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TCR 81-1546

aac

PROJECT NAME:

SOUTH ESK

TITLE:

PROGRESS REPORT TO DEPARTMENT OF MINES

SEPTEMBER 1980 THROUGH FEBRUARY 1981

EXPLORATION LICENCE 22/80 TASMANIA

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

COMMODITY/IES: Gold

TEXT PAGES NO: 5

PLAN NOS: TAS-9-4, 5, 7, 8, 9, 10, 11, 12, 13, 14

TABLE NOS: -

APPENDICES: APPENDICES III

AUTHOR/S: B. McBride

DATE: 31st March 1981

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

001

979002

SOUTH ESK

PROGRESS REPORT TO DEPARTMENT OF MINES

SEPTEMBER 1980 THROUGH FEBRUARY 1981

EXPLORATION LICENCE 22/80 TASMANIA

1. INTRODUCTION

The Exploration Licence was applied for so that the gold content of the alluvials in the South Esk River valley could be determined. A photogeological study with ground verification was carried out by the company Photogeologist. This was followed by geological reconnaissance of the valley to more precisely determine the extent of basalt/dolerite noted in the valley. A number of ground magnetic traverses were completed but in reality were of very little help in aiding a possible definition of the alluvium obscured basalt/dolerite. Five fences of holes were laid out for drill sample testing of the alluvials. Drilling commenced on 1st January 1981 and to the end of February 1981, 18 holes of the proposed 41 hole programme had been completed.

2. TENEMENT

Exploration Licence 22/80 was granted to 28th February 1981 to Australian Anglo American Services Limited, nominee of Australian Anglo American Searches Proprietary Limited.

It encompasses 259 square kilometres of land in the Land District of Cornwall, vicinity of Fingal.

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

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.

3. ENVIRONMENT

Communications were established with the manager/occupier of the two properties involved - Anthony McKenzie of Evercreech in the north and Malcolm Cleeland of Malahide in the south. Permission to enter the properties was obtained and the nature of the envisaged work programme was explained. It was agreed that the relevant property manager would be kept informed of progress; that reasonable restrictions placed on areas to be nominated by the property manager from time to time for the protection of livestock or crops

...2.

would be abided by; that landsurface disturbed necessarily for sampling purposes, e.g. drilling, would be restored; and that compensation would be paid for any necessary inconvenience caused. Letters were exchanged confirming the agreement reached.

4. WORK ACCOMPLISHED

1. A photogeological interpretation was completed by F.M. Gaunt. His report "Notes to Accompany the Photo-geological Map of the South Esk River Valley Area EL 22/80" is attached as Appendix I.

2. Ground magnetic traversing, using a Geometrics G-816/826A Proton Magnetometer, was conducted along eight (8) lines totalling 14,720 metres with stations 25m apart, positioned with compass and tape survey. Details of the traverses are included as Appendix II, and profiles are included as plans TAS-9-7 and TAS-9-8.

3. A sampling programme of 41 holes was proposed. These were laid out along five lines at, generally, 400 metre spacings, using compass, tape and abney level survey. See plan TAS-9-9.

4. H.J. Stacpoole of Launceston was engaged to conduct the drilling using a Gemco model 210B rig. This was the only locally available machine that was considered to be acceptable. Drilling methods, drill cuttings confinement and retrieval were discussed with H.J. Stackpoole and it was concluded that with careful operation, flexibility, and close co-operation the rig would suffice for the initial phase of alluvial sampling.

5. Drilling commenced on 8th January 1981 and by end February 18 holes had been completed viz., A1, A2, A3; B1, B2, B4, B5; C1, C2, C3, C4, C5; D1, D2, D3; E1, E2, E3.

   Geological logs of the holes are included as Appendix III. Details of any hole offsets, for whatever reason, from the original pegged position are included on the logs. The logs also include sample details.

   Plans TAS-9-10 through 14 are geological sections of drilllines A, B, C, D and E respectively. It should be noted that the drill-lines have not yet been tied together by survey and thus the levels shown on individual geological sections refer only to that section.

...3.

5. DRILLING METHOD

Holes were commenced with a 65mm tri-cone steel bit to one metre depth. A 90mm diameter (external) casing with a diamond impregnated reaming shoe (91mm external diameter 75mm internal diameter) was then drilled into the ground. Material inside the casing was flushed out with water and collected in a settling tank. The process was repeated for every one metre advance, except in cases when a change in the nature of the ground was observed the drilling interval was varied accordingly. When bedrock was indicated to have been encountered drill tools were changed and half to one metre of core obtained as confirmation. Termination of a hole was a geological decision.

Whenever possible a small sample representative of each drilling advance including the bedrock core has been collected and retained for future reference.

6. SAMPLING PROCEDURE

All materials flushed out of the hole during drilling advance and at completion of the hole were collected in one compartment of a two compartment settling tank. Finer sands and silts overflowed into the second settling compartment. Excess water from the second compartment was recirculated into the hole.

Upon completion of a drilling advance and at completion of the holes the solids collected in the whole tank were allowed to settle prior to draining off the supernatant water and some slimes. The solids were transferred to a measuring bucket for both volume and weight determination. Hand puddling was followed by screening at 20 mesh size. Both the plus and minus 20 mesh fractions were to be weighed and the weights recorded.

The plus 20 mesh fraction was to be examined in the field for free gold grains and other heavy minerals of economic interest. No +20 mesh fraction has been recovered to date.

The minus 20 mesh fraction was hand panned to produce a concentrate of weight approximately 10-30 grammes. Gold grains recovered in the concentrate are noted as colours on the borelog.

7. ASSAY AND EVALUATION

The concentrates from all the individual sections of holes were sent to ANALABS, Perth, for weighing and determination of total gold content by normal fire assay. The gold results, initially expressed as ppm and later as milligrammes were translated into mg/cu. m for each individual section, and the complete hole, using the theoretical pipe volume as the basis for this calucation.

8. RESULTS ACHIEVED

Colours of gold were noted in the panned concentrates and are recorded on the drill logs of 9 of the 18 holes completed to the end of February 1981.

Assay results were received during March for samples from the following holes:-

C1, C2, C3, C4, C5; D1, D2, D3; E1.

Copies of the Laboratory result sheets are included in the monthly progress reports.

