4	27.9	14.7			13.2
4-5	10.4	0.9			9.5
5-6	6.7	3.3			3.4
6-7	4.2	0.5			3.7
7-8	2.8	0.2			2.6
8-9	4.9	0.05			4.85
9-10	5.7	0.7			5.0
10-11	7.2	1.7			5.5
11-12	7.6	1.9			5.7
12-13	15.0	1.6			13.4
13-14	7.3	1.1			6.2
14-15	8.7	3.0			5.7
15-17	25.9	3.2			22.7
17-18	9.2	6.0			3.2
18-19	9.9	5.5			4.4
19-20	14.2	8.7			5.5
20-21	19.3	10.7			8.6
21-22	15.9	10.1			5.8
22-23	19.1	13.9			5.2
23-24	17.3	15.7			1.6
24-25	17.2 (1 COLOUR)	10.9			6.3
25-26	21.1	16.3			4.8
26-27	6.3	3.6			2.7
27-28	5.4	3.8			1.6

129

949184

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL.22/80. AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER. ES. RECORDED BY. A. JACKSON.

SHEET 2/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels - 10mm (Kg) to -20#			Clay (Kg)
28 - 29	21.6	17.5			4.1
29 - 30	13.9	9.3			4.6
30 - 31	44.7	21.9			22.8
31 - 32	30.7	19.7			11.0
32 - 33	19.4	13.4			6.0
33 - 34	35.6	12.7			22.9
34 - 35	61.6	15.0			46.6
35 - 36	12.6	0.7			11.9
OH SILTS	14.3	1.0			13.3

130

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: E6 Commenced time: 10.45 AM Date: 25.3.81 Machine: GEMCO 210B Casing shoe diameter: 9.0 cm External, 7.5 cm internal

Off-set: — Completed time: 2.15 PM Date: 29.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/5

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 tns. cu.m.)	cum. (1000 tns. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	DU (mg/kg.) pan dumm	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+ 10 mm	- 10 m + 20 #	- 20 #							
0-1	1	Brown sands & gravels	F			8.0	8.0		11.9					14.70	6.006				Cased only
1-2	1	" " "	F			13.0	21.0		27.1					13.33	—				Drilled, then cased.
2-3	1	Coarse sands & gravels	F			14.0	35.0		23.1					14.91	—				
3-4	1	" " "	F			15.0	50.0		28.9					10.16	—				
4-5	1	" " "	F			5.0	55.0		6.8					15.35	—				
5-6	1	" " "	F			3.0	58.0		5.7					15.96	—				
6-7	1	" " "	F			6.0	64.0		11.3					12.98	—				
7-8	1	Stiff greyclays; coarse sands	S F			23.0	87.0		43.1					13.06	—				
8-9	1	Grey clayey sands	M			5.0	92.0		8.0					12.50	—				

Bottomed / [illegible] at 58.0 metres on Mathinna Shale bedrock.

Average field grade _____ g. per cu. m.

9401585

131

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL. 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E 6 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cum.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt. (g) record.	dv (mg per cu.m.)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
9-10	1	Grey clays with coal fragments	S			4·0	96·0		8·9					13·36	—				
10-11	1	" " "	S			3·0	99·0		5·1					12·04	—				
11-12	1	" " "	S			2·0	101·0		5·1					11·04	—				
12-13	1	Clayey sand with coal fragments	M			7·0	108·0		11·2					13·26	0·005				
13-14	1	Grey sandy clay with coal fragments	M			4·0	112·0		6·9					7·98	—				
14-15	1	" " "	M			3·0	115·0		6·4					11·74	—				
15-16	1	" " "	M			3·0	118·0		6·6					10·80	—				
16-17	1	" " "	M			4·0	122·0		9·0					12·83	—				
17-18	1	" " "	M			5·0	127·0		10·2					10·16	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9491186

132

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: E6 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

SHEET 5/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs cu.m.)	ACTUAL VOLUME cum. (1000 lbs cum.)	ACTUAL VOLUME section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE gold (mg unless otherwise stated) per cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
18-19	1	Grey sandy clay with coal fragments	M			5·0	132·0		7·3					13·08	—				
19-20	1	Grey clayey sand with coal fragments	M			4·0	136·0		7·7					12·46	0·002				
20-21	1	" " "	M			11·0	147·0		16·4					9·62	0·003				
21-22	1	" " "	M			4·0	151·0		7·6					10·69	—				
22-23	1	" " "	M			4·0	155·0		7·9					14·35	0·001				
23-24	1	" " "	M			4·0	159·0		7·5					13·90	—				
24-25	1	Stiff grey clay	S			1·0	160·0		1·9					10·52	—				CORED. No recovery
25-26	1	Grey sandy clay	M			4·0	164·0		8·7					12·07	—				
26-27	1	" " "	M			7·0	171·0		13·6					10·71	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

0470180

133

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: E6 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 4/5

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au(mg) wt.(g) per cum.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
27-28	1	Grey sandy clay	M			5·0	176·0		8·5					12·35	—				
28-29	1	" " "	M			4·0	180·0		8·3					12·40	—				
29-30	1	Grey clayey sand with coal fragments	M			9·0	189·0		15·7					11·71	—				
30-31	1	" " "	M			4·0	193·0		8·2					10·91	0·007				
31-32	1	" " "	M			4·0	197·0		8·3					8·29	—				
32-33	1	Grey clayey sand with coal fragments & pyrite	M			4·0	201·0		6·1					9·47	—				
33-34	1	Grey sandy clays with coal fragments & pyrite	M			5·0	206·0		7·6					10·61	—				
34-36	2	" " "	M			12·0	218·0		20·5					12·45	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9491869

AUSTRALIAN ANGLO AMERICAN LIMITED

134

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E6 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 5/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS + 10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	gu (mg gold/kg) per cent	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
36-37	1	Grey sandy clay with coal fragments & pyrite	M			5.0	223.0		10.6					9.94	—				Not cased.
37-38	1	Grey sandy clays & shale chips				5.0	228.0		10.7					12.47	—				" "
38-39	1	Grey laminated shales																	Cored
		EOH Silts				19.0	247.0		20.2					12.81	—				

Bottomed / Unbottomed at 38.0 metres on Mathinna Shales bedrock.

Average field grade _____ g. per cu. m.

9461369

135

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949190

PROJECT NUMBER..EL 22/80 AREA..SOUTH..ESK. STATE..TAS.....

BORE NUMBER..E6..... RECORDED BY..A..JACKSON... SHEET 1/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	11·9	—	4·5		7·4
1-2	27·1	—	17·0		10·1
2-3	23·1	—	13·9		9·2
3-4	28·9	—	11·5		17·4
4-5	6·8	—	5·6		1·2
5-6	5·7	—	4·7		1·0
6-7	11·3	—	2·3		9·0
7-8	43·1	—	26·6		16·5
8-9	8·0	—	0·5		7·5
9-10	8·9	—	1·0		7·9
10-11	5·1	—	0·1		5·0
11-12	5·1	—	0·3		4·8
12-13	11·2	—	2·1		9·1
13-14	6·9	—	1·2		5·7
14-15	6·4	—	0·2		6·2
15-16	6·6	—	0·5		6·1
16-17	9·0	—	1·1		7·9
17-18	10·2	—	1·2		9·0
18-19	7·3	—	0·9		6·4
19-20	7·7	—	0·5		7·2
20-21	16·4	—	7·6		8·8
21-22	7·6	—	1·6		6·0
22-23	7·9	—	0·7		7·2
23-24	7·5	—	0·8		6·7
24-25	1·9	—	0·1		1·8
25-26	8·7	—	1·0		7·7
26-27	13·6	—	1·4		12·2

136 AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949191

PROJECT NUMBER. EL. 22/80 AREA. SOUTH. ESK STATE. TAS.....

BORE NUMBER. E6..... RECORDED BY. A. JACKSON... SHEET 2/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
27-28	8·5	—	0·9		7·4
28-29	8·3	—	1·2		7·1
29-30	15·7	—	2·3		13·4
30-31	8·2	—	1·0		7·2
31-32	8·3	—	1·1		7·2
32-33	6·1	—	0·8		5·3
33-34	7·6	—	0·7		6·9
34-36	20·5	—	4·2		16·3
36-37	10·6	—	1·4		9·2
37-38	10·7	—	1·6		9·1
EOH SILTS	20·2	—	0·2		20·0

AUSTRALIAN ANGLO AMERICAN LIMITED

137 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E7 Commenced time: 2.45 PM Date: 29.3.81 Machine: GEMCO 210B Casing shoe diameter: 9.0 cm External 7.5 cm Internal.

Off-set: — Completed time: 5.45 PM Date: 31.3.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/5

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.) section	THEORETICAL VOL. (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000 lbs. cu.m.)	ACTUAL VOLUME cum. (1000 lbs. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm.	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au(mg) wt.(g) per comp.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sands & silt	F			7.0	7.0		12.1					12.50	—				Cased only
1-2	1	Ochre sands & gravels	F			10.0	17.0		17.9					10.95	0.093				Dolled, then cased 2 colours
2-3	1	Ochre sands & gravels with clay bands	M			11.0	28.0		19.0					9.37	0.039				
3-4	1	" " "	M			9.0	37.0		13.6					11.24	0.007				1 colour
4-5	1	Coarse gravels & chips	P			7.0	44.0		11.6					14.46	0.001				
5-6	1	Stiff ochre clays; Stiff grey clays	S			6.0	50.0		10.4					14.50	0.006				
6-7	1	Grey clay with coal fragments	S			4.0	54.0		7.7					11.12	—				
7-8	1	Grey clayey sand with coal fragments	M			5.0	59.0		7.9					16.09	0.001				

Bottomed / Unbottomed at 34.0 metres on Conglomerate

Average field grade _____ g. per cu. m.

9491692

AUSTRALIAN ANGLO AMERICAN LIMITED

138

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: E7 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 2/5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) per cum.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
8-9	1	Grey clay with coal fragments	S			2·0	61·0		3·7					14·00	—				
9-10	1	" " " "	S			2·0	63·0		4·5					N.S.	—				
10-11	1	" " " "	S			2·0	65·0		5·9					N.S.	—				
11-12	1	" " " "	S			3·0	68·0		6·0					N.S.	—				
12-13	1	Grey clays	S			3·0	71·0		6·3					12·33	—				
13-14	1	Grey sandy clay	M			4·0	75·0		6·9					9·06	—				
14-15	1	" " "	M			4·0	79·0		5·0					10·84	—				
15-16	1	" " "	M			3·0	82·0		4·6					8·37	—				
16-17	1	Grey clay	S			4·0	86·0		3·7					9·32	—				
17-18	1	Stiff grey clay	S			2·0	88·0		5·2					23·23	—				Not cased.

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9460

AUSTRALIAN ANGLO AMERICAN LIMITED

139 PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: E 7 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/5

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) per	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
18-19	1	Stiff grey clay	S			2·0	90·0		2·8					7·86	—				
19-20	1	" " "	S			2·0	92·0		3·9					9·15	—				
20-21	1	Stiff grey clay with coal fragments	S			2·0	94·0		4·7					9·86	—				
21-22	1	" " "	S			2·0	96·0		4·2					7·90	—				
22-23	1	" " "	S			2·0	98·0		6·1					8·31	—				
23-24	1	Grey sandy clay	M			3·0	101·0		6·1					7·62	—				
24-25	1	Grey clay with coal fragments	S			3·0	104·0		5·8					11·36	—				
25-26	1	" " "	S			3·0	107·0		6·1					11·40	—				
26-27	1	" " "	S			2·0	109·0		4·9					10·53	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

96 0139

140

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E7 Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/5

Off-set: Completed time: Date: Foreman ponner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths. cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20#	CLAY	actual wt.(g.) record	Au (mg) per cu. m.	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
27-28	1	Grey clay with coal fragments	S			2·0	111·0		5·9					12·34	—				
28-29	1	" " " "	S			2·0	113·0		5·7					3·05	—				
29-30	1	" " " "	S			2·0	115·0		4·7					11·26	—				
30·31	1	" " " "	S			3·0	118·0		6·3					8·99	—				
31-32	1	Grey-green sandy clay with coal fragments	M			4·0	122·0		8·2					7·97	—				
32-33	1	" " "	M			4·0	126·0		6·8					10·76	—				
33-34	1	Grey-green sandy clay	M			4·0	130·0		8·7					9·13	—				
34-35	1	Coarse pebbly conglomerate in grey-green matrix.																	CORED

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94105

141

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E7 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

SHEET 5/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths. cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd.	Au (mg) per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
		EOH Silts				13·0	143·0		24·4					12·32	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9401696

142

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949197

PROJECT NUMBER. EL.22/80. AREA. SOUTH. ESK STATE... TAS....

BORE NUMBER... E7..... RECORDED BY.. A. JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	12.1	-	3.1		9.0
1-2	17.9	-	5.5	2 COLOURS	12.4
2-3	19.0	-	9.0		10.0
3-4	13.6	-	9.4	1 COLOUR	4.2
4-5	11.6	-	11.0		0.6
5-6	10.4	-	1.8		8.6
6-7	7.7	-	2.2		5.5
7-8	7.9	-	2.2		5.7
8-9	3.7	-	0.8		2.9
9-10	4.5	-	0.05		4.45
10-11	5.9	-	0.05		5.85
11-12	6.0	-	0.7		5.3
12-13	6.3	-	1.8		4.5
13-14	6.9	-	2.1		4.8
14-15	5.0	-	2.2		2.8
15-16	4.6	-	1.3		3.3
16-17	3.7	-	0.3		3.4
17-18	5.2	-	0.2		5.0
18-19	2.8	-	0.1		2.7
19-20	3.9	-	0.2		3.7
20-21	4.7	-	0.05		4.65
21-22	4.2	-	0.1		4.1
22-23	6.1	-	1.0		5.1
23-24	6.1	-	0.1		6.0
24-25	5.8	-	0.2		5.6
25-26	6.1	-	0.4		5.7
26-27	4.9	-	0.2		4.7

143

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949198

PROJECT NUMBER. EL.22/80 AREA. SOUTH ESK. STATE. TAS.....

BORE NUMBER...E7..... RECORDED BY. A...JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
27-28	5·9	—	0·3		5·6
28-29	5·7	—	0·2		5·5
29-30	4·7	—	0·2		4·5
30-31	6·3	—	0·6		5·7
31-32	8·2	—	0·8		7·4
32-33	6·8	—	2·1		4·7
33-34	8·7	—	2·8		5·9
ADH SILTS	24·4	—	3·6		20·8

AUSTRALIAN ANGLO AMERICAN LIMITED

144 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: EB Commenced time: 10·30 AM Date: 1·4·81 Machine: GEMCO 210B Casing shoe diameter: External 9·0 Internal 9·5

Off-set: 12·5m ⇒ 090° Completed time: 12·45 PM Date: 3·4·81 Foreman panner: A JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd	FIELD CONCENTRATE Au(g) wt.(g) per cu.m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu.m.	REMARKS
0-1	1	Brown sand & silts	F			3·0	3·0		3·9					10·70	—				
1-2	1	Coarse sands & gravels	F			13·0	16·0		23·5					12·05	0·001				
2-3	1	" " "	F			23·0	39·0		36·0					7·41	—				
3-4	1	Coarse gravels & rock chips	F			12·0	51·0		25·5					11·33	0·020				1 COLOUR.
4-5	1	Coarse sands & gravels	F			11·0	62·0		24·2					12·71	—				
5-6	1	" " "	F			6·0	68·0		13·4					10·53	—				
6-7	1	Clays & coarse sands	F			5·0	73·0		9·3					10·77	—				
7-8	1	" " "	F			2·0	75·0		2·2					12·70	—				
8-9	1	Coarse sands	F			5·0	80·0		10·0					11·61	—				
9-10	1	Grey clay & coal fragments	S			2·0	82·0		3·9					9·42	—				NOT CASED

Bottomed / Uncontrolled at 40·5 metres on Conglomeratic bedrock

Average field grade _____ g. per cu. m.

9401199

AUSTRALIAN ANGLO AMERICAN LIMITED

145

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: ES Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman/panner: Supervisor:

Collar level:

SHEET 2/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m)	cum (1000ths cu.m.)	section vol rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt (g) recovd.	Au (mg) per cum.	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
10-11	1	Grey clay with coal fragments	S			2·0	84·0		4·0					8·13	—				
11-12	1	" " " "				2·0	86·0		3·1					9·47	—				
12-13	1	" " " "				4·0	90·0		6·0					13·23	—				
13-14	1	" " " "				3·0	93·0		4·0					8·83	—				
14-15	1	" " " "				6·0	99·0		9·0					11·49	—				
15-16	1	" " " "				4·0	103·0		4·1					10·81	—				
16-17	1	" " " "				3·0	106·0		5·7					7·56	—				
17-18	1	" " " "				3·0	109·0		4·7					9·01	—				
18-19	1	" " " "				3·0	112·0		6·8					12·11	—				
19-20	1	" " " "				3·0	115·0		6·2					12·26	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

940200

AUSTRALIAN ANGLO AMERICAN LIMITED

146

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E8 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

SHEET 3/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths cu m.) section	THEORETICAL VOL (1000 ths cu m.) cum	ACTUAL VOLUME section (1000 ths cu m)	ACTUAL VOLUME cum (1000 ths cu m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg)	WT(%) SANDS/GRAVELS +10 mm	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd	FIELD CONCENTRATE Au (mg/g) - time cum.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
20-21	1	Grey clay with coal fragments	S			3·0	118·0		5·7					13·50	—				
21-22	1	" " " "	S			3·0	121·0		5·8					5·74	3·00				
22-23	1	" " " "	S			3·0	124·0		5·2					9·22	—				
23-24	1	" " " "	S			3·0	127·0		5·1					8·06	0·003				
24-25	1	" " " "	S			3·0	130·0		4·2					7·27	—				
25-26	1	" " " "	S			3·0	133·0		4·4					6·66	—				
26-27	1	" " " "	S			3·0	136·0		4·1					5·19	—				
27-28	1	" " " "	S			3·0	139·0		4·2					5·92	—				
28-29	1	" " " "	S			2·0	141·0		4·6					9·74	—				
29-30	1	" " " "	S			3·0	144·0		5·3					9·15	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9460 9320

147

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E8 Commenced time: Date: Machine: Casing shoe diameter:

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

SHEET 4/5

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	[illegible] per [illegible]	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
30-31	1	Grey clays with coal fragments.	S			3·0	147·0		5·0					11·06	0·004				
31-32	1	" " " "	S			3·0	150·0		4·4					12·77	—				
32-33	1	" " " "	S			2·0	152·0		6·4					9·94	—				
33-34	1	Grey-green sandy clay with coal fragments	M			3·0	155·0		7·7					10·94	—				
34-35	1	" " " "	M			4·0	159·0		8·7					11·08	—				
35-36	1	" " " "	M			3·0	162·0		5·4					9·29	—				
36-37	1	" " " "	M			3·0	165·0		6·0										
37-38	1	" " " "	M			3·0	168·0		6·6					9·84	—				
38-39	1	" " " "	M			11·0	179·0		21·4					13·43	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9/9/2003

AUSTRALIAN ANGLO AMERICAN LIMITED

148

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: E8 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____ SHEET 5 | 5

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd.	4J (mm) wt.(g) per sample	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
39-40	1	Grey green sandy clays				6·0	185·0		11·2					15·83	—				
40-41	1	0.5m grey-green sandy clays 0.5m coarse pebbly conglomerate in grey-green matrix.																	Cored. Recovered 1.0m
		E.O.H. Silts				14·0	199·0		30·2					11·35	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9419203

149

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949204

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK STATE. TAS.....

BORE NUMBER. E8..... RECORDED BY. A. JACKSON....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels +10mm (Kg)	Sands/Gravels -10mm +20# (Kg)	Sands/Gravels -20# (Kg)	Clay (Kg)
0-1	3·9	—	0·3		3·6
1-2	23·5	—	10·5		13·0
2-3	36·0	—	25·1		10·9
3-4	25·5	—	20·2	1 COLOUR	5·3
4-5	24·2	—	13·7		10·5
5-6	13·4	—	8·5		4·9
6-7	9·3	—	5·3		6·0
7-8	2·2	—	1·9		0·3
8-9	10·0	—	6·8		3·2
9-10	3·9	—	0·6		3·3
10-11	4·0	—	0·3		3·7
11-12	3·1	—	0·8		2·3
12-13	6·0	—	0·6		5·4
13-14	4·0	—	1·3		2·7
14-15	9·0	—	0·7		8·3
15-16	4·1	—	0·5		3·6
16-17	5·7	—	0·6		5·1
17-18	4·7	—	1·0		3·7
18-19	6·8	—	1·4		5·4
19-20	6·2	—	0·9		5·3
20-21	5·7	—	0·8		4·9
21-22	5·8	—	1·2		4·6
22-23	5·2	—	0·9		4·3
23-24	5·1	—	0·8		4·3
24-25	4·2	—	0·7		3·5
25-26	4·4	—	0·3		4·1
26-27	4·1	—	0·6		3·5

150

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949205

PROJECT NUMBER. E4.22/80 AREA. SOUTH ESK STATE. TAS.....

BORE NUMBER. E8..... RECORDED BY. A. JACKSON...

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
27-28	4·2	—	1·0		3·2
28-29	4·6	—	0·8		3·8
29-30	5·3	—	0·8		4·5
30-31	5·0	—	0·8		4·2
31-32	4·4	—	0·6		3·8
32-33	6·4	—	1·0		5·4
33-34	7·7	—	3·8		3·9
34-35	8·7	—	3·5		5·2
35-36	5·4	—	0·8		4·6
36-37	6·0	—	1·2		4·8
37-38	6·6	—	1·5		5·1
38-39	21·4	—	5·1		16·3
39-40	11·2	—	4·5		6·7
EOH SILTS	30·2	—	8·0		22·2

AUSTRALIAN ANGLO AMERICAN LIMITED

151

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no: G 1 Commenced time: 10.15 AM Date: 1.5.81 Machine: GEMCO 210B Casing shoe diameter: External 9.3cm Internal 7.5cm

Off-set: — Completed time: 10.00 AM Date: 9.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/3

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) record.	Au (mg) assay. gm. Au (mg) cubic.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Ochre clays & gravels	M			4.0	4.0		8.7					1.76	— —				Cased only.
1-2	1	Ochre clays	S			3.0	7.0		8.6					8.00	— —				Drilled then cased.
2-3	1	Ochre gravel & coarse sands	F			7.0	14.0		14.7					9.14	— —				
3-4	1	" " " "	F			8.0	22.0		13.9					11.89	— —				
4-5	1	" " " "	F			10.0	32.0		20.6					11.10	0.003 0.284				
5-6	1	" " " "	F			2.0	34.0		3.1					4.55	— —				
6-7	1	Ochre clayey sands	M			7.0	41.0		14.5					3.57	0.028 7.96				
7-8	1	Coarse gravel & rock chips	F			3.0	44.0		5.3					7.29	0.001 0.154				
8-9	1	Coarse sands & gravel	F			13.0	57.0		26.0					11.10	— —				1 colour

Bottomed / Uncovered at 23.0 metres on Dolerite bedrock

Average field grade _____ g. per cu. m.

9420C

AUSTRALIAN ANGLO AMERICAN LIMITED

152

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

SHEET 2/3

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) recovd.	Au (Avg wt-fig) / pan Au (ppm) / specific	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
9-10	1	Coarse sands & gravels	F			5·0	62·0		11·3					4·80	0·015 / 3·10				1 colour
		stiff grey clay with	S																
		coal fragments																	
10-11	1	Grey sandy clay	M			4·0	66·0		9·0					11·60	0·301 / 26·0				
11-12	1	" " "	M			7·0	73·0		11·6					7·07	0·045 / 6·29				
12-13	1	" " "	M			7·0	80·0		8·6					11·21	- / -				
13-14	1	" " "	M			7·0	87·0		11·9					3·41	TR / 0·073				
14-15	1	Grey sandy clay with	M			5·0	92·0		14·2					7·49	- / -				
		quartz chips																	
15-17	2	" " " "	M			10·0	102·0		23·8					14·65	0·007 / 0·461				
17-18	1	" " " "	M			12·0	114·0		25·2					12·26	- / -				
18-19	1	Grey-green clayey sand	M			4·0	118·0		6·4					10·93	0·004 / 0·413				Not cased.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94020

AUSTRALIAN ANGLO AMERICAN LIMITED

153 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: G1 Commenced time: Date: Machine: Casing shoe diameter: SHEET 5/5

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 tns. cu.m.)	cum. (1000 tns cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g.) recovd.	Au (mg) assay Au (ppm) dwt.	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
19-20	1	Grey-green clayey sand	M			4·0	122·0		6·9					3·52	TR 0·143				
		Grey-green clayey																	
20-21	1	Sand with quartz chips	M			3·0	125·0		5·5					8·17	TR 0·098				
21-22	1	Grey clays with quartz chips	SM			11·0	136·0		22·1					4·24	—				
22-23	1	Coarse quartz gravels; Dolerite (0·9m.)																	CORED 1·0m. Recovered 1·0m.
		EOH Silts				3·0	139·0		8·0					1·25	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9402C6

154

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949209

PROJECT NUMBER. EL.22/80.. AREA. SOUTH ESK. STATE. TASMANIA..

BORE NUMBER...91..... RECORDED BY. A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	8·7	—	0·4	1·3	7·0
1-2	8·6	—	0·1	0·8	7·7
2-3	14·7	—	3·0	3·0	8·7
3-4	13·9	—	6·4	4·2	3·3
4-5	20·6	—	5·8	10·8	4·0
5-6	3·1	—	1·0	0·8	1·5
6-7	14·5	—	1·1	4·7	8·7
7-8	5·3	—	2·9	1·1	1·3
8-9	26·0 (1 COLOUR)	—	9·5	7·3	9·2
9-10	11·3 (1 COLOUR)	—	2·9	3·8	4·6
10-11	9·0	—	0·1	2·9	6·0
11-12	11·6	—	0·4	4·2	7·0
12-13	8·5	—	0·4	3·0	5·1
13-14	11·9	—	5·6	3·7	2·6
14-15	14·2	—	1·6	3·9	8·7
15-17	23·8	—	4·0	7·0	12·8
17-18	25·2	—	5·6	10·2	9·4
18-19	6·4	—	0·1	1·8	4·5
19-20	6·9	—	0·3	2·2	4·4
20-21	5·5	—	0·2	1·9	3·4
21-22	22·1	—	2·5	10·8	8·8
EOH SILTS	8·0	—	0·2	0·5	7·3

155

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: 92 Commenced time: 11.30 AM Date: 26.4.81 Machine: GEMCO 210B Casing shoe diameter: External 9.3cm Internal 7.5cm

Off-set: - Completed time: 4.30 PM Date: 30.4.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/6

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu m.) section	THEORETICAL VOL. (1000 lbs. cu m.) cum	ACTUAL VOLUME section (1000ths cu m)	ACTUAL VOLUME cum (1000ths cu m.)	ACTUAL VOLUME section vol. rec.(%)	WT. OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m + 20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd	FIELD CONCENTRATE Au (mg) assay	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
0-1	1	Brown sand & silt	F			4.0			7.2					6.79	0.002				CASED ONLY
1-2	1	Brown sandy clay	S			3.0			5.9					7.94	0.001				Drilled, then cased.
2-3	1	Brown clayey sand	M			5.0			8.8					9.61	0.002				
3-4	1	Coarse sands & gravel	F			8.0			16.3					6.87	0.001				
4-5	1	" " "	F			13.0			21.8					7.65	0.001				
5-6	1	" " "	F			20.0			34.1					8.79	1.57				10 colours
6-7	1	Brown-ochre clayey sand	M			13.0			24.5					11.65	-				1 colour
7-8	1	Grey sand with coal fragments	M			12.0			24.3					8.34	0.012				
8-9		" " " "	M			9.0			17.1					11.98	-				

Bottomed / ~~Unbottomed~~ at 45.5 metres on Dolerite bedrock

Average field grade _____ g. per cu. m.

9469210

AUSTRALIAN ANGLO AMERICAN LIMITED

E. 158 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter _____ SHEET 2K

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g.) recovd.	Au (mg) visible gold	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
9-10	1	Grey sand with coal fragments	M			7.0			13.6					11.16	—				
10-11	1	" " " "	M			16.0			28.3					8.27	—				
11-12	1	" " " "	M			9.0			16.1					6.66	0.003				
12-13	1	" " " "	M			9.0			15.5					11.73	—				
13-14	1	" " " "	M			7.0			9.3					4.72	—				
14-15	1	" " " "	M			8.0			15.1					6.92	—				
15-16	1	" " " "	M			9.0			19.0					7.85	—				
16-17	1	" " " "	M			7.0			16.8					5.34	0.007				
17-18	1	" " " "	M			9.0			17.5					5.61	—				
18-19	1	" " " "	M			11.0			20.8					5.32	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9402-1

157

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recvd.	Au (mg) assay	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+ 10 mm	-10 m + 20 #	-20 #							
19-20	1	Grey sand with coal fragments	M			11.0			22.9					6.77	0.010				
20-21	1	" " " "	M			16.0			30.3					10.13	—				
21-22	1	" " " "	M			8.0			14.9					13.03	—				
22-23	1	" " " "	M			10.0			18.8					14.11	—				
23-24	1	" " " "	M			18.0			29.9					7.72	—				
24-25	1	" " " "	M			10.5			20.6					4.62	—				
25-26	1	" " " "	M			7.0			11.9					9.00	—				
26-27	1	" " " "	M			7.0			16.4					7.74	0.003				
27-28	1	" " " "	M			18.0			33.5					4.04	0.003				
28-29	1	" " " "	M			24.0			43.5					10.92	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

0220 0219

AUSTRALIAN ANGLO AMERICAN LIMITED

158 PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G2 Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/6

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec.(%)	(Kg.)	SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd	Au (mg) assay per assm.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
29-30	1	Grey sand with coal particles	M			25·0			33·6					6·70	—				
30-31	1	Grey clayey sand	S			10·0			14·5					7·31	—				
31-32	1	Grey clayey sand with coal fragments	M			17·0			28·1					9·67	—				
32-33	1	" " " "	M			11·0			20·5					8·43	—				
33-34	1	" " " "	M			26·0			44·0					15·66	0·010				
34-35	1	" " " "	M			10·0			21·1					15·02	—				
35-36	1	Grey gravelly sand with coal fragments	F			11·0			21·2					15·22	0·001				
36-37	1	Grey-green sandy clay with coal fragments	M			6·0			9·9					2·82	—				NOT CASED

Bottomed / Unbottomed at metres on bedrock

Average field grade g. per cu. m.

9402163

AUSTRALIAN ANGLO AMERICAN LIMITED

159

PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA.

Bore no.: G2 Commenced time: Date: Machine: Casing shoe diameter: SHEET 5/6

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000ths cu.m.)	cum (1000ths cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g) recovd.	40 (mesh) wt. (g)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+ 10 mm	- 10 m + 20 #	- 20 #							
37-38	1	Green sandy clay	M			7·0			12·0					13·05	—				
38-39	1	" " "	M			5·0			11·4					4·72	—				
39-40	1	" " "	M			6·0			8·3					3·05	—				
40-41	1	" " "	M			7·0			13·0					9·15	—				
41-42	1	" " "	M			6·0			15·1					2·34	—				
42-43	1	" " "	M			6·0			10·8					4·26	—				
43-44	1	Green sandy clay with gravel & ?dolerik chips	M			12·0			18·3					5·48	—				
44-45	1	Weathered green sandstone with pebbles of quartz & quartz porphyry.																	CORED

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9962.14

AUSTRALIAN ANGLO AMERICAN LIMITED

160 PROSPECT: EL 2280 AREA: SOUTH EAST STATE: TASMANIA

Bore no.: G2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 6/6

Off-set: _____ Completed time: _____ Date: _____ Foreman panner _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m)	cum. (1000ths cu.m.)	section vol. rec.(%)	(Kg.)	SANDS/GRAVELS			CLAY	actual wt.(g.) recovd.	Au (mg)	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
45-46	1	Weathered green sand-																	CORED
		stone; dolerite																	
		44-46							77.9					11.20					
		EOH Silts.							21.6					5.70					

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94923

161

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949216 SHEET 1/

PROJECT NUMBER. EL 22/80. AREA SOUTH ESK. STATE TASMANIA.

BORE NUMBER... G2..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	7·2		0·4	3·0	8·8
1-2	5·9		0·2	1·6	4·1
2-3	8·8		0·3	4·3	4·2
3-4	16·3		7·2	4·7	4·4
4-5	21·8		4·2	13·8	3·8
5-6	34·1	10 colours	20·3	12·5	1·9
6-7	24·5	1 colour	3·9	13·7	6·9
7-8	24·3		0·3	12·2	11·8
8-9	17·1		0·2	9·5	7·4
9-10	13·6		0·2	5·3	8·1
10-11	28·3		0·3	20·6	7·4
11-12	16·1		—	7·5	8·6
12-13	15·5		—	5·9	9·6
13-14	9·3		—	3·5	5·8
14-15	15·1		—	3·9	11·2
15-16	19·0		—	3·1	15·9
16-17	14·8		—	6·9	7·9
17-18	17·5		—	5·1	12·4
18-19	20·8		2·4	6·5	11·9
19-20	22·9		1·8	12·8	8·3
20-21	30·3		1·7	15·2	13·4
21-22	14·9		2·9	3·5	8·3
22-23	18·8		1·3	5·2	12·3
23-24	29·9		3·3	9·4	17·2
24-25	20·6		2·1	9·7	8·8
25-26	11·9		2·1	4·1	5·7
26-27	16·4		0·1	5·5	10·8

162

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949217

SHEET 21

PROJECT NUMBER. EL 22/80. AREA. ~~SOUTH ESK~~ STATE. TASMANIA.

BORE NUMBER...92..... RECORDED BY. A. JACKSON & P. McBRIDE.

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
27-28	33·5		0·3	22·9	10·3
28-29	43·5		0·6	19·3	23·4
29-30	32·6		0·5	30·4	27
30-31	14·5		0·3	9·8	4·4
31-32	28·1		0·6	6·2	21·3
32-33	20·5		0·6	5·1	14·9
33-34	44·0		0·4	16·7	26·9
34-35	21·1		0·8	6·1	14·2
35-36	21·2		0·7	5·4	15·1
36-37	9·9		0·1	3·0	6·8
37-38	12·0		0·1	2·6	9·3
38-39	11·4		0·6	3·9	6·9
39-40	8·3		0·2	2·0	6·1
40-41	13·0		0·5	3·2	9·3
41-42	15·7		0·8	5·4	9·5
42-43	10·8		0·3	3·5	7·0
43-44	18·3		1·7	8·6	8·0
44-46	77·9		1·7	19·6	56·6
EOH SILTS.	21·6		0·1	2·2	19·3

163

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: G3 Commenced time: 1.45PM Date: 7.5.81 Machine: GEMCO 210B Casing shoe diameter: External 9.2cm Internal 7.5cm SHEET 1/4

Off-set: 100m → 076° Completed time: 2.30PM Date: 11.5.81 Foreman panner: A. JACKSON Supervisor: B. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown sands & silt	F			8.0	8.0		18.2					8.60	—	—			Cased only.
1-2	1	Brown sand & gravel	F			4.0	12.0		10.9					6.61	—	—			Drilled then cased 1 colour
2-3	1	Brown sands	F			2.0	14.0		3.7					9.28	TR 0.029				
3-4	1	Coarse sands & gravels	F			15.0	29.0		30.4					6.36	—	—			
4-5	1	" " "	F			9.0	38.0		18.7					8.93	TR 0.030				
5-6	1	Gravels & rock chips	F			4.0	42.0		9.3					8.46	0.011 1.26				
6-7	1	" " "	F			5.0	47.0		11.3					9.83	0.204 20.7				1 colour
7-8	1	Grey clay with coal fragments	S			2.0	49.0		5.3					9.43	0.310 32.8				
8-9	1	" " " "	S			2.0	51.0		4.4					2.79	—	—			
9-10	1	" " " "	S			2.0	53.0		4.2					10.77	—	—			

Bottomed / ~~abandoned~~ at 34.0 metres on Dolerite. bedrock

Average field grade _____ g. per cu. m.

92346

AUSTRALIAN ANGLO AMERICAN LIMITED

164

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G3 Commenced time: Date: Machine: Casing shoe diameter: SHEET 2/4

Off-set: Completed time: Date: Foreman, panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20#	CLAY	actual wt. (g.) recovd.	AU (mg) assay per AU conc. (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
10-11	1	Grey clay with coal fragments	S			3·0	58·0		7·1					7·49	0·001 0·166				
11-12	1	" " " "	S			3·0	59·0		6·9					7·59	TR 0·095				
12-13	1	" " " "	S			1·0	60·0		5·2					11·05	TR 0·027				
13-14	1	Grey clayey sand with coal fragments	M			10·0	70·0		20·4					5·11	0·003 0·637				
14-16	2	" " " "	M			8·0	78·0		16·0					4·91	0·004 0·815				
16-17	1	" " " "	M			4·0	82·0		8·8					9·60	0·006 0·583				
17-18	1	" " " "	M			12·0	94·0		24·4					9·47	0·001 0·125				
18-19	1	Grey sandy clay with coal fragments	M			4·0	98·0		8·2					1·96	TR 0·128				
19-20	1	" " " "				6·0	104·0		11·7					15·78	0·001 0·081				

Bottomed / Unbottomed at metres on bedrock.

Average field grade g. per cu. m.

9463213

AUSTRALIAN ANGLO AMERICAN LIMITED

165

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: 93 Commenced time: Date: Machine: Casing shoe diameter: SHEET 3/4

Off-set: Completed time: Date: Foreman/panner: Supervisor:

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.) section	THEORETICAL VOL. (1000ths cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm.	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) record.	FIELD CONCENTRATE Au(mg) assay per Au(ppm) assay	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
20-21	1	Grey clayey sand with coal fragments & some quartz chips	M			5·0	109·0		9·2					15·46	TR 0·016				
21-22	1	Grey sand with quartz chips & gravel; some coal fragments	M			6·0	115·0		11·5					8·76	0·015 1·66				1 COLOUR
22-23	1	" " " "	M			5·0	120·0		11·2					13·88	TR 0·020				
23-24	1	Coarse sands with coal fragments	M			4·0	124·0		9·1					12·71	0·028 2·21				NOT CASED
24-25	1	" " " "	M			3·0	127·0		7·5					12·60	TR 0·21				
25-26	1	" " " "	M			3·0	130·0		9·2					7·09	0·003 0·431				
26-27	1	" " " "	M			3·0	133·0		8·0					16·50	TR 0·015				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

940220

166

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G3 Commenced time: Date: Machine: Casing shoe diameter: SHEET 4/4

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths. cu.m)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20#	CLAY	actual wt. (g) recovd.	Au (mg) per cu.m. Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
27-28	1	Grey sandy clay with coal fragments	M			4·0	157·0		9·4					3·45	- -				
28-29	1	" " " "	M			4·0	141·0		9·8					8·73	0·064 7·27				
29-30	1	" " " "	M			4·0	145·0		7·5					11·34	TR 0·046				
30-31	1	Grey-green sandy clay with coal fragments	M			4·0	149·0		8·3					8·75	0·002 0·280				
31-32	1	" " " "	M			3·0	152·0		7·1					7·87	0·016 2·03				
32-33	1	" " " "	M			5·0	157·0		7·3					13·89	TR 0·041				
33-34	1	Grey-green sandy clay	M			6·0	163·1		13·3					5·76	TR 0·104				
34-35	1·2	Dolerite																	Cored 1·2m. Recovered 1·1m
		EOH silts				24·0			38·2					17·96	0·015 0·816				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

94022

167

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949222

PROJECT NUMBER. EL 22/80 .. AREA South East ... STATE Tasmania ..

BORE NUMBER ... G3 ..... RECORDED BY. A. Jackson & P. McBride

SHEET 1/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	18·2	—	0·3	1·5	16·4
1-2	10·9 (1 coloure)	-	1·6	2·3	7·0
2-3	3·7	-	0·05	1·0	2·65
3-4	30·4	-	11·0	13·7	5·7
4-5	18·7	-	7·9	6·2	4·6
5-6	9·3	—	4·1	1·7	3·7
6-7	11·3 (1 coloure)	—	5·8	2·8	2·7
7-8	5·3	—	0·1	0·1	5·1
8-9	4·4	-	0·4	0·2	3·8
9-10	4·2	—	0·05	0·1	4·05
10-11	7·1	—	0·2	1·6	5·3
11-12	6·9	—	0·0	0·2	6·7
12-13	5·2	—	0·0	0·5	4·7
13-14	20·4	—	0·0	6·1	14·3
14-16	16·0	—	0·0	3·8	12·2
16-17	8·8	—	0·0	3·1	5·7
17-18	24·4	-	0·05	13·5	10·85
18-19	8·2	—	0·0	3·3	4·9
19-20	11·7	—	0·05	2·1	9·55
20-21	9·2	—	0·8	3·8	4·6
21-22	11·5 (1 coloure)	—	2·0	4·3	5·2
22-23	11·2	—	3·2	4·0	5·0
23-24	9·1	—	1·2	4·0	3·9
24-25	7·5	—	0·2	1·9	5·4
25-26	9·2	—	0·8	3·4	5·0
26-27	8·0	—	0·6	2·7	4·7
27-28	9·4	—	0·0	3·3	6·1

168

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949223

PROJECT NUMBER..EL 22/80.. AREA.SOUTH ESK.. STATE..TASMANIA..