Examination of the results shows that hole C5 contains the highest values with 1.62 and 1.32 mg Au recorded in the bottom depth sections of 5-6 and 6-7m respectively. These two values are equivalent to 300 and 244 mg Au/cu m. Other sectional samples in the same hole contain gold weights ranging from nil to 0.13 mg i.e. 0-24 mg Au/cu. m. The total hole is evaluated at 85 mg Au/cu m to bedrock depth of 7m.

Samples from holes C4 and D2 returned 0.62 and 0.55 mg Au from sectional depths of 4-5m, i.e. equivalent to 115 and 102 mg Au/cu m respectively. Samples from the other six (6) holes returned poor results.

A summary of the depth and caluclated grade of the nine (9) assayed holes to date is as follows:-

Borehole No.	Depth (m)	Grade (mg Au/cu m)
C1	6	tr*
C2	16	tr*
C3	11	1
C4	6	20
C5	7	85
D1	5	1
D2	30	5
D3	11	1
E1	13	tr*

Note: the figures here refer to the final depth of drilling for the holes at which the last pan concentrate sample was taken. They may not necessarily be related to the depth or thickness of alluvium.

* Calculated grades less than 0.5 mg Au/cu m are assigned a trace (tr) value.

...5.

It should be noted that the Gemco model 210B rig being used at present is not considered to be an ideal evaluation tool. However, it is acceptable for a scout sampling programme to determine probable volume of alluvials present and whether or not they contain gold. "Calculated grades" listed above are based on a theoretical sample volume and are not acceptable as such. They are qualitative rather than quantitative.

The geology as determined from the drill samples is shown on the cross-sections and is described on the hole logs. Any discussion of the alluvials would be premature as no complete section of the valley has been drilled to date.

However, results to hand to date do indicate the presence of a large volume of auriferous alluvials which need to be evaluated in far more detail than has been achieved to date.

9. FOREWARD PROGRAMME

Additional lines of holes will be positioned between Line D and Fingal to give a line spacing of about two kilometres. Holes will continue to be drilled at 400m intervals to determine probable gold distribution and grade order of magnitude, depth and type of alluvium, and probable bedrock contours.

It is recognised that a different type of sampling tool i.e. drilling rig or rigs will then be necessary to proceed with evaluation drilling. Maybe two types of rigs will be necessary - firstly a "reverse circulation" type rig for "scout" drilling and secondly a larger diameter "banka" type rig for evaluation sampling.

B. McBride
Chief Divisional Geologist

Approved by

R. J. Kernick
EXPLORATION MANAGER

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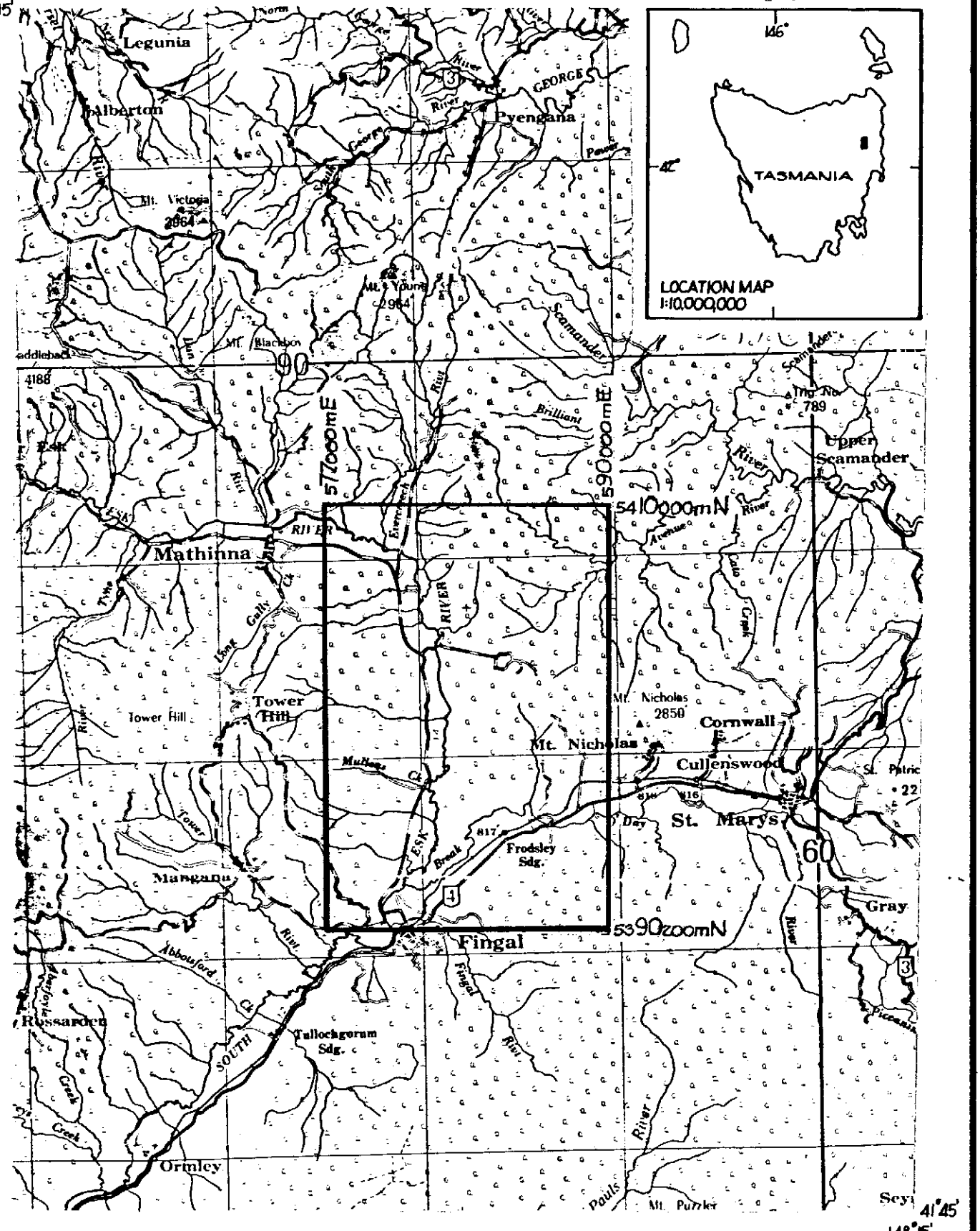
979007