BORE NUMBER....G3..... RECORDED BY.....

SHEET 2/2

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
28-29	9.8	—	0.2	3.9	5.7
29-30	7.5	—	0.1	3.0	4.4
30-31	8.3	—	0.0	3.3	5.0
31-32	7.1	—	0.05	1.9	5.15
32-33	7.3	—	0.2	2.0	5.1
33-34	13.3	—	0.8	3.7	8.8
EOH SILTS	38.2	—	2.6	17.6	18.0

169

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G4 Commenced time: 11.00 AM Date: 12.5.81 Machine: GEMCO 210 B Casing shoe diameter: Entered 9.3cm Inlemed 7.5cm.

Off-set: — Completed time: 5.30 PM Date: 14.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/3.

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.) section	THEORETICAL VOL (1000 ths. cu.m.) cum	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum. (1000 ths. cu.m.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd.	FIELD CONCENTRATE Au (mg) weight Au (ppm) assay	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
0-1	1	Brown sands & clays	F			14.0	14.0		20.7					11.42	—				Drilled with large diameter tricone & sandpipe inserted
1-2	1	Brown-ochre sandy clay	M			3.0	17.0		4.0					8.26	—				
2-3	1	Gravels with brown-ochre clay	F			0.5	17.5		0.7					1.22	—				
3-4	1	Coarse sands & gravels	F			8.0	25.5		7.5					9.18	—				
4-5	1	" " "	F			14.0	39.5		86.9					14.96	TR 0.054				
5-6	1	" " "	F			22.0	51.5		40.1					4.65	0.057 12.4				
6-7	1	Coarse Sands	F			13.0	64.5		26.5					5.92	—				
7-8	1	Grey clayey sand	M			10.0	74.5		20.0					13.22	TR 0.020				
8-9	1	" " "	I			12.0	86.5		25.3					2.70	—				

Bottomed / Unbottomed at 25.0 metres on SHALE bedrock

Average field grade _____ g. per cu. m.

940224

170

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G4 Commenced time: Date: Machine: Casing shoe diameter: SHEET 2/3

Off-set: Completed time: Date: Foreman panner: Supervisor:

Collar level:

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 lbs. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g.) recovd.	(kg/g) per cum.	metre-gram	cum. metre-gram	prog. wt.(g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
9-10	1	Grey clayey sand	M			17.0	103.5		30.7					1.80	0.008 4.47				
10-11	1	Grey sandy clay	M			8.0	111.5		17.5					1.30	- -				
11-12	1	" " "	M			6.0	117.5		15.9					12.58	- -				
12-13	1	" " "	M			6.0	123.5		14.0					8.76	- -				
13-14	1	" " "	M			9.0	132.5		20.7					0.76	- -				
14-15	1	" " "	M			6.0	138.5		12.8					1.57	- -				
15-16	1	" " "	M			7.0	145.5		17.2					16.30	- -				
16-17	1	" " "	M			10.0	155.5		19.2					1.40	- -				
17-18	1	" " "	M			2.5	158.0		5.0					13.56	- -				
18-19	1	" " "	M			2.0	160.0		3.1					12.96	- -				

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9402625

171

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: G4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 3/3

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.) section	THEORETICAL VOL. (1000ths cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20 #	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au (mg/kg) per cubic metre	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
19-20	1	Grey sandy clay	M			3.0	163.0		4.7					1.74	-				
20-21	1.5	" " "	M			12.0	175.0		21.2					2.53	-				
21.5-22	0.5	" " "	M			3.0	178.0		10.2					13.26	-				CORED. NO RECOVERY.
22-23	1	" " "	M			3.0	181.0		7.4					1.81	-				
23-24	1	" " "	M			6.0	187.0		11.9					2.41	TR 0.31g				
24-25	1	Grey sandy clay with some quartz & shale chips	M			4.0	191.0		NOT TAKEN					12.05	-				
25-26	1	Weathered shale with quartz veins & pyrite																	CORED. RECOVERED 1.0m.
		EOH SILTS 15-20m.				5.0	196.0		11.4					0.95	-				
														9.83	-				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

0226

172

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949227

PROJECT NUMBER. E.L. 22/80. AREA. South. Esk. STATE. Tasmania

BORE NUMBER. G4 RECORDED BY. A. Jackson & P. McBride

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	20·7	—	0·3	1·4	19·0
1-2	4·0	—	>0·05	0·1	3·9
2-3	0·7	—	>0·05	>0·05	0·7
3-4	7·5	—	3·5	2·8	1·2
4 5	26·9	—	8·4	8·5	10·0
5-6	40·1	—	5·8	21·4	12·9
6-7	26·5	—	1·1	10·3	15·1
7-8	20·0	—	0·2	5·6	14·2
8-9	25·3	—	0·6	13·0	11·7
9-10	30·7	—	0·0	7·9	22·8
10-11	17·5	—	0·9	4·7	11·9
11-12	15·9	—	0·05	0·9	14·95
12-13	14·0	—	0·0	0·4	13·6
13-14	20·7	—	0·0	2·6	18·1
14-15	12·8	—	>0·05	4·7	8·1
15-16	17·2	—	0·9	3·1	13·2
16-17	19·2	—	0·0	5·9	13·3
17-18	5·0	—	0·3	0·9	3·8
18-19	3·1	—	0·05	0·3	2·75
19-20	4·7	—	0·0	1·4	3·3
20-21·5	21·2	—	1·0	5·1	15·1
21·5-22·0	10·2	—	0·9	1·3	8·0
22-23	7·4	—	0·0	1·3	6·1
23-24	11·9	—	0·0	2·9	9·0
24-25		—	0·1	3·3	
EOH Silts	11·4	—	0·1	3·0	8·3
15-20 (Ream Out)	4·1	—	0·2	0·8	3·1

AUSTRALIAN ANGLO AMERICAN LIMITED

173 PROSPECT: EL22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: H1 Commenced time: 12.00PM Date: 15.5.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.3 cm Internal 7.5 cm.

Off-set: — Completed time: 10.00AM Date: 21.5.81 Foreman panner: A. JACKSON Supervisor: J. DOUGLAS

Collar level: SHEET 1/2

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au (mg) / Au (ppm) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Ochre clayey sands	F			7.0	7.0		14.4					18.06	0.380 / 25.1				cased only. 1 COLOUR.
1-2	1	Coarse sands & gravel	F			8.0	15.0		15.3					4.92	0.685 / 129				Drilled then cased 4 COLOURS
2-3	1	Brown-ochre sandy clay	M			8.0	23.0		15.4					11.01	0.001 / 0.110				
3-4	1	Brown clayey sand	M			11.0	34.0		17.1					14.90	TR / 0.037				Probably weathered dolerite
4-5	1	" " "	M			5.0	39.0		12.9					13.32	TR / 0.033				
5-6	1	" " "	M			4.0	43.0		9.7					2.43	— / —				
6-7	1	" " "	M			10.0	53.0		19.5					6.16	— / —				
7-8	1	" " "	M			8.0	61.0		14.8					15.13	— / —				
8-9	1	" " "	M			7.0	68.0		14.7					15.52	— / —				
9-10	1	Grey rock chips & clay	M			7.0	75.0		14.0					3.06	— / —				

Bottomed / Unbottomed at 10.0 metres on Dolerite bedrock.

Average field grade _____ g. per cu. m.

9402 93

AUSTRALIAN ANGLO AMERICAN LIMITED

174

PROSPECT: EL 22/80 AREA: SOUTHESK STATE: TASMANIA.

Bore no.: H 1 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 6/2

Off-set: _____ Completed time: _____ Date: _____ Foreman panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths. cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd.	Au (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
10-11.5	1.5	Dolerite.																	CORED. RECOVERED 1.2m.
		EOH Silts				5.0	80.0		11.0					12.69	—				2 colours.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9469229

175

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949230

PROJECT NUMBER. EL 22/80 AREA SOUTH ESK. STATE. TASMANIA.

BORE NUMBER. H.1..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	16·4	1 COLOUR	1·0	5·2	8·2
1-2	15·3	4 COLOURS	2·8	4·1	8·4
2-3	15·4	—	1·6	4·2	9·6
3-4	17·1	—	1·0	3·4	12·7
4·5	12·9	—	0·4	3·2	9·3
5-6	9·7	—	0·5	2·3	6·9
6-7	19·5	—	1·8	7·1	10·6
7-8	14·8	—	1·2	5·0	8·6
8-9	14·7	—	1·8	3·7	9·2
9-10	14·0	—	2·2	4·5	7·3
EOH SILTS	11·0	2 COLOURS	0·1	1·0	9·9

AUSTRALIAN ANGLO AMERICAN LIMITED

176

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: H2 Commenced time: 12.00PM Date: 21.5.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.3cm Internal 7.5cm SHEET 1/2

Off-set: — Completed time: 5.00PM Date: 22.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS			CLAY	actual wt. (g) recovd.	Au (mg) per Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
0-1	1	Brown sand & silt	F			8.0	8.0		17.8					12.23	0.002 0.182				CASED ONLY
1-2	1	Brown sandy clay	M			8.0	16.0		16.4					11.16	—				Drilled then cased.
2-3	1	Brown clayey sand	M			10.0	26.0		19.2		-			3.87	—				
3-4	1	Gravel & rock chips	F			4.0	30.0		8.0					4.37	—				Water (& sample) loss through gravels.
4-5	1	Coarse sand & gravel	F			8.0	38.0		17.9					17.68	0.004 0.204				
5-6	1	" " "	F			4.0	42.0		8.6					3.86	—				
6-7	1	Gravel; grey green clayey sand	M			11.0	53.0		20.6					4.52	—				
7-8	1	Grey green clayey sand	M			15.0	68.0		25.9					4.03	—				
8-9	1	Grey sand & rock chips	M			9.0	77.0		18.3					10.06	—				
9-10	1	Dolerite boulders?) in																	Cored

Bottomed / Unbottomed at 10.0 metres on Shale bedrock

Average field grade _____ g. per cu. m.

94623

177

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: H2 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter: _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt.(g) record.	Au (mg missing) per cum. Au(gpm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
9-10 (cont)		altered green shale																	
		EOH Silts				850	850		15.9					1.10	—				

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

9492332

178

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949233

PROJECT NUMBER. EL 22/80 .. AREA. SOUTH ESK ... STATE. TASMANIA ...

BORE NUMBER. ... H2 ..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	17·8	-	0·2	3·1	14·5
1-2	16·4	—	0·2	4·9	11·3
2-3	19·2	—	0·7	8·3	10·2
3-4	8·0	—	2·0	1·1	4·9
4-5	17·9	—	6·0	5·8	6·1
5-6	8·6	—	2·5	1·1	5·0
6-7	20·6	—	2·9	6·6	11·1
7-8	25·9	—	1·5	10·0	14·4
8-9	18·3	—	1·4	3·0	13·9
EOH SILTS	15·9	—	0·5	2·6	12·8

179

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: H3 Commenced time: 10.30AM Date: 23.5.81 Machine: GEMCO 210B Casing shoe diameter: External 9.3cm Internal 7.5cm

Off-set: — Completed time: 4.00PM Date: 23.5.81 Foreman panner: A JACKSON Supervisor: S. DOUGLAS SHEET 1/1

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000ths cu.m.) section	THEORETICAL VOL. (1000ths cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg)	WT(%) SANDS/GRAVELS +10 mm.	WT(%) SANDS/GRAVELS -10 m +20 #	WT(%) SANDS/GRAVELS -20#	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) recovd.	FIELD CONCENTRATE Au (mg) per Au(ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sand & silt	F			9.0	9.0		15.6					3.11	0.022 7.09				CASED ONLY. 1 colour
1-2	1	Coarse sands	F			7.0	16.0		14.9					12.62	0.009 0.754				Drilled then cased. 1 colour
2-3	1	" "	F			7.0	23.0		11.9					13.32	— —				
3-4	1	Coarse sand & gravel	F			2.5	25.5		6.8					12.85	— —				
4-5	1	" " "	F			4.0	29.5		10.0					11.24	— —				
5-6	1	" " "	F			6.0	35.5		10.2					2.56	0.004 1.44				
6-7	1	Grey-ochre sandy clay	M			9.0	44.5		18.1					3.30	— —				
7-8	1	Weathered grey shale																	CORED 1.0m. Recovered 0.8m
		EOH Silt				8.0	32.5		11.5					9.23	— —				

Bottomed / ~~Abandoned~~ at 7.0 metres on Shale. bedrock

Average field grade _____ g. per cu. m.

94 0226

160

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949235

PROJECT NUMBER. EL 22/80 AREA. SOUTH ESK. STATE TASMANIA.

BORE NUMBER. H3 RECORDED BY. A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	15·6 1 colour	—	0·4	4·9	10·3
1-2	14·9 1 colour	—	3·0	6·6	5·3
2-3	11·9	—	2·9	4·6	4·4
3-4	6·8	—	0·7	1·4	4·7
4-5	10·0	—	2·0	2·5	5·5
5-6	10·2	—	4·2	2·6	3·1
6-7	18·1	—	1·3	4·1	12·7
EOH SILTS	11·5	—	0·8	2·2	8·5

AUSTRALIAN ANGLO AMERICAN LIMITED

181

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: I 3 Commenced time: 8.00AM Date: 24.5.81 Machine: GEMCO 2108 Casing shoe diameter: External 7.3cm Internal 7.5 cm

Off-set: — Completed time: 1.30PM Date: 24.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000ths. cu.m.)	cum. (1000ths cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20#	CLAY	actual wt (g) recovd.	Au grains (no.) per assay Au (gram)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown sands & silt	F			7.0	7.0		11.3					1.66	—				CASED only
1-2	1	Brown-ochre sandy clay	M			6.0	13.0		11.2					1.57	—				Drilled then cased.
2-3	1	" " " "	M			6.0	19.0		14.7					1.96	TR 0.147				
3-4	1	Stiff ochre clays; minor gravels; brown clays	S			6.0	25.0		21.3					14.17	0.004 0.284				1 colour
4-5	1	Brown-ochre clayey sands	M			11.0	36.0		19.2					11.88	0.002 0.162				
5-6	1	Grey-green clayey sand	M			7.0	43.0		17.7					1.30	—				.
6-7.5	1	Grey shales.																	CORED 1.5m. Recovered 1.4m
		EOH silts				7.0	50.0		14.0					4.21	—				1 colour.

Bottomed / Unbottomed at 6 metres on Mathinna Shales bedrock

Average field grade _____ g. per cu. m.

9409236

182

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949237

PROJECT NUMBER. EL 22/80. AREA. SOUTH ESK. STATE. TASMANIA...

BORE NUMBER... I3..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	11·3	—	0·0	0·6	10·7
1-2	11·2	—	0·1	2·1	9·0
2-3	14·7	—	0·0	6·2	8·5
3-4	21·3 1 colour	—	0·3	5·4	15·6
4-5	19·2	—	0·2	5·0	14·0
5-6	17·7	—	0·0	7·1	10·
EOH SILTS	14·0 1 colour	—	0·2	2·1	11·7

183

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: IA Commenced time: 2·00PM Date: 24·5·81 Machine: GEMCO 2103 Casing shoe diameter: Internal 7·5cm Extend 9·3cm

Off-set: 150m ⇒ 250° Completed time: 5.00PM Date: 25·5·81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/2

Collar level: _____

DEPTH (m.)	THICKNESS (m.)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 ths. cu.m.) section	THEORETICAL VOL. (1000 ths. cu.m.) cum.	ACTUAL VOLUME section (1000 ths. cu.m.)	ACTUAL VOLUME cum. (1000 ths. cum.)	ACTUAL VOLUME section vol. rec. (%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm.	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd.	FIELD CONCENTRATE Au (mg) per cu. m. Au (ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
0-1	1	Brown-ochre clayey sands; gravels	M			10.0	10.0		23.2					14.86	0.015 1.01				CASED ONLY
1-2	1	Coarse sands & gravels	F			11.0	21.0		24.1					11.43	TR 0.071				Drilled then cased
2-3	1	" " "	F			15.0	36.0		25.9					11.87	0.004 0.310				
3-4	1	" " "	F			13.0	49.0		28.5					4.91	0.980 199				5 colours
4-5	1	" " "	F			13.0	62.0		24.9					26.47	— —				
5-6	1	Grey-ochre clayey sands	M			8.0	70.0		15.9					4.43	— —				
6-7	1	" " "	M			7.0	77.0		18.5					11.20	0.006 0.504				
7-8	1	Grey clayey sand with coal fragments	M			8.0	85.0		16.1					15.31	0.002 0.193				
8-9	1	" " "	M			14.0	99.0		26.8					18.54	0.115 6.20				

Bottomed / ~~Unbottomed~~ at 11.0 metres on Conglomeratic bedrock

Average field grade _____ g. per cu. m.

9402223

184

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: South ESK STATE: TASMANIA

Bore no.: I 4 Commenced time: _____ Date: _____ Machine: _____ Casing shoe diameter _____ SHEET 2/2

Off-set: _____ Completed time: _____ Date: _____ Foreman, panner: _____ Supervisor: _____

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL. (1000 tns. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 tns. cu.m.)	cum. (1000 tns. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) recovd.	Au mg/cu.m. (mg per cu.m.) Au (ppm)	metre-gram	cum. metre-gram	prog. wt.(g) per cu.m.	
										+10 mm	-10 m +20 #	-20 #							
9-10	1	Grey clayey sand	M			16·0	115·0		26·7					5·15	0·001 0·206				
10-11	1	" " "	M			14·0	129·0		26·5					10·26	0·001 0·098				
11-12	1	Pebble conglomerate																	CORED 2·0m.
		in gravel & sand																	Recovered 1.06m.
		matrix - semi																	
		consolidated																	
12-13	1	" " "																	
		EDIT SILTS				18·0	147·0		30·6					13·34	0·032 2·39				1 colour

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

9763

185

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

949240

PROJECT NUMBER. EL22/80 AREA. SOUTH ESK. STATE TASMANIA.

BORE NUMBER... T4..... RECORDED BY A JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	23·2	—	6·1	4·1	13·0
1-2	24·1	—	5·0	8·7	10·4
2-3	25·9	—	7·1	10·8	8·0
3-4	28·5	—	6·0	13·1	9·4
4-5	24·9	—	4·7	11·0	9·2
5-6	15·9	—	0·0	9·9	6·0
6-7	18·5	—	0·0	8·0	10·5
7-8	16·1	—	0·0	4·2	11·9
8-9	26·8	—	0·4	11·4	15·0
9-10	24·7	—	1·1	9·2	14·4
10-11	26·5	—	3·4	13·9	9·2
EOH Silts	30·6	—	0·5	6·4	13·7

AUSTRALIAN ANGLO AMERICAN LIMITED

186 PROSPECT: EL 22/80 AREA: South Esk STATE: TASMANIA

Bore no.: I5 Commenced time: 4.30pm Date: 27.5.81 Machine: Gemco 210 Casing shoe diameter: External 9.3cm Internal 7.5cm SHEET 1/1

Off-set: 300→250° From I6 Completed time: 12.00 pm Date: 28.5.81 Foreman panner: A Jackson Supervisor: S. Douglas

Collar level: _____

DEPTH (m.)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu.m.) section	THEORETICAL VOL (1000ths cu.m.) cum	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum (1000ths cu.m.)	ACTUAL VOLUME section vol rec.(%)	WT OF MATERIALS (Kg.)	WT.(%) SANDS/GRAVELS +10 mm	WT.(%) SANDS/GRAVELS -10 m +20 #	WT.(%) SANDS/GRAVELS -20#	WT.(%) CLAY	FIELD CONCENTRATE actual wt.(g) recovd.	FIELD CONCENTRATE Au(mg) per Au(ppm)	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
0-1	1	Brown sand, ochre sandy clay	M			11.0	11.0		18.0					11.12	0.043 3.86				CASED ONLY. 1 colour
																			Drilled then Cased.
1-2	1	Ochre sandy clay	M			8.0	19.0		15.1					11.58	0.001 0.118				
2-3	1	Ochre sands & gravels	F			14.0	33.0		28.2					7.68	0.395 51.5				1 colour
3-4	1	Coarse sands & gravels	F			13.0	46.0		25.5					14.93	0.048 3.22				
4-5	1	Ochre sandy clay	M			6.0	52.0		11.8					11.63	0.012 1.10				
5-6	1	Ochre sandstone & grey shale																	Cored 1.0m. Recovered 0.3m.
		EOH Silts				5.0	57.0		9.9					4.67	TR 0.053				

Bottomed / ~~Abandoned~~ at 5.0 metres on Mathinna Shale bedrock

Average field grade _____ g. per cu. m.

9492411

187

949242

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80 .. AREA. SOUTH ESK. STATE. TASMANIA..

BORE NUMBER.. I 5 ..... RECORDED BY A JACKSON & P MCBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	18·0 1 GLOVE	—	1·5	7·5	9·0
1-2	15·1	—	2·4	5·0	7·7
2-3	28·2 1 GLOVE	—	7·0	11·6	9·6
3-4	25·5	—	3·4	10·0	12·1
4-5	11·8	—	0·2	4·0	7·6
EOH SILTS	9·9	—	0·4	3·1	6·4

188

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: I 6 Commenced time: 10.00 AM Date: 26.5.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.3cm Internal 7.5cm

Off-set: — Completed time: 11.00 AM Date: 27.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: SHEET 1/1

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.) section	THEORETICAL VOL (1000 lbs. cu.m.) cum.	ACTUAL VOLUME section (1000ths cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	ACTUAL VOLUME section vol. rec.(%)	WT OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	WT (%) SANDS/GRAVELS -10 m +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) recovd.	FIELD CONCENTRATE Au assay (mg per) / Assay ppm	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
0-1	1	Ochre clays	M			11.0	11.0		19.4					1.97	—				CASED ONLY
1-2	1	" "	M			13.0	24.0		20.2					13.06	0.006 / 0.49				Drilled, then cased
2-3	1	Ochre sandy clays	M			9.5	33.5		17.1					1.30	—				
3-4	1	" " "	M			10.0	43.5		13.7					14.04	TR 0.019				
4-5	1	" " "	M			10.0	53.5		19.6					8.88	TR 0.065				
5-6	1	" " "	M			15.0	68.5		24.0					13.69	—				Probably weathered sandstone
6-7	1	" " "	M			8.0	76.5		14.1					11.37	—				
7-8	1	" " "	M			9.0	85.5		16.2					13.07	—				
8-9	1	" " "	M			5.0	90.5		11.5					3.99	—				
9-10	1	Ochre sandstone with quartz veins																	CORED. Recovered 1.0m.
		EOH SILTS				8.0	98.5		16.5					3.45	—				

Bottomed / ~~Undetermined~~ at 9.0 metres on Mathinna bedrock Sandstone

Average field grade _____ g. per cu. m.

C94023

189

949244

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80. AREA SOUTH ESK. STATE TASMANIA.

BORE NUMBER... I6..... RECORDED BY A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	19·4	—	0·2	6·5	12·7
1-2	20·2	—	0·3	6·0	13·9
2-3	17·1	—	0·0	3·3	13·8
3-4	13·7	—	0·0	0·9	12·8
4-5	19·6	—	0·0	0.9	18·7
5-6	24·0	—	0·0	2·5	21·5
6-7	14·1	—	0·0	2·5	11·6
7-8	16·2	—	0·0	3·1	13·1
8-9	11·5	—	0·0	2·9	8·6
EOH SILTS	16·5	—	0·05	1·3	15·15

AUSTRALIAN ANGLO AMERICAN LIMITED

190

PROSPECT: EL 22/80 AREA: SOUTH ESK STATE: TASMANIA

Bore no.: J5 Commenced time: 2.30PM Date: 28.5.81 Machine: GEMCO 210B Casing shoe diameter: External 9.3cm Internal 7.5cm

Off-set: 25m → Completed time: 11.00AM Date: 29.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS SHEET 1/1

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 ths. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 ths. cu.m.)	cum. (1000 ths. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) recovd	Au assay (mg) Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
0-1	1	Brown sand; ochre sandy clays	M			6.0	6.0		14.0					11.36	- -				Cased only.
1-2	1	Ochre sandy clays	S			10.0	16.0		18.1					5.53	- -				Drilled then cased
2-3	1	" " "	S			7.0	23.0		16.2					8.88	- -				
3-4	1	Ochre sandy clays; dolerite chips	M			5.0	28.0		11.1					4.99	- -				
4-4.5	0.5	Dolerite & clays																	CORED 0.4m. Recovered 0.3. Difficult to core
		EOH Silts				6.0	34.0		13.8					12.37	- -				

Bottomed / ~~Unbottomed~~ at 4.0 metres on dolerite bedrock

Average field grade _____ g. per cu. m.

94945

191

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/80 AREA. SOUTH ESK STATE. TASMANIA

BORE NUMBER. JS RECORDED BY. A. JACKSON & P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	14.0	—	0.1	3.6	11.3
1-2	18.1	—	0.0	3.9	14.2
2-3	16.2	—	0.1	3.3	12.8
3-4	11.1	—	0.8	4.5	5.8
EOH Silty	13.8	—	1.1	1.9	10.8

AUSTRALIAN ANGLO AMERICAN LIMITED

192 PROSPECT: EL 22/80 AREA: South Esk STATE: Tasmania

Bore no.: J6 Commenced time: 11.30 AM Date: 29.5.81 Machine: GEMCO 2108 Casing shoe diameter: External 9.3 Internal 7.5

Off-set: — Completed time: 2.45 PM Date: 29.5.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		ACTUAL VOLUME			WT OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec. (%)		SANDS/GRAVELS +10 mm.	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g) recovd.	Au assay (mg) per cum Au (ppm)	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown sands; ochre clays	S			3.0	3.0		6.0					4.13	—				Cored only
1-2	1	brown-ochre clays	S			5.0	8.0		8.6					12.94	—				Drilled then cored.
2-3	1	brown-ochre clays; rock chips	S			4.0	12.0		9.2					9.44	—				
3-4	1	Brown sands & rockchips	M			7.0	19.0		13.0					9.44	—				
4-5	1	" " " "	M			8.0	27.0		14.8					4.95	—				
5-5.7	0.7	Dolerite																	Cored
		EOH silts				3.0	30.0		6.3					17.55	—				

Bottomed / Unbottomed at 5.0 metres on dolerite bedrock

Average field grade _____ g. per cu. m.

9402/4

193

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD. 949248

PROJECT NUMBER. EL22/80.. AREA. SOUTH ESK.. STATE. TASMANIA...

BORE NUMBER...J.6..... RECORDED BY A. JACKSON. S. P. McBRIDE

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		+10mm (Kg)	-10mm +20# (Kg)	-20# (Kg)	
0-1	6·0	-	0.0	1·6	4·4
1-2	8·6	-	0·2	1·8	6·6
2-3	9·2	-	1·3	4·0	3·9
3-4	13·0	-	3·8	3·4	5·8
4-5	14·8	-	4·9	5·3	4·6
EOH SILTS	6·3	-	0·2	0·6	5·5

194 81-1578 (6)

949249

Mr A.O. | O.G. | E.O. | D.S.M.E
26 AUG 1981
REF. No. 7356/8

aac

PROJECT NAME:

EXPLORATION LICENCE 22/80 TASMANIA

TITLE:

APPENDIX IV

LABORATORY RESULT SHEETS

Volume 6 of 6

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

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S:

DATE:

OPEN FILE

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

949250

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Code No. 62 01 11932
Rack No.
Page No. 3
Order No.

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.			(Wt. gms)		Au (ppm)		(Au (ppb))		
1		0	10	40.1						
2		10	20	30.2		x		mid		
3		20	30	32.8						
4		30	40	45.1						
5		40	50	33.4		x		mid		
6		50	60	26.3						
7		60	70	31.4		4.54		0.252		
8		70	80	25.9						
9		80	90	36.7		4.28		0.553		
10		90	100	28.3						
11		100	110	45.0						
12		110	120	31.3		0.305		0.056		
13		120	130	38.5						
14		130	140	40.4						
15		140	150	40.3						
16		150	160	32.0		0.592		0.050		
17		160	170	43.0						
18		170	180	33.2		2.45		0.152		
19		180	185	28.7						
20		185	190	28.8		21.42		0.617		
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 23/4/81

Results in ppm [illegible] s otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
I = element not determined

949251

196

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Code No. 6.2 CI 1693.
Rack No.
Page No. 4
Order No. 6710 - 11

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.			WEIGHT GMS		Au (ppm)	Au (ppb)	
1	SE/A2	SECT 0.0	- 1.0	72.6		4.35	0.013	
2		1.0	- 2.0	50.6		5.00	0.553	
3		2.0	- 3.03	68.9		6.62	0.34	
4		3.03	- 4.0	69.9		5.69	0.315	
5		4.0	- 5.0	31.9		1.95	0.051	
6		5.0	- 6.0	62.2				
7		6.0	- 7.0	31.6		0.654	0.100	
8		7.0	- 8.0	36.6				
9		8.0	- 8.5	24.5				
10		8.5	- 9.5	70.3				
11		9.5	- 10.5	96				
12		10.5	- 11.5	49.2		1.157	0.154	
13		11.5	- 12.5	21.0				
14		12.5	- 13.5	47.4				
15		13.5	- 14.5	37.6				
16		14.5	- 15.5	25.6		2.40	0.346	
17		15.5	- 16.5	34.5				
18		16.5	- 17.4	38.1				
19		0.0	- 17.9	19.3		0.30	0.118	
20								
21								
22								
23								
24								
25								
Detection								
Standard								
Digestion								
Method								

RESPONSIBLE OFFICER 23.12.87

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

197

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Code No. 62.01.16932
Rack No.
Page No. 2
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (ppm)	Lot Weight (g)	Au(ppm)
1	B1 Con Fan		0-32			8.50	0.21	0.002
2	B2		0-7			5.84	3.98	0.023
3			7-8			166.00	4.14	0.820
4			8-10			0.261	3.34	0.001
5			10-14			0.143	5.31	0.001
6			14-21			0.162	2.22	0.001
7			21-27			0.344	1.48	0.001
8			0-27			8.16	0.248	0.002
9			0-6	-75µ		14.42	0.05	0.001
10				-150µ + 75µ		55.56	0.02	0.011
11				-300µ + 150µ		27.73	0.02	0.001
12				-600µ + 300µ		44.12	0.02	0.001
13				+600µ		125.00	0.01	0.001
14	SE/A3		0-0.5	-80# +105#		6.28	0.20	0.001
15			0-5.0	+20#		12.82	0.12	0.002
16	SE/B4		2.9-5.6	+600#		71.43	0.03	0.002
17	A3		4-5			6.20	0.24	0.002
18	A3 Fan	SLTS	0.0-22.0			7.94	0.25	0.002
19								
20								
21								
22								
23								
24								
25								
Detection								
Standard								
Digestion								
Method								

RESPONSIBLE OF ASSAYER

T = element present; but concentration too low to m[illegible]
X = element concentration is below detection limit
– = element not determined

198

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 16932

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6708-11 Date Received 19.2.81
Reference 6714-17 Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
											Au			

(3) Number of pages of results: 2
Date Reported: 16-4-81
Results to: (1) as above (2)
Per: W Lee
Number of Copies: 3

(4) Remarks:

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	acid acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ms	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
other	WA	HF under pressure	A7	fused powder (XRF)	FP	other chemicals means	CHEM
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	miscellaneous	MISC
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	fluorescence	FLUR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

199

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Phone SUVA 361512

Code No. 6.2.01 16932
Rack No.
Page No. 1
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.		Au (ppm)	Wt Assayed (g)	Au (mg)
1	A1	1-4	X	1.09	-
2		4-6	X	0.45	-
3		6-7	4.54	0.22	0.001
4		7-10	4.28	0.35	0.002
5		10-14	0.305	6.55	0.002
6		14-17	0.597	1.68	0.001
7		17-18.5	2.45	1.02	0.003
8		0-19	21.42	0.07	0.002
9	A2	0-1	4.35	0.23	0.001
10		1-2	5.00	0.25	0.001
11		2-3.03	6.62	2.29	0.015
12		3.03-4	5.69	2.24	0.013
13		4-5	1.95	1.08	0.002
14		5-8.5	0.654	2.32	0.002
15		8.5-13.5	1.157	2.16	0.003
16		13.5-17.4	2.40	1.25	0.003
17		0-17.9	6.30	0.44	0.003
18	B1 Cou	0-1	9.16	0.27	0.002
19		1-5	5.62	2.96	0.017
20		5-6	2.29	0.44	0.001
21		6-11	0.79	1.59	0.001
22		11-13	1.62	0.77	0.001
23		13-16	194.97	1.59	0.310
24		16-26	0.29	4.37	0.001
25		26-32	0.17	2.38	0.001
Detection					
Standard					
Digestion					

RESPONSIBLE OFFICER

- = element not determined
- = concentration is below detection limit
- = present; but concentration too low to measure

200

949255

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Code No. 62·01·16933
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (ppm)		WT Assayed (g)		Au (g)
1	SE/A3	0-0.5	-20*+40*			1·72		0·44		0.001
2		0-0.5	-40+80*			1·68		0·75		0.001
3		0-0.5	-200*+300*			NIL		NIL		-
4		0-0.5	-105*+140*			NIL		NIL		-
5		0-0.5	-300*			50·00		0·02		0.001
6		0-0.5	-140*+200*			4·17		0·18		0.001
7	A36 RM	0-1				1·59		1·10		0.002
8		1-3				11·52		3·19		0.037
9		3-4				1·60		0·63		0.001
10		5-7				3·37		1·04		0.004
11		7-10				3·14		1·75		0.006
12		10-15				0·56		2·66		0.002
13		15-22				8·33		5·60		0.047
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Detection

Standard

Digestion

RESPONSIBLE OFFICER 16/4/87

In ppm unless otherwise specified
[redacted] present; but concentration too low to measure
element concentration is below detection limit
element not determined

949256

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Code No. 62 01 16932
Rack No.
Page No. 5
Order No. 6714 - 15

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.			WEIGHT GMS	Au (ppm/ppm)	Sample Number			WEIGHT GMS	
1	SE/BI/Sec	0.0	1.0	36.9	9.14/2.358	SE/BI Sec	25.0	26.0	16.5	
2		1.0	2.0	30.5			26.0	27.0	6.6	
3		2.0	3.0	34.2			27.0	28.0	32.7	
4		3.0	4.0	30.5	5.62/0.645		28.0	29.0	74.4	0.43/0.0
5		4.0	5.0	19.5			29.0	30.0	17.3	
6		5.0	6.0	36.4	2.27/0.083		30.0	31.0	24.2	
7		6.0	7.0	21.7			31.0	32.0	26.4	
8		7.0	8.0	34.4	0.79/0.00		10.0	32.0	18.5	8.5/0.15
9		8.0	9.0	33.5						
10		9.0	10.0	19.2						
11		10.0	11.0	17.2						
12		11.0	12.0	18.0	1.62/0.060					
13		12.0	13.0	19.3						
14		13.0	14.0	21.3						
15		14.0	15.0	22.6	14.97/14.603					
16		15.0	16.0	30.5						
17		16.0	17.0	25.8						
18		17.0	18.0	30.8						
19		18.0	19.0	10.1	0.29/0.071					
20		19.0	20.0	7.0						
21		20.0	21.0	24.0						
22		21.0	22.0	66.0						
23		22.0	23.0	14.9			0			
24		23.0	24.0	20.4						
25		24.0	25.0	30.6						
Detection										
Standard										
Digestion										

RESPONSIBLE OFFICER .....

Results in ppm ... other ... spe...

T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

949257

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Code No. 6201 16932
Rack No.
Page No. 6
Order No. 6716 - 17

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.			WEIGHT GMS	Au ppm/ppb	SAMPLE	NUMBER		WEIGHT GMS	
1	SE/82/SAC	00	10	607		SE/82/	SAC 250	260	264	
2		10	20	537			260	270	485	
3		20	30	437			00	270	339	8.14/6.2
4		30	40	500	5.84/2.015					
5		40	50	381						
6		50	60	504						
7		60	70	485						
8		70	80	498	166.00/8.267					
9		80	90	471	0.261/0.022					
10		90	100	362						
11		100	110	302						
12		110	120	311	0.163/0.017					
13		120	130	224						
14		130	140	390						
15		140	150	435						
16		150	160	313						
17		160	170	323	0.162/0.211					
18		170	180	251						
19		180	190	271						
20		190	200	271						
21		200	210	248						
22		210	220	366						
23		220	230	369	0.344/0.076					
24		230	240	451						
25		240	250	221						
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 31.4.89

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 16671

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6706 — Date Received 4.2.81
Reference — Results Required
Delivered by — Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Lower Limit of Detection (%)
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														

(3) Number of pages of results: 1

Date Reported: 16-4-81

Results to: (1) W Lee — (2)

as above

Number of Copies: 3

(4) Remarks:

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF evap.	A6	ignition	IG	titration	TITR
water	WA					other (specify)	
stream sediment	SS						
heavy mineral	HM						

204

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Code No. 62.01 16671
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au (ppm)	Wt Assayed (g)	Au (mg)
1	SE/B4	0-1.4	+600µ	(+25# 6M)	0.30	1.66	0.001
2		1.4-2.4	+600µ		48.67	7.91	0.385
3		2.4-3.9	+600µ		1.50	1.01	0.002
4	SE/A5	0.7-1.7	-35+72		0.10	17.94	0.002
5		0.0-1.0	-72+120		0.26	18.04	0.005
6		0.7-1.7	+35		0.183	15.00	0.003
7							
8	SE/B4	3.9-5.6					
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

RESPONSIBLE OFFICER .....

Remarks

Detection

Standard

...ther ...ecif... present; but concentration too low to measure concentration is below detection limit. not determined

205 949260

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ASSAY RESULT SHEET

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 16933

Client: Australian Anglo American Ltd

581 Little Collins Street

MELBOURNE VIC 3000

Order No. 6712-13 Date Received 19.2.81

Reference Results Required

Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
											Au			

(2) Number of pages of results: 1

Date Reported: 16-4-81

Results to: (1) W Lee (2)

as above

Number of Copies: 3

(3) Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cuttings	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
rock	RO	aqua regia	A4	alkaline attack	AA	colorimetry	COL
						chromatography	CHR

206

949261

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Code No. 62-01-16932
Rack No.
Page No. 2
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (ppm)		Wt Assayed (g)		Au(ppm)
1	B1 Con Fon		0-32			8·50		0·21		0.002
2	B2		0-7			5·84		3·98		0.023
3			7-8			166·00		4·94		0.820
4			8-10			0·261		3·84		0.001
5			10-14			0·143		5·31		0.001
6			14-21			0·162		3·22		0.001
7			21-27			0·344		1·48		0.001
8			0-27			8·16		0·248		0.002
9			0-6	-75μ		14·42		0·05		0.001
10				-150μ + 75μ		55·56		0·02		0.001
11				-300μ + 150μ		27·78		0·02		0.001
12				-600μ + 300μ		44·12		0·02		0.001
13				+600μ		125·00		0·01		0.001
14	SE/A3		0-0·5	-80# +105#		6·28		0·20		0.001
15			0-5·0	+20#		12·82	*	0·12		0.002
16	SE/B4		3·9-5·6	+600#		71·43		0·03		0.002
17	A3		4-5			6·20		0·24		0.002
18	A3 Fon	SUS	0·0-2·0			7·94		0·25		0.002
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										

RESPONSIBLE OFFICER

element not determined
element concentration is below detection limit
; but concentration too low to measure

207

949262

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17900

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6755 6725 Date Received 15.4.81
Reference ..... Results Required .....
Delivered by ..... Total No. of Samples .....

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/B1A/0-1 0-13			1			3				2	Au		RG50	
E6/ 0-1 5-6														

(3) Number of pages of results: .....
Date Reported: .....
Results to: (1) as above (2) .....
W Lee
Number of Copies: 3

(4) Remarks: 2.Neigh

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
	EC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
	Re	aqua regia	A4	alkaline attack	AA	colorimetry	COL
		nitric-perchloric	A5	volatilization	VO	chromatography	CHR
				ignition	IG	titration	TTN
				pressed powder (XRF)	PP		

208

940863

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Code No. 6.2.01.179
Rack No.
Page No.
Order No. 6755 67

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SL	BIA FAT	COH	0	1	X				
2				2	3	X				
3				3	4	X				
4				4	5	X				
5				5	6	X	and Au			
6				6	7	X				
7				7	8	X				
8				8	9	X				
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

RESPONSIBLE OFFICER 21.6.87

Detection
Standard
Digestion

was otherwise specified
but concentration too low to measure
element concentration is below detection limit
element not determined

209

949264

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Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au/Sample		
1	SE	B1A	CON	9	10 m	x		
2				10	11	x		
3				11	12	x	nil Au	
4				12	13	x		
5			CON	S1	S1	x		
6	SE	E6	CON	0	1	0.004		
7				1	2	x		
8				2	3	x	0.004 mg Au	
9				3	4	x		
10				4	5	x		
11				5	6	x		
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

RESPONSIBLE OFFICER ..... 6.1.6.1 ..... F1

Detection

otherwise specified [redacted] mined

...ppm concentration too low to measure ...ation is below detection limit

949265

210

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Division ..... Phone .....