0 5 10 15Km

5 cm

AUSTRALIAN ANGLO AMERICAN LIMITED

SOUTH ESK PROJECT
EL 22/80 - TASMANIA

LOCATION MAP

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

AUSTRALIAN ANGLO AMERICAN LTD	
PROJECT	GOLD ALLUVIALS RATS
AREA	SOUTH ESK, TAS. EL 22/80
DATA	PHOTOGEOLOGICAL INTERPRETATION GEOLOGICAL MAPPING AND MAGNETIC TRAVERSES (black & white aerial photography - F596, 1979 - uncont' mosaic)
COMPILED	JMG + SDM 10/80
DRAWN	JMG 10/80
AMENDED	January 1981
SCALE	~ 1 : 42.000
REF No	TAS - 9 - 5

81-1546

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N

STATE FOREST

to MATHINNA

OVERREACH

SOUTH ESK dissected floodplain

RIVER

Line B

thin cover over M

pipes

SPEERS ROAD

to LAUNCESTON

SMALAHIDE

FINGAL

Scored area

BREAK O' DAY RIVER

TO ST MARYS

R14

R15

R16

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
PALAEOZOIC – 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

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

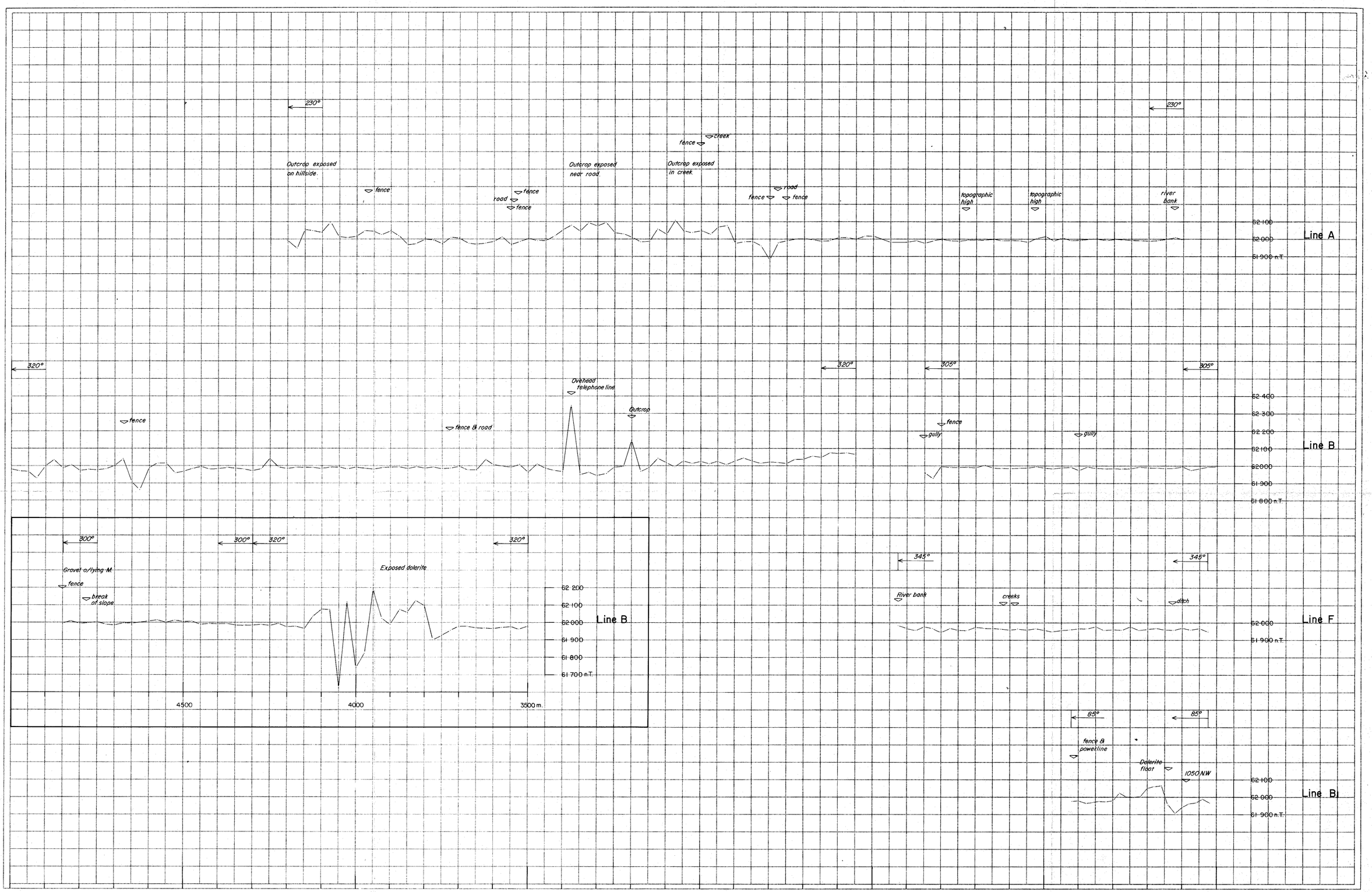
SCALE

0 1 2 3 kms

5 cm

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

4118



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4119

5 cm

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

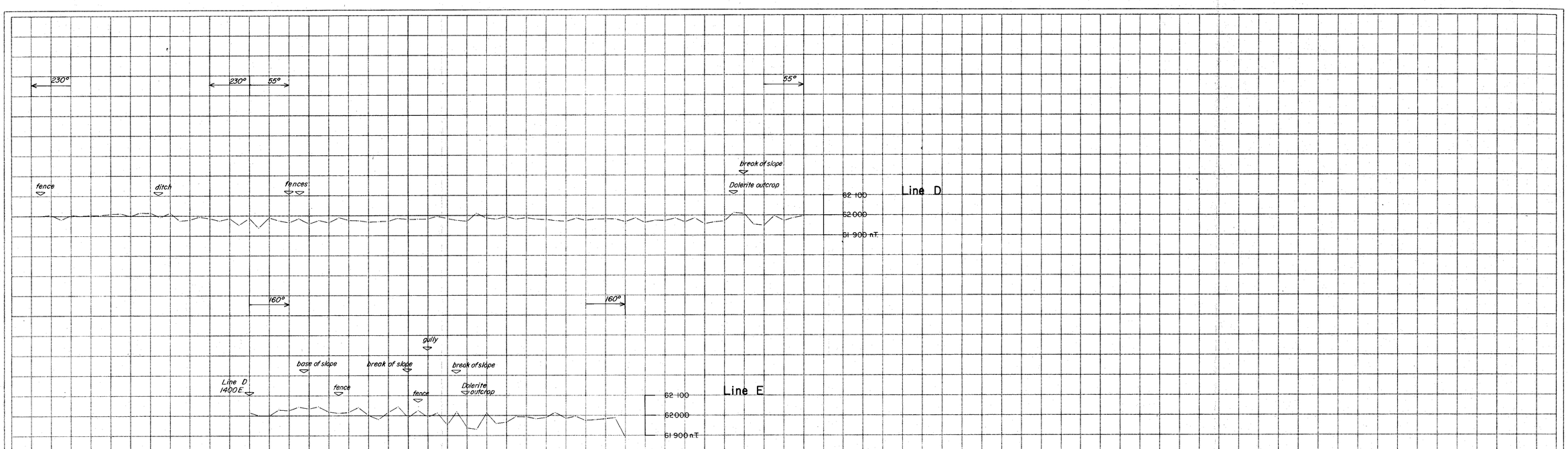
SOUTH ESK, E.L. 22/80

MAGNETIC PROFILES

LINES A, B, B1, & F.

DRAWN	L.L.
DATE	Jan. 1981
COMPILED	S.M.D
SCALE	½ 2cm. : 100m
	TAS - 9 - 7

81-1546



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AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

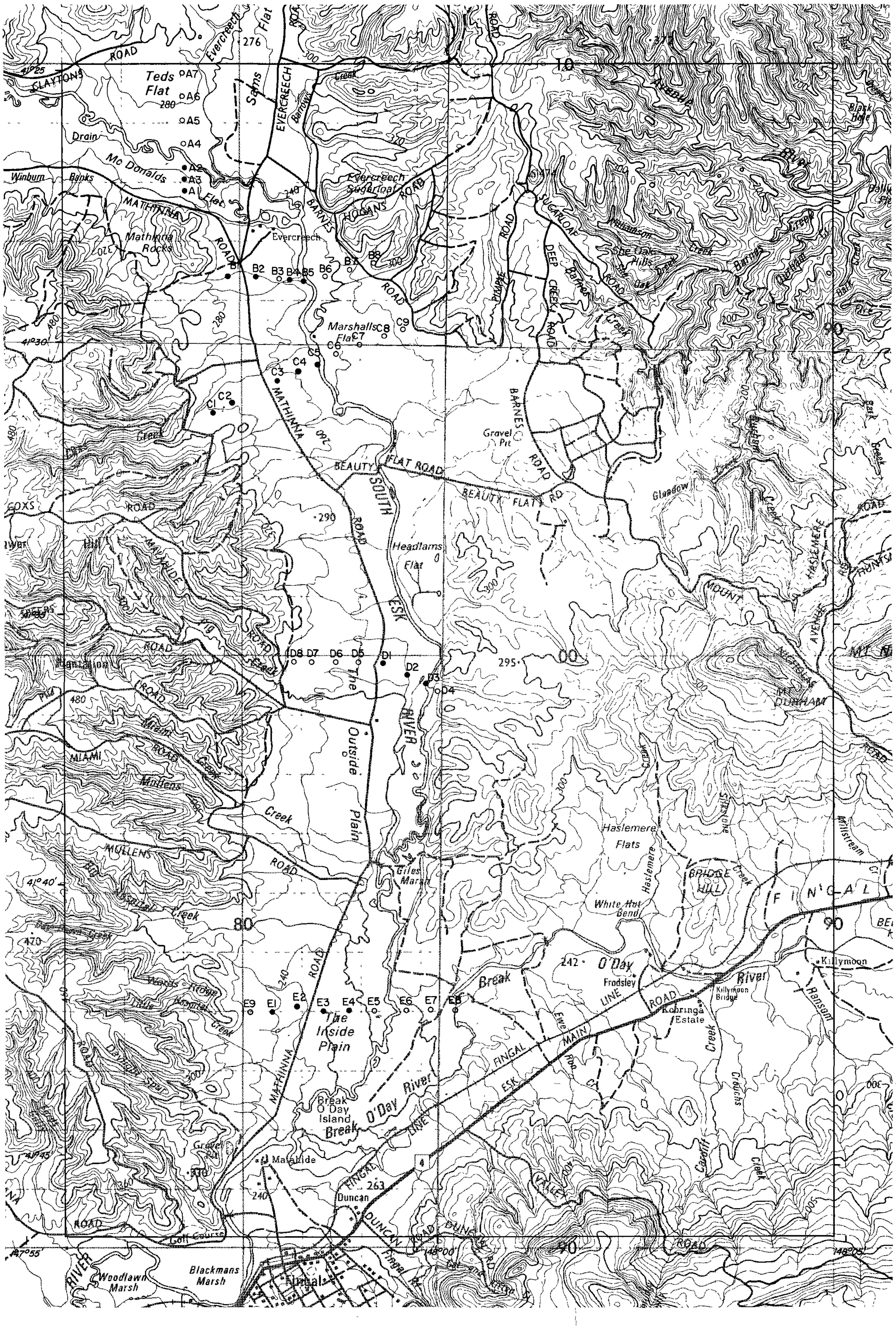
SOUTH ESK, E.L. 22/80

MAGNETIC PROFILES

LINES D,E,G & H.

81-1546

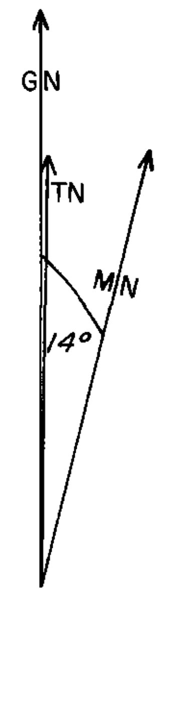
DRAWN	L.L.
DATE	Jan. 1981
COMPILED	S.M.D
SCALE	H, 2cm. = 100m.
	TAS. – 9 – 8

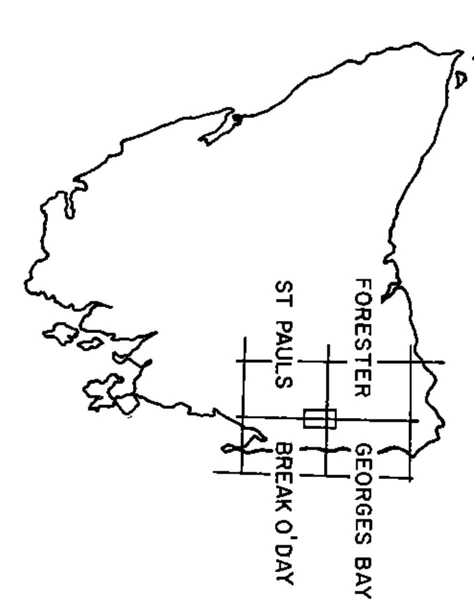


○A1 *Proposed drillhole location and number*

●B1 *Completed drillhole location and number.*

5 cm





1:100 000 Sheet index.