Code No. 6.201.79C
Rack No. ____
Page No. ____
Order No. 6735

RESULT SHEET

TUBE No.	SAMPLE No.		Se in Grams							
1	SE 61A		-							
2	9-10		7.50							
3	10-11		11.15							
4	11-12		11.76							
5	12-13		13.65							
6	0-13		11.66							
7	0-1		14.70							
8	1-2		13.33							
9	2-3		14.91							
10	3-4		10.16							
11	4-5		15.35							
12	5-6		15.96							
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

RESPONSIBLE OFFICER 16/6/81

Remarks

...ified ... but concentration too low to measure ...ation is below detection limit determined

Detection

211

949266

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[redacted] SUVA Fiji Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 717584

Client: Australian Anglo American Ltd

581 Little Collins Street

MELBOURNE VIC 3000

Order No. 6735 Date Received 30.3.81

Reference Results Required

Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
SE/B6/SEC 0-1										Au		RG50	
C6/SEC 0-8													
B7													

(3) Number of pages of results: 1

Date Reported: 7-4-81

Results to: (1) as above (2)

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES

[redacted]	SC		
[redacted]	MC		
[redacted]	CU		
[redacted]	RE		
[redacted]	PO		

ANALYSIS – PREPARATION

perchloric acid	A1	cold acid	CA
hydrochloric acid	A2	specific sulphide	SS
nitric acid	A3	other mixed acids	MA
aqua regia	A4	alkaline attack	AA
nitric-perchloric	A5	sublimation	VO
[redacted]	[redacted]	[redacted]	[redacted]

ANALYSIS – METHOD

atomic absorption	AAS		
x-ray fluorescence	XRF		
spectrophotometry	SPEC		
colorimetry	COL		
chromatography	CHR		
[redacted]	[redacted]	[redacted]	[redacted]

212

949267

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Code No. 6.2.01.175
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (ppm)		Ass.	Au (Assay)
1	SE	B6	CON	0	1	x		20.15	-
2				1	2	0.305		11.46	0.004
3				2	3	63.06		7.85	0.495
4				3	4	0.412		9.71	0.004
5				4	4.5	x		8.00	-
6				0	4.5	0.025		8.90	tr
7	SE	B7	CON	0	1	x		4.95	-
8				1	2	x		13.75	-
9				2	3	x		16.20	-
10				3	4	x		10.14	-
11				4	5	x		11.89	-
12				0	5	x		10.40	-
13	SE	C6	CON	0	1	x		9.05	-
14				1	2	x		15.00	-
15				2	3	0.205		10.97	0.002
16				3	4	x		18.82	-
17				4	5	x		8.28	-
18				5	6	0.097		10.30	0.001
19				6	7	x		10.68	-
20				7	8	x		23.77	-
21				0	8	x		9.39	-
22									
23									
24									
25									
Detection									
Standard									
Digestion									

RESPONSIBLE OFFICER .....

B7

element present; but concentration too low to measure
element concentration is below detection limit
element not determined

213

949263

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ASSAY RESULT SHEET

ANALYTICAL REPORT

Order No.

This report must be read in conjunction with the results given for JOB No. 6.2.01.17245

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6719 — Date Received 11.3.81
Reference — Results Required
Delivered by — Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Check/Duplicate or Verification (%)
			1			2				2	Au		RG50	

(3) Number of pages of results: 1
Date Reported: 18-3-81
Results to: (1) Mr Lee (2)
Per: as above
Number of Copies: 4

(4) Remarks: 2nd Wash

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
	MC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
	HC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
	Re	aqua regia	A4	alkaline attack	AA	colorimetry	COL

949269

214

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Code No. 6201.1745
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Fa		Wt. ASSAYED. gms	Au ozs/ton
1	SE	C1	Sect.	0	1	x		16.02	nil
2				1	2	0.016		15.76	tr
3				2	3	x		12.03	nil
4				3	4	x		19.14	nil
5				4	5	x		19.24	nil
6				5	6	x		16.92	nil
7				0	6	x		6.55	nil
8	SE	C2	Sect.	0	1	0.008		30.00	tr
9				1	3	x		21.15	nil
10				3	4	x		14.84	nil
11				4	5	1.44		22.03	0.03
12				5	6	x		15.33	nil
13				6	7	0.067		13.03	tr
14				7	8	x		14.54	nil
15				8	9	x		12.53	nil
16				9	10	x		10.11	nil
17				10	11	0.050		11.82	tr
18				11	12	0.154		3.73	tr
19				12	13	x		4.30	nil
20									
21									
22									
23									
24					nitric acid				
25					alkaline attack				

Detection
Standard

...s present; but concentration too low to measure
...ration below detection limit
...determined

215

949270

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Sydney: (02) [illegible] 488 7666
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Suva: Phone SUVA 361712

ANALYTICAL REPORT

Order No.

This report must be read in conjunction with the results given for JOB No. 6.2 01 17246

Client: Australian Anglo American Ltd

(1) 501 Little Collins Street
MELBOURNE VIC 3000

Order No. 6720 Date Received 11.3.81
Reference Results Required
Delivered by Total No. of Samples

(1) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see Remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
7			1			3				2	Au		RG50	
8														
9														
10														
11														
12														
13														
14														
15														
16														

(3) Number of pages of results: 2

Date Reported: 18-3-81

Results to: (1) Mr Lee (2)

Other: as above

Number of Copies: 3

Remarks: Sample #1 Cu / Soil 3 marked as the first sample to be analysed but unsuccessful there was insufficient sample material remaining to do this repeated

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
	SO	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
	Re	aqua regia	AA	alkaline attack	AA	colorimetry	COL
	SO	[illegible]	A5	[illegible]	XO	[illegible]	[illegible]
	AU	[illegible]	A6	[illegible]		[illegible]	[illegible]

949271

216

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Code No. 6.2.001.1729
Rack No.
Page No. 1
Order No.

ASSAY RESULT SHEET

ANALYTICAL REPORT

TUBE No.	SAMPLE No.			FROM	TO	Au	SAMPLE Wt(gms)	Lit. ASSAYED	mg/Au
17746 1	SE1	C2	Sect.	13	14	x	4	3.67	nil
2				14	15	0.012	20	19.59	tr
3				15	16	0.013	16	15.19	tr
4	SE1	C3	Sect	0	1	x	17	17.18	nil
5				1	2	x	28	27.77	nil
6				2	3	0.009	27	27.18	tr
7				3	4	1.31	25	25.27	0.03
8				4	5	0.025	23	22.56	tr
9				5	6	0.017	28	26.34	tr
10				6	7	x	19	18.40	nil
11				7	8	x	21	20.42	nil
12				8	9	0.067	21	21.30	tr
13				9	10	0.032	15	14.73	tr
14				10	11	0.476	24	23.59	0.01
15				0	11	0.057	22	21.74	tr
16	SE1	C4	Sect	0	1	0.040	25	25.09	tr
17				1	2	0.820	22	22.87	0.02
18				2	3	x	41	30.00	nil
19				3	4	Insufficient	29	Sample	?
20									
21									
22									
23									
24									
25									

Detection

Standard

RESPONSIBLE OFFICER

otherwise specified ... but ... too ... method ... concentration is below detection limit ... not determined

217

949272

ANALABS (AUST.) PTY. LTD.

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ASSAY RESULT SHEET
ANALYTICAL REPORT

Order No. ____

This report must be read in conjunction with the results given for JOB No. 6.2.81.17247

Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6721 — Date Received 11.3.81

MELBOURNE VIC 3000 — Reference ____ — Results Required ____

Delivered by ____ — Total No. of Samples ____

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Completion of analysis (%)
			1			2				2	Au		BG50	

(3) Number of pages of results: 1

Date Reported: 18-3-81

Results to: (1) Mr Lee (2) ____

Copy: as above

Number of Copies: 3

(4) Remarks: 2. Weigh

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
[illegible]	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
[illegible]	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
[illegible]	CU	nitric acid	A3	other mixed acids	Me	spectrophotometry	SPEC
[illegible]	Re	aqua regia	A4	alkaline attack	AA	polarimetry	COL
[illegible]	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR

949273

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ANALABS

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30 Todd Street, Walada, Suva, Fiji

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Phone SUVA 361512

Code No. 6.2.01.1724
Rack No.
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Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au	Wt. ASSAYED	Ag
1	SE	C4	Secr.	4	5	27.31	22.52	0.62
2				5	6	×	29.22	nil
3				0	6	×	29.52	nil
4	SE	C5	Secr.	0	1	×	28.47	nil
5				1	2	7.75	14.83	0.11
6				2	3	×	19.58	nil
7				3	3.6	0.205	18.28	0.004
8				4.1	5	6.61	20.05	0.13
9				5	6	90.00	17.96	1.62
10				6	7	63.65	20.74	1.32
11	SE	D1	Secr.	0	1	0.025	30.00	to
12				1	2	0.400	25.68	0.01
13				2	3	1.07	19.66	0.02
14				3	4	×	15.91	nil
15				4	5	×	21.77	nil
16				0	5	×	6.78	nil
17	SE	C5	Secr.	0	7	0.994	17.60	0.02
18								
19								
20								
21								
22								
23								
24								
25								

Detection

RESPONSIBLE OFFICER

otherwise specified
...ion is below detection limit
not determined

949274

219

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Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Hg (ppm)		Lim.	ass.	Cu (Au mg)
1	SC	RB	CON	0	1	x			26.15	-
2				1	2	0.205			11.46	0.004
3				2	3	63.06			7.81	0.495
4				3	4	0.412			9.71	0.004
5				4	4.5	x			8.00	-
6				0	4.5	0.025			8.90	tr
7	SC	R7	CON	0	1	x			4.95	-
8				1	2	x			13.75	-
9				2	3	x			16.20	-
10				3	4	x			10.14	-
11				4	5	x			11.89	-
12				0	5	x			12.40	-
13	SC	C6	CON	0	1	x			9.05	-
14				1	2	x			15.00	-
15				2	3	0.205			11.97	0.002
16				3	4	x			18.82	-
17				4	5	x			8.28	-
18				5	6	0.097			10.30	0.001
19				6	7	x			10.68	-
20				7	8	x			12.77	-
21				0	8	x			9.39	-
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER .....

R7

T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

220

949275

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Phone (0771) 43 6837
Phone BUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2.01.17585

Client: Australian Anglo American Ltd

(1) 581 Little Collins Street — Order No. 6736 — Date Received 30.3.81
MELBOURNE VIC 3000 — Reference — Results Required
Delivered by — Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	% partition (%)
SE/C7/SEC 0-1											Au		RG50	
C8/SEC 0-10														

(3) Number of pages of results: 1
Date Reported: 7-6-81
Results to: (1) W Lee (2)
Per: as above
Number of Copies: 3

(4) Remarks:

STATE OF SAMPLES: WC wet cake; BC bagged cake; CU crushed; As as received; SO solution

ANALYSIS — PREPARATION: perchloric acid A1; hydrochloric acid A2; nitric acid A3; aqua regia A4; nitric-perchloric A5; acid acid CA; specific sulphide SS; other mixed acids MA; alkaline attack AA; [illegible] YO

ANALYSIS — METHOD: atomic absorption AAS; X-ray fluorescence XRF; spectrophotometry SPEC; colorimetry COL; chromatography CHR

949276

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Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (ppm)	Wt. Ass.	gm (Au ppm)
1	SE	C7	CON	0	1	0.784	11.47	0.009
2				1	2	x	10.24	-
3				2	3	0.028	19.41	0.001
4				3	4	x	8.32	-
5				4	5	x	15.23	-
6				5	6	x	8.23	-
7				0	6	x	3.91	-
8	SE	C8		0	1	x	8.46	-
9				1	2	0.179	11.17	0.002
10				2	3	5.05	14.36	0.073
11				3	4	479.0	11.17	5.350
12				4	5	51.50	11.07	0.570
13				5	6	1.52	15.46	0.024
14				6	7	x	6.94	-
15				7	8	0.140	12.48	0.002
16				8	9	x	12.64	-
17				9	10	x	10.24	-
18				0	10	x	9.58	-
19								
20								
21								
22								
23								
24								
25								

RESPONSIBLE OFFICER

Detection

949277

222

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Code No. 6.2.01.1724
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au		Wt. ASSAYED		Au gm/t
1	SE	C4	Sect.	4	5	27.31		22.52		0.62
2				5	6	x		29.72		nil
3				0	6	x		29.52		nil
4	SE	C5	Sect.	0	1	x		28.47		nil
5				1	2	7.75		14.83		0.11
6				2	3	x		19.58		nil
7				3	3.6	0.205		11.28		0.004
8				4.1	5	6.61		20.01		0.13
9				5	6	90.00		17.96		1.62
10				6	7	63.65		20.74		1.32
11	SE	D1	Sect.	0	1	0.025		30.00		0
12				1	2	0.400		25.68		0.01
13				2	3	1.07		19.66		0.02
14				3	4	x		15.71		nil
15				4	5	x		21.77		nil
16				0	5	x		6.78		nil
17	SE	C5	Sect.	0	7	0.974		17.60		0.02
18										
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

949278

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SUVA FIJI — Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17248

Client: Australian anglo American Ltd

(1) 581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6722 Date Received 11.3.81

Reference Results Required

Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (6) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Precision (%)
			1			3				2	Au		RG50	

(3) Number of pages of results: 1

Date Reported: 18-3-81

Results to: (1) Mr Lee (2)

Per: as above

Number of Copies: 3

(4) Remarks:

(6) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	acid acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cuttings	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
stream	ST	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
through drillsteel	DS					fluorescence	FLUOR
heavy mineral	HM						

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Code No. 6.201.1724E
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au		Lr. ASSAYED.		mg Au
1	SL	D2	Sect.	0	1	x		14.33		nil
2				1	2	x		22.36		nil
3				2	3	x		20.81		nil
4				3	4	0.033		26.45		tr
5				4	5	47.35		11.51		0.55
6				5	6	x		25.36		nil
7				6	7	x		30.00		nil
8				7	8	5.36		24.23		0.13
9				8	9	x		18.27		nil
10				9	10	0.133		16.32		tr
11				10	11	0.010		19.40		tr
12				11	12	0.033		13.41		tr
13				12	13	0.050		20.30		tr
14				13	14	0.147		28.81		tr
15				14	15	0.181		20.65		tr
16				15	16	x		16.97		nil
17				16	17	x		8.91		nil
18				17	18	1.51		19.76		0.03
19				18	19	0.131		22.86		tr
20				19	20	0.042		30.00		tr
21				20	21	x		15.46		nil
22										
23										
24										
25										
Detection										
Standard										
Digestion										

RESPONSIBLE OFFICER

In ppm unless otherwise specified
x = element present; but concentration too low to measure
- = element concentration is below detection limit
* = element not determined

225 949230

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SUVA FIJI Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17249

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6723 Date Received 11.3.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Store	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Confidence of variation (%)
			1			3				2	Au		BG50	

(3) Number of pages of results: 1
Date Reported: 18-3-81
Results to: (1) as above (2)
For: Mr Lee
Number of Copies: 3 1

(4) Remarks:

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
wheat cores	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
lump cores	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cuttings	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
grab	SO	alkaline perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemical means	CHEM
fluxes	FL	fusion	A8	other (state QUAL)	QF	miscellaneous	MISC
other minerals	OM					fluorescence	FLUOR
metal cuttings	MC						

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Order No.

ASSAY RESULT SHEET

17249

TUBE No.	SAMPLE No.					Au	Wt (gms) SAMPLE	Au ASSAYED	Au mg/t
1	SC	D2	Sect	21	22	0.222	30	26.91	0.01
2				22	23	0.032	22	101.49	tr
3				23	24	0.024	32	29.12	tr
4				24	25	0.033	24	21.79	tr
5				25	26	0.017	34	30.00	tr
6				26	27	0.032	29	22.04	tr
7				27	28	0.050	38	27.77	tr
8				28	29	0.033	40	30.00	tr
9				29	30	0.933	58	30.00	0.03
10				0	30	0.008	53	30.00	tr
11	SC	D3	Sect.	0	1	0.050	28	26.41	tr
12				1	2	0.010	23	21.25	tr
13				2	3	0.030	21	19.90	tr
14				3	4	x	27	25.04	nil
15				4	5	1.21	25	22.66	0.03
16				5	6	0.017	28	22.20	tr
17				6	7	0.132	27	22.74	tr
18				7	8	0.025	32	26.62	tr
19				8	9	0.080	20	18.00	tr
20									
21									
22									
23									
24									
25									

Detection
Standard
Digestion

RESPONSIBLE OFFICER

- element present; but concentration too low to measure
- element concentration is below detection limit
- element not determined

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Code No. 6.201.17250
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au		Lt. ASSAYED for Au	Au
1	SL	D3	Sec1	9	10	x		23.72	nil
2				10	11	x		15.12	nil
3				0	11	x		14.45	nil
4	SL	E1	Sec1	0	1	x		18.55	nil
5				1	2	0.018		22.17	tr
6				2	3	0.008		28.15	tr
7				3	4	x		27.05	nil
8				4	5	0.017		23.45	tr
9				5	6	0.033		27.06	tr
10				6	7	x		18.10	nil
11				7	8	0.358		14.71	0.01
12				8	9	x		9.53	nil
13				9	12	x		17.45	nil
14				10	11	x		12.65	nil
15				11	12	0.025		18.56	tr
16				12	13	x		20.70	nil
17				0	13	x		30.00	nil
18									
19									
20									
21									
22									
23									
24									
25									
Detection									
Standard									
Digestion									

RESPONSIBLE OFFICER .....

- element present; but concentration too low to measure
- element concentration is below detection limit
- element not determined

ANALABS

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949283

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18575

Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6761 — Date Received 21.5.1981

VIC — Reference — Results Required

Delivered by — Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
SB 04/0 22		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K.Lee

Number of Copies: 3

Remarks:

(5) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatillization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the **disposal** of your **samples.**

JOB No. 6.2 01 18575

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

(PLEASE TICK APPROPRIATE BOX)

949284

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ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample			
1	SL	D4	CON	0	1	0.019			
2				1	2	X			
3				2	3	0.002			
4				3	4	X			
5				4	5	0.013			
6				5	6	0.355			
7				6	7	1.52			
8				7	8	4.00			
9				8	9	2.85			
10				9	10	0.005			
11				10	11	0.002			
12				11	12	X			
13				12	13	0.003	1.526 mg Au		
14				13	14	X			
15				14	15	0.002			
16				16	17	0.145			
17				17	18	0.002			
18				18	19	0.055			
19				19	20	0.002			
20				20	21	0.550			
21				21	22	0.001			
22									
23									
24									
25									
Detection						0.001			
Standard									
Digestion									
Method						AAS FIRE			

RESPONSIBLE OFFICER 6/6/87

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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ANALABS

949285

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Phone (09) 458 7999

Division.....
Phone.....

Code No. 62 01 18575
Rack No. _____
Page No. _____
Order No. 6161

RESULT SHEET

TUBE No.	SAMPLE No.		WT in Grams							
1	SELN									
2	0-1		9.20							
3	1-2		10.30							
4	2-3		11.34							
5	3-4		10.20							
6	4-5		11.03							
7	5-6		8.74							
8	6-7		24.31							
9	7-8		9.16							
10	8-9		16.54							
11	9-10		11.88							
12	10-11		14.86							
13	11-12		10.11							
14	12-13		7.87							
15	13-14		11.16							
16	14-15		14.30							
17	15-16		—							
18	16-17		9.96							
19	17-18		12.64							
20	18-19		7.67							
21	19-20		13.00							
22	20-21		14.51							
23	21-22		24.67							
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER .....

16/1/87

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

ANALABS

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281

949286

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18574

Client: Australian Anglo American Ltd
581 Little Collins Street
VIC

Order No. 6762 Date Received 21.5.1981
Reference Results Required
Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
E/D422 - 5 ~~118~~		2	1			3					Au		RG50	
E/DS C-19														

(3) Number of pages of results:
Date Reported: as above
Results to: (1) Mr W.K.Lee (2)
Per:
Number of Copies: 5

Remarks:

(5) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the disposal of your samples.

JOB No. 6.2 01 18574

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

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949287

Code No. 6.201.1857A
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample			
1	SC	D4	CON.	22	23	0.391		0.640mg Au	
2		CON	SILTS	0	23	0.249			
3	SC	D5	CON.	0	1	NO SAMPLE			
4				1	2	X			
5				2	3	X			
6				3	4	X			
7				4	5	X			
8				5	6	X			
9				6	7	X			
10				7	8	X			
11				8	9	X			
12				9	10	X		0.002mg Au	
13				10	11	X			
14				11	12	X			
15				12	13	X			
16				13	14	X			
17				14	15	X			
18				15	16	X			
19				16	17	0.001			
20				17	18	0.001			
21									
22									
23									
24									
25									
Detection						.001			
Standard									
Digestion									
Method						FA	AAS		

RESPONSIBLE OFFICER 6.1.87

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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949288

Code No. 6·2 01 1864
Rack No. _____
Page No. _____
Order No. 6762

RESULT SHEET

TUBE No.	SAMPLE No.		Wt in grams							
1	se/04									
2	22-23		17·49							
3	0-23		19·93							
4	DS 0-1		—							
5	1-2		11·33							
6	2-3		9·99							
7	3-4		21·41							
8	4-5		13·93							
9	5-6		20·38							
10	6-7		10·91							
11	7-8		7·45							
12	8-9		7·12							
13	9-10		6·46							
14	10-11		6·75							
15	11-12		7·15							
16	12-13		8·86							
17	13-14		7·61							
18	14-15		8·34							
19	15-16		7·14							
20	16-17		7·60							
21	17-18		10·60							
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16.1.6.87

Results in parts per million unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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949289

234.

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18573

Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6763 — Date Received 21.5.1981

L VIC — Reference — Results Required

Delivered by — Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
E/D5/18 D6/12		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K. Lee

Number of Copies: 3

Remarks:

(5) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the disposal of your samples.

JOB No. 6.2 01 18573

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

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949290

Code No. 6-2-01-1857?
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample			
1	SL	DS	COH	18	19	x	OHL SPECK OR GOLD		
2				0	19	0.060	a.060mg Au	"	"
3	SL	D6	COH	0	1	x			
4				1	2	x			
5				2	3	x			
6				3	4	x			
7				4	5	x			
8				5	6	x			
9				6	7	x	nil Au		
10				7	8	x			
11				8	9	x			
12				9	10	x			
13				10	11	x			
14				11	12	x			
15		2'OH	SILTS	0	12	x			
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
Detection						0.001			
Standard									
Digestion									
Method						FAA Finish			

RESPONSIBLE OFFICER 6/6/89

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

949291

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Phone.....

Code No. 62 01 18573
Rack No.
Page No.
Order No. 6763

RESULT SHEET

TUBE No.	SAMPLE No.		Wt in grams							
1	~~set 6~~									
2	18-19		6.45							
3	19-19		8.94							
4	SET D6 0-1		17.61							
5	1-2		14.31							
6	2-3		11.26							
7	3-4		12.27							
8	4-5		14.38							
9	5-6		29.17							
10	6-7		6.69							
11	7-8		10.98							
12	8-9		14.23							
13	9-10		14.83							
14	10-11		9.23							
15	11-12		21.93							
16	0-12		8.44							
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 14/6/85

Results in parts per million unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17250

(1) Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6724 — Date Received 11.3.81

MELBOURNE VIC 3000 — Reference — Results Required

Delivered by — Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
			1			3			2	Au		RG50	

(3) Number of pages of results: 1

Date Reported: 18-3-81

Results to: (1) as above (2)

Number of Copies: 3

Remarks:

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
[illegible]	WC	perchloric acid	A1	acid acid	CA	atomic absorption	AAS
[illegible]	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
[illegible]	CU	nitric acid	A3	other mixed acids	MA	spectrophotometry	SPEC
[illegible]	TIN	aqua regia	A4	alkaline attack	AA	colorimetry	COL
[illegible]	SO	HNO3-perchloric	A5	volatilization	VO	chromatography	CHR
[illegible]	FU	HF mixtures	A6	ignition	IG	titration	TITR
[illegible]	WA	HF acidic complexes	A7	[illegible]	[illegible]	other chemical methods	CHEM
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Code No. 6.201.172
Rack No. _____
Page No. _____
Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au		Ht. 17.5.92	
1	SL	DS	Sec1	9	10	x		23.72	m
2				10	11	x		15.12	m
3				0	11	x		14.45	m
4	SL	E1	Sec1	0	1	x		18.55	m
5				1	2	0.018		25.17	m
6				2	3	0.008		28.19	m
7				3	4	x		27.05	m
8				4	5	0.017		25.45	m
9				5	6	0.033		27.06	m
10				6	7	x		18.10	m
11				7	8	0.358		14.71	0.3
12				8	9	x		9.53	m
13				9	10	x		17.45	m
14				10	11	x		12.85	m
15				11	12	0.025		18.56	m
16				12	13	x		20.70	m
17				0	13	x		30.00	m
18									
19									
20									
21									
22									
23									
24									
25									
Detection									
Standard									
Digestion									
Method									

RESPONSIBLE OFFICER 18.7.92

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

239

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2.01 17411

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6725 Date Received 19.3.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (3) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Disaggregate	Other (see Remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Concentration or detection limit (%)
SE/E2/SECT 0-1											Au		RG50	
3/SECT 8-9														

(3) Number of pages of results: 1
Date Reported: 26-3-81
Results to: (1) as above (2)
Per:
Number of Copies: 3 1

(4) Remarks:

(3) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
[illegible] core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
[illegible] core	BC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
rock	Rx	aqua regia	A4	alkaline attack	AA	colorimetry	COL
[illegible]	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
soil	PU	HF mixtures	A6	ignition	IG	titration	TIT
[illegible]	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals reagents	[illegible]
tissue	TI	[illegible]	A8	glass fusion (XRF)	GF	miscellaneous	[illegible]
[illegible]	[illegible]					fluorescence	[illegible]
[illegible]	[illegible]						

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940295

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Code No. 6.2.01.1741S
Rack No. _____
Page No. 1
Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au ppm		Lr.	Au/Cu gm.	
1	E2	CON	0	1	x			15.92	
2			1	2	2.46			24.26	
3			2	3	0.964			29.79	
4			3	4	x			24.62	
5			4	5	x			30.10	
6			5	6	1798			24.19	
7			6	7	3.65			24.00	
8			7	8	x			21.30	
9			8	9	x			19.72	
10			9	10	x			16.02	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

RESPONSIBLE OFFICER 24.3.94

Detection

Standard

Digestion

- element present; but concentration too low to measure
- element concentration is below detection limit
- element not determined

241

949296

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Code No. 62.01.17411
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au			Au ASSAYED (g
1	E2	CON	0	10	x			22.48
2	E3	CON	0	1	x			22.05
3			1	2	x			30.74
4			2	3	x			23.00
5			3	4	2.75			19.07
6			4	5	x			20.72
7			5	6	x			25.84
8			6	7	x			24.45
9			7	8	0.070			17.82
10			8	9	x			16.28
11			9	10	x			22.61
12			10	11	x			22.22
13			11	12	10.38			19.50
14			12	13	x			15.91
15			13	14	x			15.86
16			14	15	x			12.12
17			15	16	x			25.48
18			0	16	x			23.16
19								
20								
21								
22								
23								
24								
25								
Detection								
Standard								
Digestion								

RESPONSIBLE OFFICER .....

ts in ppm unless otherwise specified
= element present; but concentration too low to measure
= element concentration is below detection limit
= element not determined

242

942297

aD

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Code No. 6.2 01 1741-6
Rack No.
Page No.
Order No. 6725-30

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.		Au(mg)				Au(mg)			
1	E2 CON	0-1	x		E3ACON	7-3	x			
2	E3 CON	0-1	x			8-9	x			
3		1-2	x			9-10	x			
4		2-3	x			10-11	0.0327			
5		3-4	0.0574			11-12	0.0003			
6		4-5	x			12-13	x			
7		5-6	x			13-14	x			
8		6-7	x			14-15	0.0005			
9		7-8	0.0012			15-16	0.0003			
10		8-9	x			16-17	0.2399			
11		9-10	x			17-18	0.0002			
12		10-11	x			18-19	0.0004			
13		11-12	0.7024			19-20	0.0245			
14		12-13	x			20-21	0.0002			
15		13-14	x			21-22	0.0117			
16		14-15	x			22-23	0.0038			
17		15-16	x			23-24	0.0336			
18		0-16	x			24-25	x			
19	E3ACON	0-1	x			25-26	x			
20		1-2	x			26-27	0.0001			
21		2-3	x			27-28	x			
22		3-4	x			28-29	x			
23		4-5	x			29-30	x			
24		5-6	0.1199			30-31	x			
25		6-7	x			31-32	0.0003			
Detection										
Standard										
Digestion										

RESPONSIBLE OFFICER 27.1.81

All results in ppm unless otherwise specified
element present; but concentration too low to measure
element concentration is below detection limit
element not determined

949298

243

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Code No. 6201 17411-6
Rack No.
Page No.
Order No. 6725 - 30

GEOCHEMICAL RESULT SHEET

TUBE No.	SAMPLE No.		Au (mg)			Au (mg)			
1	E3A (on)	32-33	×		E4 (on)	35 & 36	×		
2		33-34	×			36 37	0.0068		
3		34-35	0.3050			37-38	×		
4		35-36	0.0068			38 39	0.0042		
5		36 37	×			39-40	×		
6		37-38	×			40-41	0.0185		
7		38 39	×			0-41	0.0143		
8		39-40	0.0067		E2 (on)	0-1	×		
9		40-41	×			1-2	0.0599		
10		41-42	×			2-3	0.0232		
11		0-42	0.0192			3-4	×		
12	E4 (on)	0-1	0.0010			4-5	×		
13		1-2	×			5-6	0.4349		
14		2-3	×			6-7	0.0876		
15		3-4	0.0132			7-8	×		
16		4-5	1.3757			8-9	×		
17		5-6	0.1599			9-10	×		
18		6-7	×						
19		7-8	×						
20		8-9	×						
21		9-10	0.5170						
22		31-32	×						
23		32-33	0.0012						
24		33-34	0.0036						
25		34-35	0.0302						
Detection									
Standard									
Digestion									
Method									

SAMPLE OFFICER 27.3.81

unless otherwise specified
T = element present; between ... to ...
X = element concentration is below detection limit
– = element not determined

241

949299

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SUVA FIJI — Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2.01.17412

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6726 Date Received 19.3.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (6) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Sieve Separate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	% variation (%)
SE/E5 1-10											Au		RG50	
3A 11-12														

(3) Number of pages of results: 1
Date Reported: 26-3-81
Results to: (1) as above (2)
Per: W Lee
Number of Copies: 3

(4) Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
powder core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
rock core	RC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cuttings	CU	nitric acid	A3	other mixed acids	Ms	spectrophotometry	SPEC
[illegible]	Pu	aqua regia	A4	alkaline attack	AA	colorimetry	COL
[illegible]	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
[illegible]	FU	HF mixture	A6	ignition	IG	titration	TITR
[illegible]	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
[illegible]	TI	[illegible]	[illegible]	fused beads (XRF)	FB	miscellaneous	MISC
[illegible]	[illegible]					fluorescence	[illegible]

245

949300

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Code No. 6.2.01.17412
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au			Wt. ASSAYED (g)		
1	EJA	COH.	0	1	x			26.10		
2			1	2	x			19.10		
3			2	3	x			8.50		
4			3	4	x			10.92		
5			4	5	x			10.00		
6			5	6	6.33			18.94		
7			6	7	x			13.76		
8			7	8	x			9.71		
9			8	9	x			16.22		
10			9	10	x			22.42		
11			10	11	1.97			16.55		
12			11	12	0.010			28.07		
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

RESPONSIBLE OFFICER 24.3.87

Detection
Standard
Digestion

Results in ppm unless otherwise specified
- = element present; but concentration too low to measure
- = element concentration is below detection limit
- = element not determined

246

949301

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SUVA FIJI — Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17413

Client: Australian Anglo American Ltd

(1) 581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6727 Date Received 19.3.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES Refer to section (8) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS Refer to section (6) for terminology	Preparation	Method	Completion Date
E3A/12 - 12											Au		RG50	
32 - 33														

(3) Number of pages of results: 1
Date Reported: 26-3-81
Results to: (1) as above (2)
Attn: W Lee
Number of Copies: 3

(4) Remarks:

(8) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	acid acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	X-ray fluorescence	XRF
cuttings	CU	nitric acid	A3	other mixed acids	Mx	spectrophotometry	SPEC
soil	SO	aqua regia	AA	alkaline attack	AA	colorimetry	COL
rock	RO	nitric-perchloric	AB	volatilization	VO	chromatography	CHR
fluid	FU	HF mixtures	AC	ignition	IG	titration	TIT
water	WA	HF under pressure	AD	pressed powder (XRF)	PP	other chemicals (name)	
gas	GA	other		fused bead (XRF)	FB	miscellaneous	
mineral separates	MS					fluorimetry	

247

949302

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Phone SUVA 361512

Code No. 6.2.01.17413
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au				ASSAY(4)	
1	EJA	COH	12	13	x				15.04	
2			13	14	x				30.00	
3			14	15	0.032				14.99	
4			15	16	0.017				17.62	
5			16	17	14.71				16.31	
6			17	18	0.024				10.23	
7			18	19	0.025				17.28	
8			19	20	2.20				11.14	
9			20	21	0.016				15.27	
10			21	22	0.740				15.20	
11			22	23	0.280				12.40	
12			23	24	1.47				22.89	
13			24	25	x				12.25	
14			25	26	x				18.37	
15			26	27	0.010				12.03	
16			27	28	x				12.64	
17			28	29	x				17.28	
18			29	30	x				15.01	
19			30	31	x				12.96	
20			31	32	0.015				16.71	
21			32	33	x				15.83	
22										
23										
24										
25										

Detection
Standard
Digestion

RESPONSIBLE OFFICER

element present; but concentration too low to measure
element concentration is below detection limit
element not determined

248

949303

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17414

Client: Australian Anglo American Ltd

(1) 501 Little Collins Street, MELBOURNE VIC 3000

Order No. 6728 Date Received 19.3.81

Reference: Results Required:

Delivered by: Total No. of Samples:

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Analysis Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see comments)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Detection limit (%)
ESA/33 - 34											Au		FG50	
0 - 42														

(3) Number of pages of results: 1

Date Reported: 24-3-81

Results to: (1) — as above (2)

Attn: W Lee

Number of Copies: 3 3

(4) Remarks:

STATE OF SAMPLES	ANALYSIS — PREPARATION	ANALYSIS — METHOD
[illegible]	perchloric acid PC; hydrochloric acid HC; nitric acid NO; sulphuric acid SU; hydrofluoric acid HF; fusion FU; sinter SI; [illegible]	acetic acid CA; dilute sulphuric acid SU; other mineral acids MA; alkaline attack AA; volatilization VO; fusion FU; ground powder (XRF) PP; [illegible]

249

949304

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Code No. 6.2.01.1741
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au ppm			Lot. Assayed by
1	EJA	CON	33	34	x			11.58
2			34	35	34.31			8.89
3			35	36	0.707			9.551
4			36	37	x			13.06
5			37	38	x			4.41
6			38	39	x			16.58
7			39	40	0.406			16.62
8			40	41	x			23.17
9			41	42	x			6.33
10			0	42	1.11			17.30
11	E4	CON	0	1	0.058			17.10
12			1	2	x			15.93
13			2	3	x			16.77
14			3	4	0.658			20.11
15			4	5	74.00			18.55
16			5	6	8.82			18.12
17			6	7	x			13.71
18			7	8	x			8.40
19			8	9	x			9.00
20			9	10	11.47			45.07
21								
22								
23								
24								
25								
Detection								
Standard								
Digestion								

RESPONSIBLE OFFICER

- [redacted] in ppm unless otherwise sp[redacted]
- [redacted] element present; but concentration too low to measure
- element concentration is below detection limit
- element not determined

259 949305

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SUVA FIJI Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17415

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6729 Date Received 19.3.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (8) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverise	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
/E4/ 10 - 11											Au		RG50	
30 - 31														

(3) Number of pages of results: 1
Date Reported: 26-3-81
Results to: (1) as above (2)
Attn: W Lee
Number of Copies: 3

(4) Remarks:

(8) STATES OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
		perchloric acid	A1	cold acid	CA	atomic absorption	AAS
		hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
		nitric acid	A3	other mixed acids	MA	spectrophotometry	SPEC
		aqua regia	A4	alkaline attack	AA	volumetry	VOL
		nitric + perchloric	A5	volatilization	VO	chromatography	CHR
		HF mixture	A6	ignition	IG	titration	TTN
		HF under pressure	A7		PP		
		fusion	A8				

251

949306

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Phone SUVA 361512

Code No. 6.2.01.1741S
Rack No.
Page No. 2 of 5
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au (ppm)	Au (mg)	Lr.	ASSAY-TON
1	E4	CON	10	11	x	-		29.32
2			11	12	x	-		17.94
3			12	13	0.011	0.0002		19.59
4			13	14	x	-		20.05
5			14	15	x	-		25.36
6			15	16	x	-		19.50
7			16	17	19.70	0.4200		21.32
8			17	18	x	-		20.75
9			18	19	x	-		19.87
10			19	20	x	-		39.12
11			20	21	x	-		37.65
12			21	22	x	-		33.41
13			22	23	x	-		35.96
14			23	24	x	-		35.65
15			24	25	x	-		14.28
16			25	26	1.61	0.0291		18.06
17			26	27	0.008	0.0002		25.62
18			27	28	x	-		18.82
19			28	29	0.017	0.0002		13.35
20			29	30	7.20	0.1750		24.31
21			30	31	0.017	0.3004		25.40
22								
23								
24								
25								
Detection								
Standard								
Digestion								

RESPONSIBLE OFFICER 26.7.15

- element present; but concentration too low to measure
- element concentration is below detection limit
- element not determined

252

949307

ANALABS (AUST.) PTY. LTD

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2.01.17416

(1) Client: Australian Anglo American Ltd

560 Little Collins Street

MELBOURNE VIC 3000

Order No. 6730 Date Received 19.3.81

Reference Results Required

Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Analysis No.
CR/E4 31 - 32											Au		BG50	
0 - 41														

(3) Number of pages of results: 1

Date Reported: 26-3-81

Results to: (1) as above (2)

Per: W Lee

Number of Copies: 3

Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
[illegible]	RC	perchloric acid	A1	acid acid	TA	[illegible]	BA3
[illegible]	SC	hydrochloric acid	A2	specific sulphide	BB	[illegible]	BAF
[illegible]	DU	nitric acid	A3	other mixed acids	BC	[illegible]	BFC
[illegible]	RS	aqua regia	A4	alkaline attack	AA	[illegible]	BGL
[illegible]	RC	[illegible]	A5	volatilization	BD	[illegible]	BXA
[illegible]	FU	[illegible]	A6	ignition	BE	[illegible]	BXF
[illegible]	PA	[illegible]	A7	[illegible]	BF	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

253

949308

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Code No. 6.201.17416
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.				Au			Lyt.	ASSAY'D		
1	E4	CON.	31	32	x				32.40		
2			32	33	0.076				16.26		
3			33	34	0.125				28.65		
4			34	35.5	1.74				17.38		
5			35.5	36	x				21.05		
6			36	37	0.577				11.70		
7			37	38	x				11.87		
8			38	39	0.302				14.05		
9			39	40	x				12.35		
10			40	41	0.877				21.09		
11			0	41	0.498				28.63		
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
Detection											
Standard											
Digestion											

7612.18

RECEIVING OFFICER

- ...ts in ppm unless otherwise specified
- ... element concentration is below detection limit
- ... element not determined

ANALABS

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254

949309

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18572

Client: Australian Anglo American Ltd

581 Little Collins Street
VIC

Order No. 6764 Date Received 21.5.1981

Reference Results Required

Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SWE4A/0 21		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K. Lee

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the disposal of your samples.

JOB No. 6.2 01 18572

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

949310

255

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Code No. 6.2.01.1857.2
Rack No. _____
Page No. _____
Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SL	L4A	CON	0	1	x				
2				1	2	x				
3				2	3	x				
4				3	4	x				
5	2 SPECKS OF GOLD			4	5	0.290				
6	2 SPECKS OF GOLD			5	6	0.167				
7				6	7	x				
8				7	8	x				
9				8	9	x				
10				9	10	x				
11				10	11	x				
12				11	12	x				
13				12	13	x				
14				13	14	x				
15				14	15	x				
16				15	16	x			0.462 mg Au	
17				16	17	0.002				
18				17	18	x				
19				18	19	0.003				
20				19	20	x				
21				20	21	x				
22										
23										
24										
25										
Detection						0.001				
Standard										
Digestion										
Method						BLD Fire Assay				

RESPONSIBLE OFFICER 6/6/87

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

256

ANALABS

949311

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Phone (09) 458 7999

Division.....

Phone.....

Code No. 6201 18572
Rack No. _____
Page No. _____
Order No. 6764

RESULT SHEET

TUBE No.	SAMPLE No.		WT IN GRAMS						
1	SEE 4A	0-1	9.43						
2		1-2	3.36						
3		2-3	9.43						
4		3-4	4.61						
5		4-5	7.91						
6		5-6	12.23						
7		6-7	SAMPLE LOST						
8		7-8	8.96						
9		8-9	9.08						
10		9-10	18.28						
11		10-11	6.56						
12		11-12	7.63						
13		12-13	13.16						
14		13-14	8.21						
15		14-15	8.52						
16		15-16	8.36						
17		16-17	26.76						
18		17-18	8.46						
19		18-19	7.16						
20		19-20	7.35						
21		20-21	15.01						
22									
23									
24									
25									
Detection									
Standard									
Digestion									
Method									

RESPONSIBLE OFFICER 16/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

ANALABS

A DIVISION OF MACDONALD HAMILTON & CO. PTY. LTD.
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949312

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18571

Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6765 — Date Received 21.5.1981

VIC — Reference — Results Required

Delivered by — Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
S/E4A/21 50		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K.Lee

Number of Copies: 3

Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the disposal of your samples.