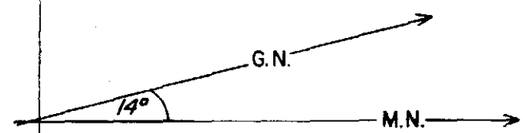
979011

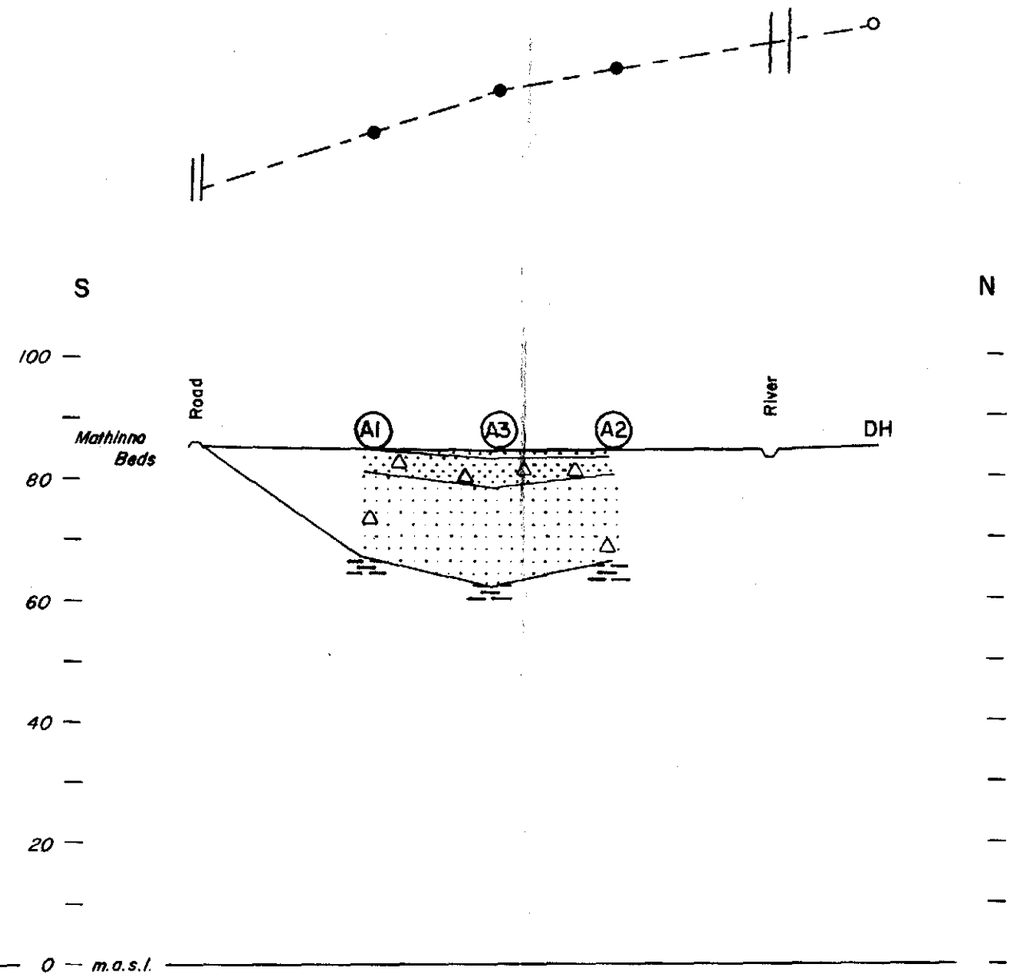
AUSTRALIAN ANGLO AMERICAN LTD			
PROJECT	EXLORATION LICENCE 22/80		
AREA	SOUTH ESK, TASMANIA.		
DATA	DRILLHOLE LOCATIONS RESEARCH & TECHNICAL SERVICES DIVISION		
COMPILED	S.M Douglas	SCALE	1 : 50000
DRAWN	LL Feb. 1981	REF No	TAS-9-9
AMENDED			

81-1546

4121

007





Clay.

Sandy clay.

Sand

Sand & gravels.

Gravels.

Conglomerate.

Coal fragments.

Shale.

Dolerite.

(A5) Completed drillhole to Feb. 28, 1981.

5 cm

Scale, H. 1cm. = 100m. (1:10 000)
V. 1cm. = 10m. (1: 1 000)