JOB No. 6.2 01 18571

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☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

(PLEASE TICK APPROPRIATE BOX)

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949313

Code No. 6.2.01.1571
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SE	E4A	COM.	21	22	X				
2				22	23	X				
3				23	24	X				
4				24	25	X				
5				25	26	0.003				
6				26	27	X				
7				27	28	X				
8				28	29	X				
9				29	30	X		0.033mg Au		
10				30	31	X				
11				31	32	X				
12				32	33	X				
13				33	34	0.011				
14				34	35	X				
15				35	47	—				
16				48.5	50	0.041				
17		COM	PLTS	0	50	X				
18										
19										
20										
21										
22										
23										
24										
25										
Detection						0.001				
Standard										
Digestion										
Method						AAS 10g/L				

RESPONSIBLE OFFICER 6.1.91

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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Code No. 620118671
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RESULT SHEET

TUBE No.	SAMPLE No.		Wt in grams							
1	Sel24A									
2	21-22		10.60							
3	22-23		12.36							
4	23-24		29.66							
5	24-25		12.16							
6	25-26		28.69							
7	26-27		12.87							
8	27-28		44.14							
9	28-29		14.54							
10	29-30		30.04							
11	30-31		13.31							
12	31-32		6.03							
13	32-33		19.24							
14	33-34		10.51							
15	34-36		12.61							
16	36-147		35.46							
17	48.5-50		14.74							
18	0-50		4.77							
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16/6/81

T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

260

949315

ANALYTICAL REPORT

Date Rec'd 22.3.93 Date Received 30.3.93

Results Required

Delivered by Total No. of Samples

Sample Number	State of Samples (Refer to section (B) for terminology)	Sample Weight	Pretreatment: Dry	Crush	Split	Pulverise	Sieve	Reduce	Other (Specify)	None	Analysis (Refer to section (A) for terminology)			
SR/25/3600-1 -21-22											All		RG50	

(3) Number of pages of results: 1

Date Reported: 6-4-93

Results to: (1) W Lee (2)

as above

Number of Copies

261

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Code No. 6.2.01.17.87
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Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au	Au	Lot: ASSAYED	Au mg
1	SC	GSS	CON	0	1	x		17.41	
2				1	2	x		21.71	
3				2	3	0.027		18.08	+/- 0.0005
4				3	4	x		15.41	
5				4	5	x		28.17	
6				5	6	x		20.90	
7				6	7	x		22.70	
8				7	8	x		25.48	
9				8	9	x		10.65	
10				9	10	x		27.84	
11				10	11	x		57.01	
12				11	12	x		25.04	
13				12	13	x		20.05	
14				13	14	x		23.08	
15				14	15	x		16.40	
16				15	17	x		44.71	
17				17	18	x		16.18	
18				18	19	x		42.84	
19				19	20	x		22.60	
20				20	21	x		39.51	
21				21	22	x	-	16.76	
22									
23									
24									
25									
Detection									
Standard									
Digestion									

RESPONSIBLE OFFICER ...

element present; but concentration too low to measure
element concentration is below detection limit
element not determined

262

949317

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A3319 RESULT SHEET

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17583

Client: Australian Anglo American Ltd

581 Little Collins Street

MELBOURNE VIC 3000

Order No. 6734 Date Received 30.3.81

Reference: Results Required:

Delivered by: Total No. of Samples:

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/E5/SEC22-23											Au		RG50	
to 0 - 36														

(3) Number of pages of results: 1

Date Reported: 7-4-81

Results to: (1) W Lee (2)

cc: as above

Number of Copies: 3

(1) Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION			ANALYSIS – METHOD	
	WC	perchloric acid	A1	weld acid	CA	atomic absorption AAS
	BC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence XRF
	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry SPEC
	Re	aqua regia	A4	alkaline attack	AA	colorimetry COL
		nitric-perchloric	A5		VO	chromatography Chrm
		fusion				titration Titr
						other chemical assay

949318

263

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Code No. 6·2·01·175
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Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					Au (PPM)	Total Vol	Assay (Au g/t)	Au mg.
1	SL	LS	COH	22	23	x	20·11		—
2				23	24	0·341	29·34		0·01c
3				24	25	8·35	15·57		0·13c
4				25	26	0·036	20·61		0·001
5				26	27	x	21·26		—
6				27	28	x	15·05		—
7				28	29	0·010	22·77		tr
8				29	30	0·076	13·12		0·001
9				30	31	x	14·22		—
10				31	32	x	15·95		—
11				32	33	x	17·32		—
12				33	34	x	7·87		—
13				34	35	x	11·09		—
14				35	36	x	9·94		—
15			Sec1	0	36	x	6·18		—
16									
17									
18									
19									
20									
21									
22									
23									
24	NC SC								
25	FA SO								

Detection
Standard
Digestion

RESPONSIBLE OFFICER 21.4.87

otherwise specified
J but concentration too low to measure
– element concentration is below detection limit
* element not determined

264

949319

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Code No. 6.2.01 17900
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample	
1	SE	BIA	CON	9	10	x	
2				10	11	x	
3				11	12	x	nil Au
4				12	13	x	
5			CON	13	14	x	
6	SE	E6	CON	0	1	0.004	
7				1	2	x	
8				2	3	x	0.004 mg Au
9				3	4	x	
10				4	5	x	
11				5	6	x	
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
Detection							
Standard							
Digestion							
Method							

[redacted] ONSIGNED OF [redacted] 6.1.6.1 F1

[redacted]ts in ppm unless otherwise specified
[redacted] = element [redacted]t: bu[redacted]cent[redacted] too [redacted] me[redacted]
= = element concentration is below detection limit
X = = element not determined

265

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17900

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6735 Date Received 15.4.81
Reference ... Results Required ...
Delivered by ... Total No. of Samples ...

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/B1A/0-1 0-13			1			3				2	Au		RG50	
E6/ 0-1 5-6														

(3) Number of pages of results: ...
Date Reported: ...
Results to: (1) as above (2) ...
Per: W Lee ...
Number of Copies: 3 ...

(4) Remarks: 2.Weigh

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer ...

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949321

Code No. 6.2.01.17700
Rack No.
Page No.
Order No. ~~6735~~

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ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Hg / Sam. 1c				
1	SC	61A FAT	COH	0	1	X				
2				2	3	X				
3				3	4	X				
4				4	5	X				
5				5	6	X				
6				6	7	X				
7				7	8	X				
8				8	9	X				
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection						0.001				
Standard										
Digestion										
Method						AA/FA				

mg Au

RESPONSIBLE OFFICER

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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949322

Code No. 6.2.01.17900
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SE	BIA	CON	9	10 m	x	}	nil Au		
2				10	11	x				
3				11	12	x				
4				12	13	x				
5			CON	SLAG		x				
6	SE	E6	CON	0	1	0.004	}	0.004mg Au		
7				1	2	x				
8				2	3	x				
9				3	4	x				
10				4	5	x				
11				5	6	x				
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection						.001				
Standard										
Digestion										
Method						AAS Flame Lo				

RESPONSIBLE OFFICER ..... 6.1.6.1 FP

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

949323

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Code No. 6.20.7900
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Page No.
Order No. 6735

RESULT SHEET

TUBE No.	SAMPLE No.		Fe in ppms							
1	SE/B1A		-							
2	9-10		7.50							
3	10-11		11.15							
4	11-12		11.76							
5	12-13		13.66							
SE/E6	0-13		11.66							
7	0-1		14.70							
8	1-2		13.33							
9	2-3		14.91							
10	3-4		10.16							
11	4-5		15.35							
12	5-6		15.96							
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16/6/81

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17901

Client: Australian Anglo American Ltd

(1) 581 Little Collins Street — Order No. 6754 — Date Received 15.4.81

MELBOURNE VIC 3000 — Reference — Results Required

Delivered by — Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/E6/6-7 26-27			1			3			2		Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: W Lee

Number of Copies: 3

(4) Remarks: 2.Weigh

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

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949325

Code No. 6.2.01.17901
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg/m / Sample
1	SE	E6	COM	6	7 m	X
2				7	8	X
3				8	9	X
4				9	10	X
5				9	10A	X
6				10	11	X
7				10	11A	X
8				11	12	X
9				11	12A	X
10				12	13	0.005
11				13	14	X
12				14	15	X
13				15	16	X
14				16	17	X
15				17	18	Y
16				18	19	X
17				19	20	0.002
18				20	21	0.003
19				21	22	X
20				22	23	0.001
21				23	24	Y
22				24	25	X
23				25	26	X
24				26	27	X
25						
Detection						0.001
Standard						
Digestion						
Method						FA/AAS

0.011 mg Au

RESPONSIBLE OFFICER 6/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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Division.....

Phone.....

949326

Code No. 6·2·01 17901
Rack No. _____
Page No. _____
Order No. 6756

RESULT SHEET

TUBE No.	SAMPLE No.		Wt in Grams							
1	SE/E6									
2	6-7		12.98							
3	7-8		13.06							
4	8-9		12.60							
5	9-10		12.19							
6	9-10A		14.54							
7	10-11		11.54							
8	10-11A		12.54							
9	11-12		11.43							
10	11-12A		10.64							
11	12-13		13.26							
12	13-14		7.98							
13	14-15		11.74							
14	15-16		10.80							
15	16-17		12.83							
16	17-18		10.16							
17	18-19		13.08							
18	19-20		12.46							
19	20-21		9.62							
20	21-22		10.69							
21	22-23		14.36							
22	23-24		13.90							
23	24-25		10.52							
24	25-26		12.57							
25	26-27		10.71							
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16/6/81

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

949327

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ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17902

Client: Australian Anglo American Ltd

(1) 581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6755 Date Received 15.4.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/E6/27-28 0-38			1			3			2		Au		RG50	
E7/0-1 8-9														

(3) Number of pages of results:
Date Reported:
Results to: (1) as above (2)
Per: W Lee
Number of Copies: 3

(4) Remarks: 2. Weigh

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

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949328

Code No. 6.2.01.17502
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample	
1	SE	E6	COH	27	28m	x	
2				28	29	x	
3				29	30	x	
4				30	31	0.007	
5				31	32	x	
6				32	33	x	0.007 mg Au
7				33	34	x	
8				34	36	x	
9				36	37	x	
10				37	38	x	
11				0	38	x	
12	SE	E7	COH	0	1	x	
13				1	2	0.072	
14				2	3	0.039	
15				3	4	0.007	0.146 mg Au
16				4	5	0.001	
17				5	6	0.006	
18				6	7	x	
19				7	8	0.001	
20				8	9	x	
21							
22							
23							
24							
25							
Detection						0.001	
Standard							
Digestion							
Method						FAS Total Au	

RESPONSIBLE OFFICER 6/6/91

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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ANALABS

949329

A division of MacDonald Hamilton & Co. Pty. Ltd.
52 Murray Road, Welshpool, W.A. 6106 (Reg. Office)

Phone (09) 458 7999

Division.....

Phone.....

Code No. 6·2 01 17902
Rack No. _____
Page No. _____
Order No. 6755

RESULT SHEET

TUBE No.	SAMPLE No.		Wt in Grams							
1	SE/EL 607									
2	27-28		12·36							
3	28-29		12·40							
4	29-30		11·71							
5	30-31		10·91							
6	31-32		8·28							
7	32-33		9·47							
8	33-34		10·61							
9	34-36		12·45							
10	36-37		9·94							
11	37-38		12·47							
12	0-38		12·81							
13	SE/EL 607 0-1		12·50							
14	1-2		10·96							
15	2-3		9·37							
16	3-4		11·24							
17	4-5		11·46							
18	5-6		12·50							
19	6-7		11·12							
20	7-8		16·09							
21	8-9		14·00							
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

275

ANALABS (AUST.) PTY. LTD.

949330

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SUVA FIJI — Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17903

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6756 Date Received 15.4.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (6) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/E7/9-10 29-30			1			3			2		Au		RG50	

Number of pages of results:
Date Reported:
Results to: (1) as above (2)
Per: W Lee
Number of Copies: 3

(4) Remarks: 2. Weigh

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

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Phone SUVA 361512

949331

Code No. 6-2-01.17502
Rack No. _____
Page No. _____
Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample			
1	26	67	CON.	12	13	X			
2				13	14	X			
3				14	15	X			
4				15	16	X			
5				16	17	X			
6				17	18	X			
7				18	19	X			
8				19	20	X			
9				20	21	X			
10				21	22	X			
11				22	23	X	nil Au		
12				23	24	X			
13				24	25	X			
14				25	26	X			
15				26	27	X			
16				27	28	X			
17				28	29	X			
18				29	30	X			
19									
20									
21									
22									
23									
24									
25									
Detection						0.001			
Standard									
Digestion									
Method						AR			

RESPONSIBLE OFFICER 4-6-1-81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

ANALABS

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Division.....

Phone.....

949332

Code No. 62017903
Rack No. _____
Page No. _____
Order No. 6756

RESULT SHEET

TUBE No.	SAMPLE No.		Wt in grams							
1	2e[27.60									
2	12-13		12·33							
3	13-14		9·06							
4	14-15		10·24							
5	15-16		8·37							
6	16-17		9·32							
7	17-18		23·23							
8	18-19		7·86							
9	19-20		9·15							
10	20-21		9·86							
11	21-22		7·90							
12	22-23		8·31							
13	23-24		7·60							
14	24-26		11·36							
15	26-26		11·60							
16	26-27		10·53							
17	27-28		12·34							
18	28-29		3·06							
19	29-30		11·26							
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER 16/6/81

Results in parts per million unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

278

ANALABS (AUST.) PTY. LTD.

949333

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SUVA FIJI — Phone SUVA 361712

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 17904

(1) Client: Australian Anglo American Ltd
581 Little Collins Street
MELBOURNE VIC 3000

Order No. 6757 Date Received 15.4.81
Reference Results Required
Delivered by Total No. of Samples

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
SE/E7/30-31 0 34			1			3			2		Au		RG50	

Number of pages of results:
Date Reported:
Results to: (1) as above (2)
Per: W Lee
Number of Copies: 3

(4) Remarks: 2. Weigh

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

279

ANALABS

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Phone SUVA 361512

949334

Code No. 6.2.01.17.04
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					ng Au / Sample				
1	SE	E7	COM	30	31	x				
2				31	32	x				
3				32	33	x		nil Au		
4				33	34	x				
5				0	34	x				
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection						0.001				
Standard										
Digestion										
Method						FA/AT				

RESPONSIBLE OFFICER

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

280

ANALABS

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Division.....

Phone.....

949335

Code No. 6-201 17904

Rack No. _____

Page No. _____

Order No. 6757

RESULT SHEET

TUBE No.	SAMPLE No.		WT in grams							
1	Se 27									
2	30-31		8-99							
3	31-32		7-97							
4	32-33		10-76							
5	33-34		9-13							
6	0-34		12-32							
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
Detection										
Standard										
Digestion										
Method										

RESPONSIBLE OFFICER K. J. G. 1/8/87

Results in p[illegible]ise [illegible]ied

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

ANALABS

A DIVISION OF MACDONALD HAMILTON & CO. PTY. LTD.
52 Murray Road, Welshpool, W.A. 6106
Phone (09) 458 7999

231

949336

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18570

Client: Australian Anglo American Ltd

581 Little Collins Street

VIC

Order No. 6766 Date Received 21.5.1981

Reference Results Required

Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES Refer to section (5) for terminology	Average Weight	PRETREATMENT Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
9/E8/0 21		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K.Lee

Number of Copies: 3

Remarks:

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the disposal of your samples.

JOB No. 6.2 01 18570

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

JOB NO 6.2 01 18570

232

949337

SAMPLE NO		WEIGHTS IN GRAMS
SE EB CON	0-1	10.70
	1-2	12.05
	2-3	7.41
SPECK OF GOLD	3-4	11.33
	4-5	12.71
	5-6	10.53
	6-7	10.77
	7-8	12.70
	8-9	11.61
	9-10	9.42
	10-11	8.13
	11-12	9.47
	12-13	13.23
	13-14	8.88
	14-15	11.49
	15-16	10
SORRY		
	15-16	10.81
	16-17	7.56
	17-18	9.01
	18-19	12.11
	19-20	12.26
	20-21	13.50

TELEX MESSAGE

283

ANALABS

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Phone SUVA 361512

949338

Code No. 6.2.01.1&70
Rack No. _____
Page No. _____
Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SE	EF	CON.	0	1 m	X				
2				1	2	0.001				
3				2	3	X				
4	SPECK OF	GOLD		3	4	0.020				
5				4	5	X				
6				5	6	X				
7				6	7	X				
8				7	8	X				
9				8	9	X				
10				9	10	X				
11				10	11	X				
12				11	12	X				
13				12	13	X				
14				13	14	X				
15				14	15	X				
16				15	16	X				
17				16	17	X				
18				17	18	X				
19				18	19	X				
20				19	20	X				
21				20	21	X				
22										
23										
24										
25										
Detection						0.001				
Standard										
Digestion										
Method						AAS				

RESPONSIBLE OFFICER 6/1/84

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
I = element not determined

284

ANALABS

949339

A DIVISION OF MACDONALD HAMILTON & CO. PTY. LTD.
52 Murray Road, Welshpool, W.A. 6106
Phone (09) 458 7999

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18569

Client: Australian Anglo American Ltd

581 Little Collins Street
VIC

Order No. 6767 Date Received 21.5.1981

Reference Results Required

Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
S /E8/21 40		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported:

Results to: (1) as above (2)

Per: Mr W.K.Lee

Number of Copies: 3

Remarks:

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

6.2 01 18569

JOB No.

ATTENTION Please advise us regarding the **disposal** of your **samples**.

- ☐ DISCARD IMMEDIATELY
- ☐ DISCARD AFTER 2 MONTHS
- ☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
- ☐ RETURN TO:

(TICK APPROPRIATE BOX)

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Phone SUVA 361512

949340

Code No. 6.2.01.18569

Rack No. _____

Page No. _____

Order No. _____

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au	Ag	Total	Ln. g.
1	SL	E8	COM	21	22	3.00			5.74
2				22	23	X			9.22
3				23	24	0.003			8.06
4				24	25	X			7.27
5				25	26	X			6.66
6				26	27	X			5.19
7				27	28	X			5.92
8				28	29	X			9.74
9				29	30	X			9.15
10				30	31	0.004			11.06
11				31	32	X			12.77
12				32	33	X			9.94
13				33	34	X			10.94
14				34	35	X			11.08
15				35	36	X			9.29
16				36	37	X			9.84
17				37	38	X			13.43
18				38	39	X			10.65
19				39	40	X			15.83
20			SLTS	0	40	X			11.35
21									
22									
23									
24									
25									
Detection						.001			
Standard									
Digestion									
Method						FA50			

RESPONSIBLE OFFICER .....