Vertical exageration = 10

979012

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

SOUTH ESK, EL 22/80

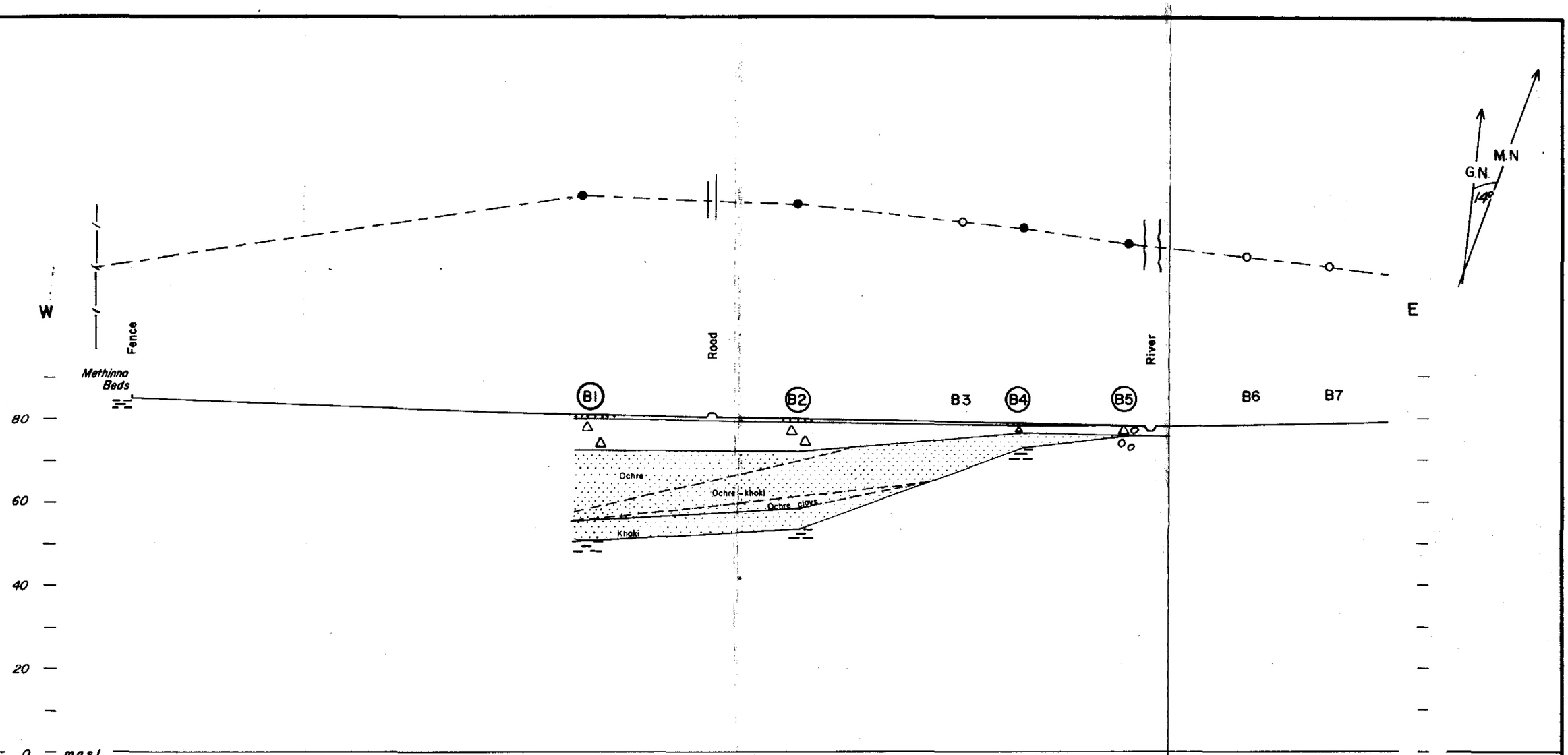
TASMANIA

CROSS SECTION

DRILL LINE A

COMPILED	DRAWN	SCALE
S.M.D.		

008



Clay.

Sandy clay.

Sand.

Sand & gravels.

Gravels.

Conglomerate.

Coal fragments.

Shale.

Dolerite.

(A5) Completed drillhole to Feb. 28, 1981.

5 cm

Scale, H. 1cm. = 100m. (1:10 000)
V. 1cm. = 10m. (1: 1 000)

Vertical exageration = 10

979013

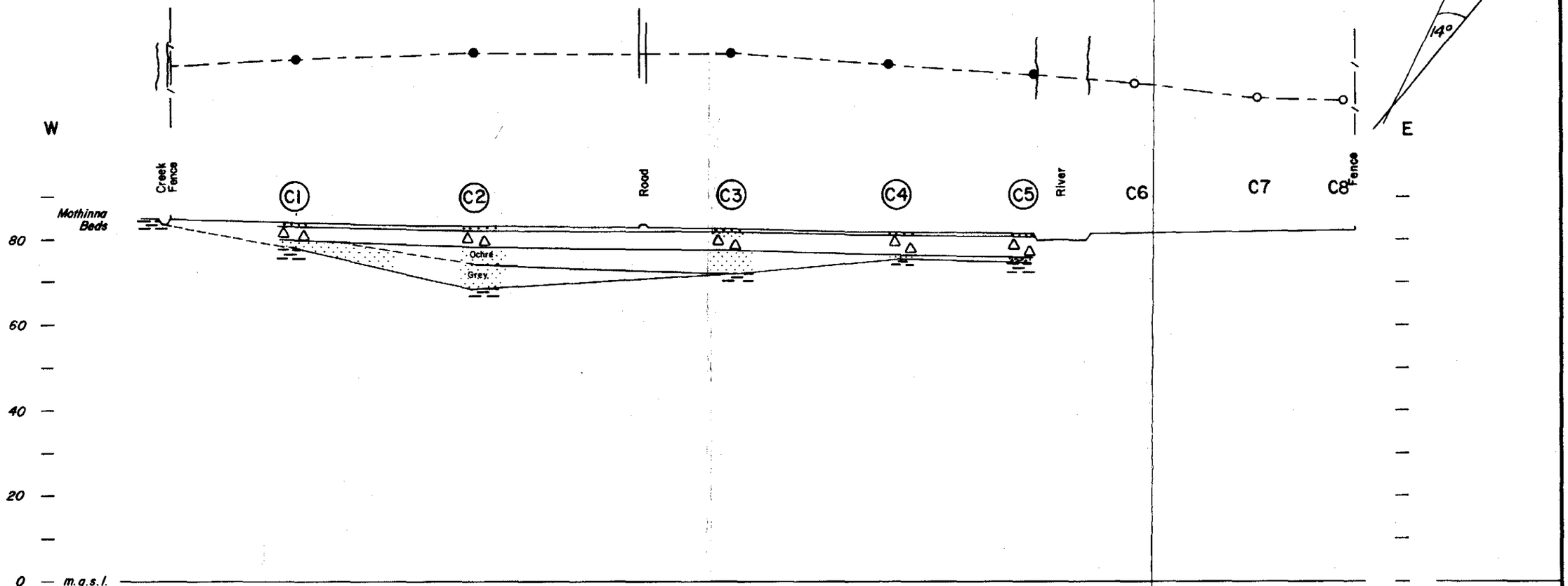
AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION
SOUTH ESK, EL 22/80
TASMANIA

CROSS SECTION
DRILL LINE B

COMPILED	DRAWN	SCALE	
S.M.D.	L.J. March 1981	As shown	TAS – 9 – 11

009



Clay.

Sandy clay.

Sand.

Sand & gravels.

Gravels.

Conglomerate.

Coal fragments.

Shale.

Dolerite.

A5 Completed drillhole to Feb. 28, 1981.

5 cm

Scale, H. 1cm. = 100m. (1:10 000)
V. 1cm. = 10m. (1: 1 000)

Vertical exageration = 10

979014

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

SOUTH ESK, EL 22/80

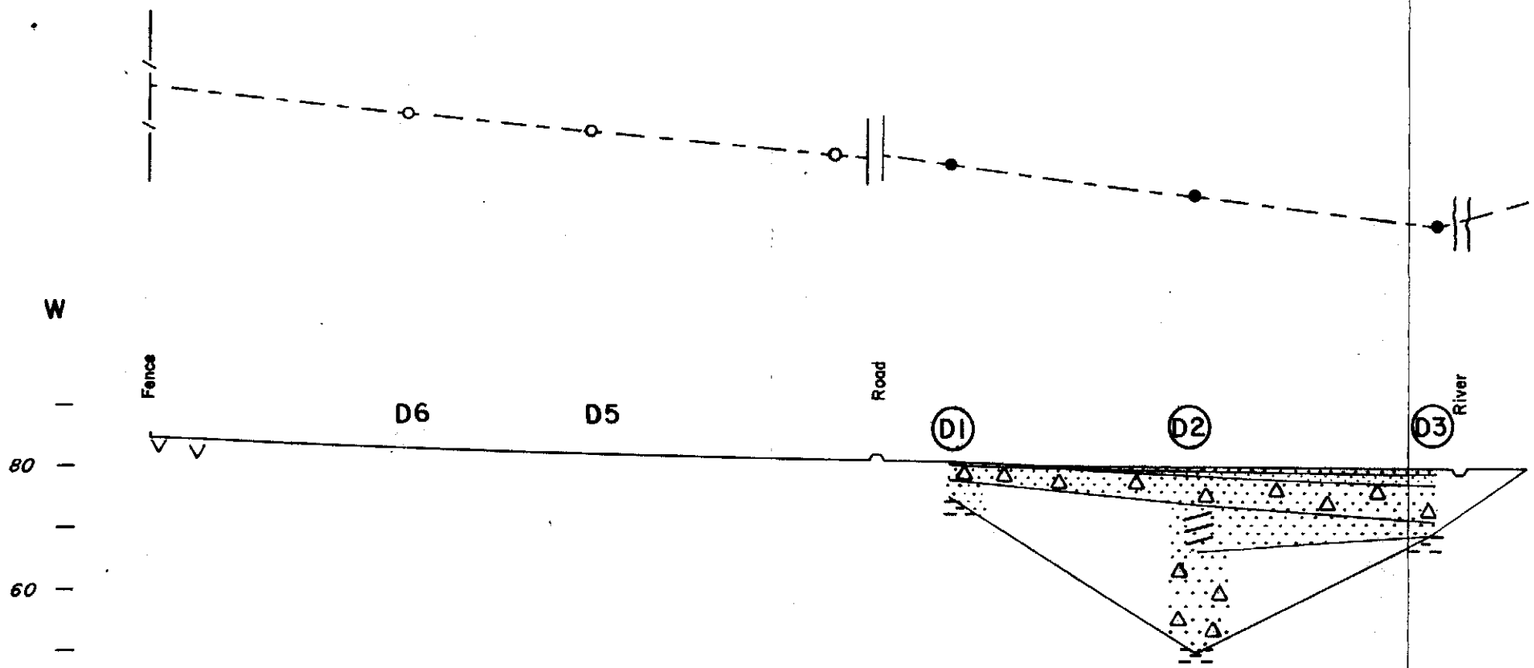
TASMANIA

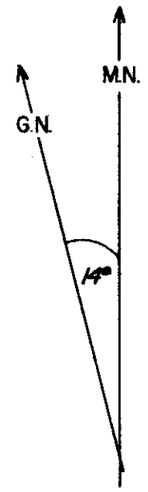
CROSS SECTION

DRILL LINE C

COMPILED	DRAWN	SCALE	TAS – 9 – 12
M.D.	J.L.M. 11/81	As shown	

010





5 cm

Scale, H. 1cm. = 100m. (1:10 000)
V. 1cm. = 10m. (1: 1 000)

Vertical exageration = 10

Clay.

Sandy clay.

Sand

Sand & gravels.

Gravels.

Conglomerate.

Coal fragments.

Shale.

Dolerite.

(A5) Completed drillhole to Feb. 28, 1981.

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AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION

SOUTH ESK, EL 22/80

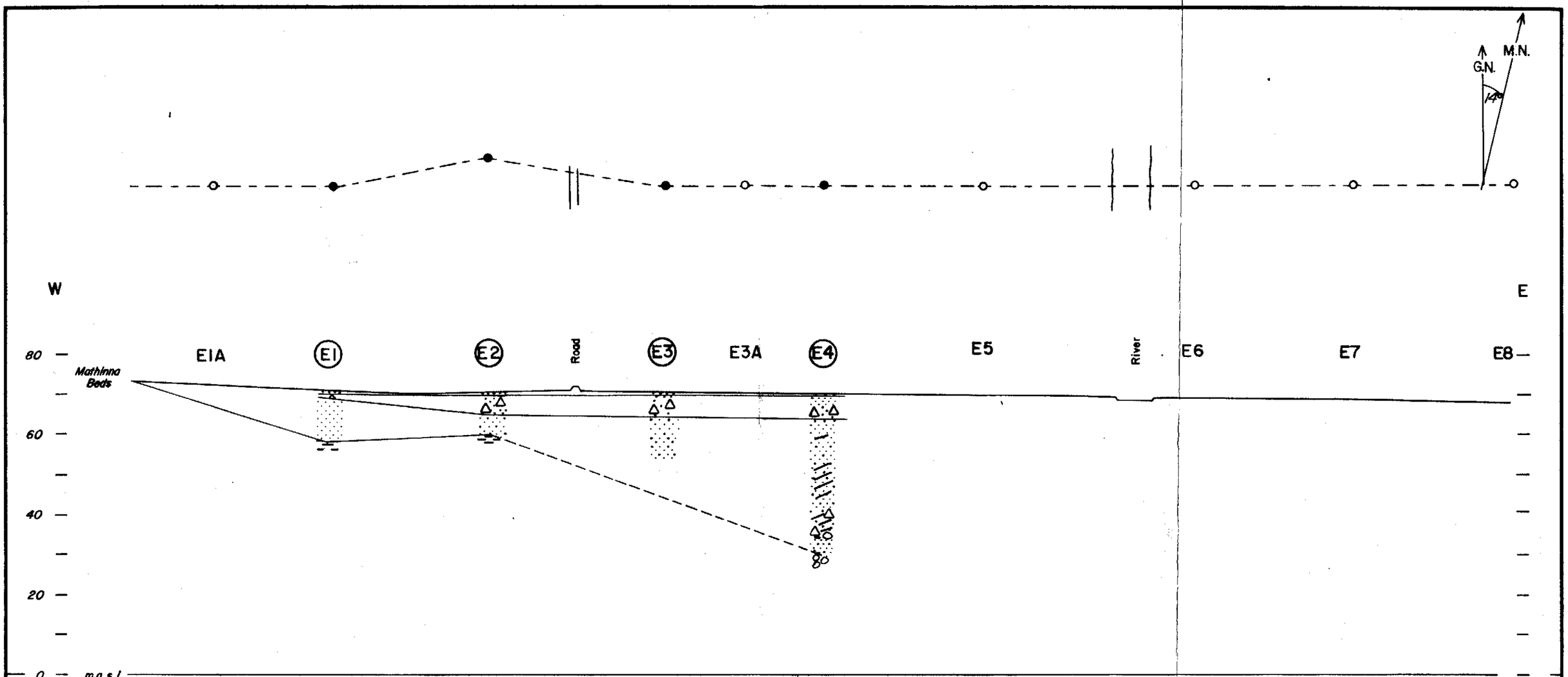
TASMANIA

CROSS SECTION

DRILL LINE D

COMPILED	DRAWN	SCALE	
S.M.D.	J.L. March 1981	As shown	TAS. 9 13

011



Clay.

Sandy clay.

Sand

Sand & gravels.

Gravels.

Conglomerate.

Coal fragments.

Shale.

Dolerite.

A5 Completed drillhole to Feb. 28, 1981.

5 cm

Scale, H. 1cm. = 100m. (1:10 000)
V. 1cm. = 10m. (1: 1 000)

Vertical exageration = 10

979016

AUSTRALIAN ANGLO AMERICAN LIMITED

RESEARCH & TECHNICAL SERVICES DIVISION
SOUTH ESK, EL 22/80
TASMANIA

CROSS SECTION
DRILL LINE E

COMPILED | DRAWN | SCALE | 1

APPENDIX I

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.

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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.

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

APPENDIX II

017

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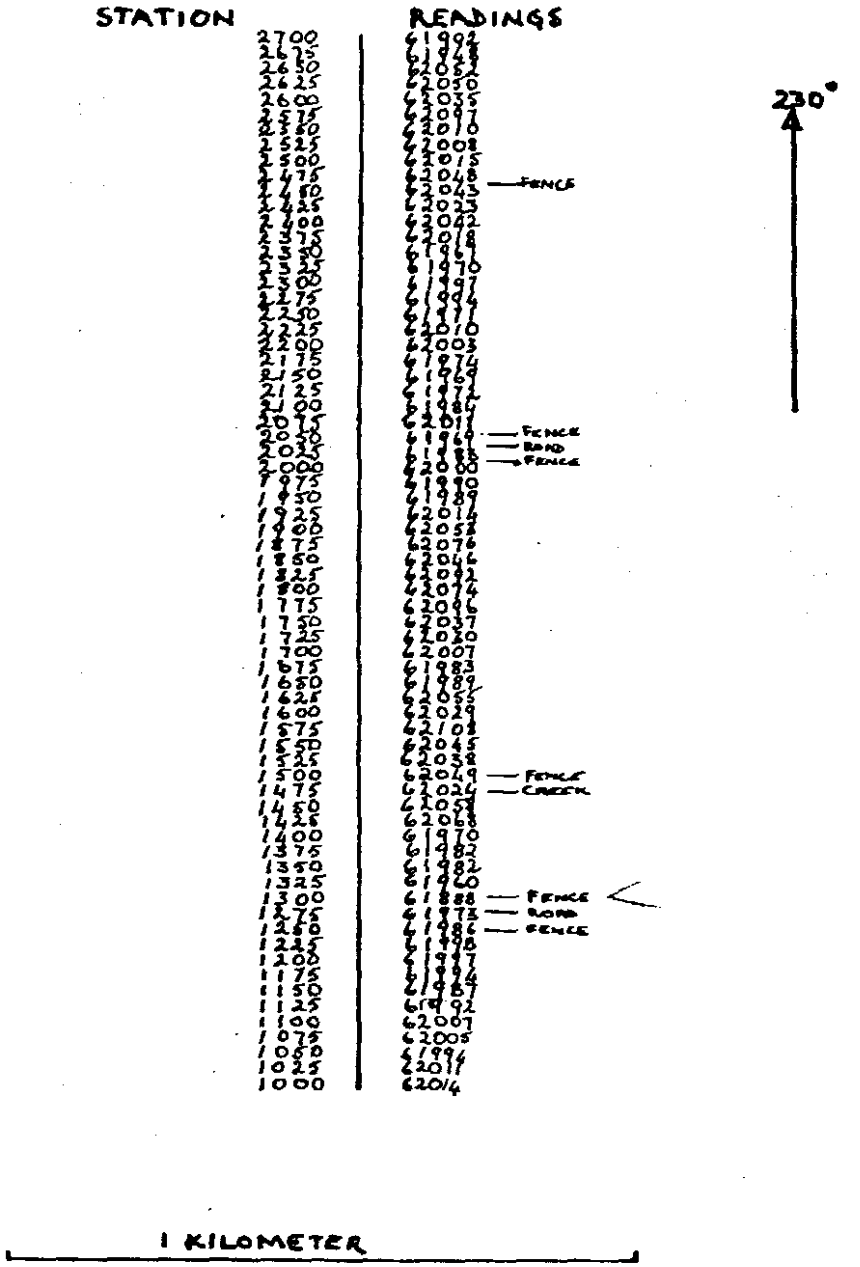
LINE A



5 cm

SOUTH ESK, TAS
E.L. 22/80

GROUND MAGNETICS

018