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

52 Murray Road, Welshpool, W.A. 6106 Phone (09) 458 7999
[redacted] Street, Kalgoorlie, W.A. 6430 Phone [redacted]

949341

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. L 2 08 271

Client Australian Anglo American Ltd

(1) Ms Ibbotsons Order No. 6776 Date Received 15/6/81

Reference Results Required

Delivered by Total No. of Samples 22

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/a1/0-1/21-22	SO		1								Au	Ro50		
SE/a1/SILTS														

(3) Number of pages of results: 1

Date Reported: 22/6/81

Results to: (1) As Above (2)

Per: Telex, Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemical means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer B Quinn

ANALABS

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Division Coors, Tasmania Phone 316837

049342

Code No. 6208271
Rack No.
Page No. 1
Order No. 6776

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RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)		Ag (ppm) (4 Total mg)		Sample weight (g)		
1	SE	G1	0-1	x		x		1.76		
2			1-2	x		x		8.00		
3			2-3	x		x		9.14		
4			3-4	x		x		11.89		
5			4-5	0.284		3.1		11.10		
6			5-6	x		x		4.55		
7			6-7	7.96		28.5		3.57		
8			7-8	0.154		1.1		7.29		
9			8-9	x		x		11.10		
10			9-10	3.10		14.9		4.80		
11			10-11	26.0		301		11.60		
12			11-12	6.29		44.5		7.07		
13			12-13	x		x		11.21		
14			13-14	0.093		0.2		3.41		
15			14-15	x		x		7.49		
16			15-17	0.461		6.7		14.65		
17			17-18	x		x		12.26		
18			18-19	0.413		4.5		10.93		
19			19-20	0.143		0.5		3.52		
20			20-21	0.098		0.8		8.17		
21			21-22	x		x		4.24		
22		CONEOH	SILTS	x		x		1.25		
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
Detection										
Standard										
Repeat—										
Repeat—										
Method										

RESPONSIBLE OFFICER 22/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

ANALABS

A DIVISION OF MACDONALD HAMILTON & CO. PTY. LTD.
52 Murray Road, Welshpool, W.A. 6106
Phone (09) 458 7999

288

949343

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18568

Client: Australian Anglo American Ltd

581 Little Collins Street — Order No. 6768 — Date Received 21.5.1981

VIC — Reference — Results Required

Delivered by — Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
/G2/0 21		2	1			3					Au		RG50	

(3) Number of pages of results:

Date Reported: as above

Results to: (1) Mr W.K.LEE (2)

Per: 3

Number of Copies:

Remarks:

(5)

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the **disposal** of your **samples.**

JOB No. 6.2 01 18568

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

(PLEASE TICK APPROPRIATE BOX)

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
52 Murray Road, Welshpool, W.A. 6106 — Phone (09) 458 7999
44 Lane Street, Kalgoorlie, W.A. 6430 — Phone (090) 21 1416
15 Traders Way, Mt. Isa, Qld. 4825 — Phone (077) 43 6837
30 Toti Street, Wailada, Suva, Fiji — Phone SUVA 361512

949344

Code No. 6-2-01-18568
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample			
1	SL	62	Con.	0	1	0.002			
2				1	2	0.001			
3				2	3	0.002			
4				3	4	0.001			
5				4	5	0.001			
6	10 SPECKS OF GOLD?			?	?	1.57	↑		
7	1 SPECK OF GOLD?			?	?	x			
8	SL	62	Con.	7	8	0.012			
9				8	9	x			
10				9	10	x	1.609 mg Au		
11				10	11	x			
12				11	12	0.003			
13				12	13	x			
14				13	14	x			
15				14	15	x			
16				15	16	x			
17				16	17	0.007			
18				17	18	x			
19				18	19	x			
20				19	20	0.010			
21				20	21	x			
22									
23									
24									
25									
Detection						0.001			
Standard									
Digestion									
Method						FA/AAS			

RESPONSIBLE OFFICER 6/1/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

290

949345 SD

*
ANMERCO AA30728
ANALAB AA92560
20.7.81

TLX NO 391

ATTENTION SHEILA DOUGLAS

RESULTS FOR JOB NO 6.2 01 18568 ARE AS FOLLOWS:

SAMPLE NO		WEIGHTS IN GRAMS
SE G2 CON	0-1	6.79
	1-2	7.94
	2-3	9.61
	3-4	6.87
	4-5	7.65
10 SPECKS OF GOLD	5-6	8.79
1 SPECK OF GOLD	6-7	11.65
SE G2 CON	7-8	8.34
	8-9	11.98
	9-10	11.16
	10-11	8.27
	11-12	6.66
	12-13	11.73
	13-14	4.72
	14-15	6.92
	15-16	7.85
	16-17	5.34
	17-18	5.61
	18-19	5.32
	19-20	6.77
	20-21	10.13

INCOMING
20 JUL 1981
TELEX
ACTION

TELEX MESSAGE

ANALABS

A DIVISION OF MACDONALD HAMILTON & CO. PTY. LTD.
52 Murray Road, Welshpool, W.A. 6106
Phone (09) 458 7999

291

949346

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 01 18567

Client: Australian Anglo American
581 Little Collins Street
VIC

Order No. 6769 Date Received 21.5.1981
Reference Results Required
Delivered by Total No. of Samples

SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
E/G2/21 46		2	1			3					Au		RG50	

(3) Number of pages of results:
Date Reported: as above
Results to: (1) Mr S.K. Lee (2)
Per: 3
Number of Copies:

Remarks:

STATE OF SAMPLES		ANALYSIS – PREPARATION				ANALYSIS – METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide,	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM						

Authorized Officer

ATTENTION Please advise us regarding the **disposal** of your **samples.**

JOB No. 6.2 01 18567

☐ DISCARD IMMEDIATELY
☐ DISCARD AFTER 2 MONTHS
☐ KEEP UNTIL ADVISED (A STORAGE CHARGE WILL BE MADE)
☐ RETURN TO:

292

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15 Traders Way, Mt. Isa, Qld. 4825
30 Toti Street, Wailada, Suva, Fiji

Phone (09) 458 7999
Phone (090) 21 1416
Phone (077) 43 6837
Phone SUVA 361512

949347

Code No. 6.2.01.1567
Rack No.
Page No.
Order No.

ASSAY RESULT SHEET

TUBE No.	SAMPLE No.					mg Au / Sample				
1	SL	G2	CON	21	22	X				
2				22	23	X				
3				23	24	X				
4				24	25	X				
5				25	26	X				
6				26	27	0.003				
7				27	28	0.003				
8				28	29	X				
9				29	30	X				
10				30	31	X				
11				31	32	X				
12				32	33	X				
13				33	34	0.010				
14				34	35	X				
15				35	36	0.001		0.017 mg Au		
16				36	37	X				
17				37	38	X				
18				38	39	X				
19				39	40	X				
20				40	41	X				
21				41	42	X				
22				42	43	X				
23				43	44	X				
24				44	46	X				
25			EOH Slds	0	46	X				
Detection						0.001				
Standard										
Digestion										
Method						AAS Fire Assay				

RESPONSIBLE OFFICER 6.1.87

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

.293

JOB NO 6.2 01 18567

949348

SAMPLE NO WEIGHTS IN GRAMS

SE G2 CON	21-22	13.03
	22-23	14.11
	23-24	7.72
	24-25	4.62
	25-26	9.00
	26-27	7.74
	27-28	4.04
	28-29	10.92
	29-30	6.70
	30-31	7.31
	31-32	9.67
	32-33	8.48
	33-34	15.66
	34-35	15.02
	35-36	15.22
	36-37	2.82
	37-38	13.05
	38-39	4.72
	39-40	3.05
	40-41	9.15
	41-42	2.34
	42-43	4.26
	43-44	5.48
	44-46	11.20
EON SILTS	0-46	5.70

REGARDS GREG MOORE

*
ANMERCO AA30728.
ANALAB AA92560

TELEX MESSAGE
TELEX MESSAGE
TELEX MESSAGE

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Phone (090) 21 1416

949349

294

ANALABS (AUST.) PTY. LTD.

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 16.2 08 272

Client Australian Anglo American Ltd

(1) Melbourne Order No. 6777 Date Received 15/6/81

Reference Results Required

Delivered by Total No. of Samples 21

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
SE/GS/0-1/21-22	So		1								Au	RcSo		

(3) Number of pages of results: 1

Date Reported: 22/6/81

Results to: (1) As Above (2)

Per: Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorised Officer B. [illegible]

949350

ANALABS

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52 Murray Road, Welshpool, W.A. 6106 (Reg. Office)

Division Coose, Tasmania

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Phone 316837

Code No. 6.208 272
Rack No.
Page No. 1
Order No. 6777

295

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)		Au (Total mg)		Sample weight (g)		
1	SE	43	0-1	x		x		8.60		
2			1-2	x		x		6.61		
3			2-3	0.029		0.3		9.26		
4			3-4	x		x		6.36		
5			4-5	0.030		0.3		8.93		
6			5-6	1.26		10.6		8.46		
7			6-7	20.7		204		9.83		
8			7-8	32.8		310		9.43		
9			8-9	x		x		2.79		
10			9-10	x		x		10.77		
11			10-11	0.166		1.2		7.49		
12			11-12	0.095		0.7		7.59		
13			12-13	0.027		0.3		11.05		
14			13-14	0.637		3.2		5.11		
15			14-16	0.815		4.0		4.91		
16			16-17	0.583		5.6		9.60		
17			17-18	0.125		1.2		9.47		
18			18-19	0.128		0.3		1.96		
19			19-20	0.081		1.3		15.78		
20			20-21	0.016		0.3		15.46		
21	SE	43	21-22	1.66		14.5		8.76		
22										
23										
24										
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39										
40										
Detection										
Standard										
Repeat–										
Repeat–										
Method										

RESPONSIBLE OFFICER 15 6 81
22 / 6 / 81

Results given unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

949351

52 Murray Road, Welshpool, W.A. 6106
44 Lane Street, Kalgoorlie, W.A. 6430

Phone (09) 458 [illegible]
Phone (090) 21 1416

AMDEL [illegible] PTY. LTD.

296

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 08 273

Client Australian Anglo American Ltd

(1) Ms Warne

Order No. 6778 Date Received 15/6/81

Reference Results Required

Delivered by Total No. of Samples 13

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/GS/22-23/33-34	SO		1								Au	R450		
SE/GS/0-34														

(3) Number of pages of results: 1

Date Reported: 22/6/81

Results to: (1) As Above (2)

Per: Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer B. Bo[illegible]

ANALABS

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Division Cooee, Tasmania

Phone 316837

940352 1

Code No. 6.208 273
Rack No.
Page No. 1
Order No. 6778

297

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)	Au (Total ng)	Sample weight (g)
1	SE	G3	22-23	0.020	0.3	13.88
2			23-24	2.21	28.1	12.71
3			24-25	0.021	0.3	12.60
4			25-26	0.431	3.1	7.89
5			26-27	0.015	0.3	16.50
6			27-28	x	x	3.45
7			28-29	7.27	63.5	8.73
8			29-30	0.046	0.5	11.34
9			30-31	0.280	2.4	8.75
10			31-32	2.08	16.4	7.87
11			32-33	0.041	0.6	13.81
12			33-34	0.104	0.6	5.76
13		CONEDH	SILTS	0.816	14.7	17.96
14						
15						
16						
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23						
24						
25						
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40						
Detection						
Standard						
Repeat–						
Repeat–						
Method						

RESPONSIBLE OFFICER B Lowe 22/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

949353

52 Murray Road, Welshpool, W.A. 6106 — Phone (09) 458 7999
44 Lane Street, Kalgoorlie, W.A. 6430 — Phone (090) 21 1416

293

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 08 268

Client: Australian Anglo American Ltd

(1) Melbourne — Order No. 6773 — Date Received 15/6/81

Reference — Results Required

Delivered by — Total No. of Samples 15

(2) SAMPLE NUMBERS	STATE OF SAMPLES (Refer to section (5) for terminology)	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS (Refer to section (5) for terminology)	Preparation	Method	Coefficient of variation (%)
SE/64/12-13/24-25	So		1								Au	RuSo		
SE/64/15-20														
SE/64/CONFDH SILTS														

(3) Number of pages of results: 1

Date Reported: 19/6/81

Results to: (1) As Above (2)

Per: Telex, Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer B Dow

949354

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52 Murray Road, Welshpool, W.A. 6106 (Reg. Office)

Phone (09) 458 7999

Division Cooee, Tasmania

Phone 316837

Code No. 6.2 08 268
Rack No.
Page No. 1
Order No. 6773

299

RESULT SHEET

TUBE No.	SAMPLE No.			Au (ppm)	Au (Total mg)	Sample weight (g)
1	SE	C4	12-13	x	x	8.76
2			13-14	x	x	0.76
3			14-15	x	x	1.57
4			15-16	x	x	16.30
5			16-17	x	x	1.40
6			17-18	x	x	13.56
7			18-19	x	x	12.96
8			19-20	x	x	1.74
9			20-21.5	x	x	2.53
10			21.5-22	x	x	13.26
11			22-23	x	x	1.81
12			23-24	0.314	0.7	2.41
13			24-25	x	x	12.05
14			15-20	x	x	9.83
15		CONEOH	SILTS	x	x	0.95
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
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Detection						
Standard						
Repeat—						
Repeat—						
Method				AAS0		

RESPONSIBLE OFFICER B Bowen 19/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

949355

52 Murray Road, Welshpool, W.A. 6106
44 Lane Street, Kalgoorlie, W.A. 6430

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Phone (090) 21 1416

[redacted] LABORATORIES (AUST.) PTY. LTD.

300

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 1.2 08 266

Client Australian Anglo American Ltd

(1) Melbourne Order No. 6771 Date Received 15/6/81

Reference Results Required

Delivered by Total No. of Samples 21

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/H1/0-1	SO		1								Au	RaSo		
SE/H1/9-10														
SE/H1/0-10														
SE/H2/0-1														
SE/H2/8-9														
SE/H2/0-9														

(3) Number of pages of results: 1

Date Reported: 19/6/81

Results to: (1) As Above (2)

Per: Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer B. Dora

ANALABS

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52 Murray Road, Welshpool, W.A. 6106 (Reg. Office)

Phone (09) 458 7999

Division Cooee, Tasmania

Phone 316837

9193561

Code No. 6.2 08 26L

Rack No.

Page No. 1

Order No. 6771

301

RESULT SHEET

TUBE No.	SAMPLE No.			Au (ppm)	Au (total mg)	Sample wt (g)		
1	SE	H1	0-1	25.1	380	15.06		
2			1-2	129	635	4.92		
3			2-3	0.110	1.2	11.01		
4			3-4	0.037	0.6	14.90		
5			4-5	0.023	0.3	13.32		
6			5-6	x	x	2.43		
7			6-7	x	x	6.16		
8			7-8	x	x	15.13		
9			8-9	x	x	15.52		
10			9-10	x	x	3.06		
11		CON EOH	SILTS	x	x	12.69		
12	SE	H2	0-1	0.132	1.6	12.23		
13			1-2	x	x	11.16		
14			2-3	x	x	3.87		
15			3-4	x	x	4.37		
16			4-5	0.206	3.6	17.68		
17			5-6	x	x	3.86		
18			6-7	x	x	4.52		
19			7-8	x	x	4.03		
20			8-9	x	x	10.06		
21		CON EOH	SILTS	x	x	1.10		
22								
23								
24								
25								
26								
27								
28								
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36								
37								
38								
39								
40								
Detection								
Standard								
Repeat–								
Repeat–								
Method				AL SO				

RESPONSIBLE OFFICER 19/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

949357

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[redacted] LABORATORIES (AUST.) PTY. LTD.

302

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. L.2 08 267

Client: Australian Anglo American Ltd

(1) Melbourne — Order No. 6772 — Date Received 15/6/81

Reference — Results Required

Delivered by — Total No. of Samples 20

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/H3/0-1/6-7	SO		1								Au	RA 50		
SE/H3/0-7														
SE/GA/0-1/11-12														

(3) Number of pages of results: 1

Date Reported: 19/6/81

Results to: (1) As Above — (2)

Per: Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer: [redacted]

ANALABS

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Division Coles, Tasmania

Phone 316837

Code No. 6.208267
Rack No.
Page No. 2
Order No. 6772

303

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)	Au (Total mg)	wt. Sample (g)	
1	SE	H3	0-1	7.09	22	3.11	
2			1-2	0.754	9.5	12.62	
3			2-3	x	x	13.32	
4			3-4	x	x	12.85	
5			4-5	x	x	11.24	
6			5-6	1.66	4.2	2.56	
7			6-7	x	x	3.30	
8		CONEDH	SILTS	x	x	9.23	
9	SE	G4	0-1	x	x	11.42	
10			1-2	x	x	8.26	
11			2-3	x	x	1.22	
12			3-4	x	x	9.18	
13			4-5	0.054	0.8	14.96	
14			5-6	12.4	57	4.65	
15			6-7	x	x	5.92	
16			7-8	0.020	0.3	13.22	
17			8-9	x	x	2.70	
18			9-10	4.47	8.0	1.80	
19			10-11	x	x	1.30	
20			11-12	x	x	12.58	
21							
22							
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Detection							
Standard							
Repeat–							
Repeat–							
Method							

RESPONSIBLE OFFICER B Rowe 19/6/81

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

949359

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304

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. L 2 08 269

Client Australian Anglo American Ltd

(1) Melbourne Order No. 6774 Date Received 15/6/81

Reference Results Required

Delivered by Total No. of Samples 19

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/I3/0-1/5-6	SO		1								Au	R450		
SE/I3/CONFDN SLTS														
SE/I4/0-1/10-11														
SE/I3/CONFDN SLTS														

(3) Number of pages of results: 1

Date Reported:

Results to: (1) As Above (2)

Per: Telex, Mail

Number of Copies: 3

(4) Remarks:

(5)

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer

ANALABS

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Division Coose, Tasmania

Phone 316837

Code No. 6.2 08 269
Rack No.
Page No. 1
Order No. 6774

305

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)	Au (Total ng)		Sample weight (g)	
1	SE	I3	0-1	x	x		1.66	
2			1-2	x	x		1.57	
3			2-3	0.147	0.3		1.96	
4			3-4	0.284	4.0		14.17	
5			4-5	0.162	1.9		11.88	
6			5-6	x	x		1.30	
7		CONEDH	SILTS	x	x		4.21	
8	SE	I4	0-1	1.01	15		14.86	
9			1-2	0.071	0.8		11.43	
10			2-3	0.310	3.7		11.87	
11			3-4	199	980		4.91	
12			4-5	x	x		26.47	
13			5-6	x	x		4.43	
14			6-7	0.504	5.6	1,155.8 ng	11.20	
15			7-8	0.103	1.6		15.31	
16			8-9	6.20	115		18.54	
17			9-10	0.206	1.1		5.15	
18			10-11	0.098	1.0		10.26	
19		CONEDH	SILTS	2.39	32		13.34	
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Detection								
Standard								
Repeat–								
Repeat–								
Method								

RESPONSIBLE OFFICER 13/6/81

Results in ppm Unless Otherwise Specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

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949361

306

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 6.2 08 270

Client Australian Anglo American Ltd

(1) Melbourne — Order No. 6775 — Date Received 15/6/81

Reference — Results Required

Delivered by — Total No. of Samples 16

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/IS/0-1/4-5	So		1								Au	RaSo		
SE/IS/EDH SILTS														
SE/I6/0-1/8-9														
I6/SILTS														

(3) Number of pages of results: 1

Date Reported: 19/6/81

Results to: (1) As Above (2)

Per: Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Authorized Officer [signature]

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Division Cooee, Tasmania

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949362

Code No. 6.208270
Rack No.
Page No. 1
Order No. 6775

307

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)		Au (Total mg)		Sample wt (g)		
1	SE	I5	0-1	3.86		42.9		11.12		
2			1-2	0.118		1.4		11.58		
3			2-3	51.5		395	520.5	7.68		
4			3-4	3.22		48.2		14.93		
5			4-5	1.10		12.8		11.63		
6		CON EDH	SILTS	0.053		0.2		4.67		
7	SE	I6	0-1	x		x		1.97		
8			1-2	0.492		6.4		13.06		
9			2-3	x		x		1.30		
10			3-4	0.019		0.3		14.94		
11			4-5	0.065		0.6	7.3	8.88		
12			5-6	x		x	mg	13.69		
13			6-7	x		x		11.37		
14			7-8	x		x		13.07		
15			8-9	x		x		3.99		
16		CON EDH	SILTS	x		x		3.45		
17										
18										
19										
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Detection										
Standard										
Repeat–										
Repeat–										
Method										

RESPONSIBLE OFFICER 19/6/84

Results in ppm unless otherwise specified.
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

[redacted]

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949363

[redacted] (AUST.) PTY. LTD.

308

ANALYTICAL REPORT

This report must be read in conjunction with the results given for JOB No. 62 08 301

Client Australian Anglo American Ltd

(1) Melbourne Order No. 6781 Date Received 23/6/81

Reference 2421 Results Required

Delivered by Total No. of Samples 11

(2) SAMPLE NUMBERS	STATE OF SAMPLES: Refer to section (5) for terminology	Average Weight	PRETREATMENT: Dry	Crush	Split	Pulverize	Sieve	Evaporate	Other (see remarks)	None	ANALYSIS: Refer to section (5) for terminology	Preparation	Method	Coefficient of variation (%)
SE/J5/0-1/3-4	SO		1			2					Au	RaSo		
EOH SILTS														
SE/J6/0-1/4-5														
EOH EOH SILTS														

(3) Number of pages of results: 1

Date Reported: 24/6/81

Results to: (1) As Above (2)

Per: Telex, Mail

Number of Copies: 3

(4) Remarks:

(5) STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorption	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC

Officer [redacted]

949364

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Code No. 6 2 08 301
Rack No.
Page No. 1
Order No. 6781

309

RESULT SHEET

TUBE No.	SAMPLE No.			Au(ppm)		Au(mg)		Sample weight(g)	
1	SE	JS	0-1	x		x		11.36	
2			1-2	x		x		5.53	
3			2-3	x		x		8.88	
4			3-4	x		x		4.99	
5		CON EDH	SILTS	x		x		12.37	
6	SE	JS	0-1	x		x		4.13	
7			1-2	x		x		12.94	
8			2-3	x		x		9.44	
9			3-4	x		x		9.44	
10			4-5	x		x		4.95	
11		CON EDH	SILTS	x		x		17.55	
12									
13									
14									
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Detection									
Standard									
Repeat–									
Repeat–									
Method									

RESPONSIBLE OFFICER 24.6.81

Result in ppm Unless Otherwise Specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined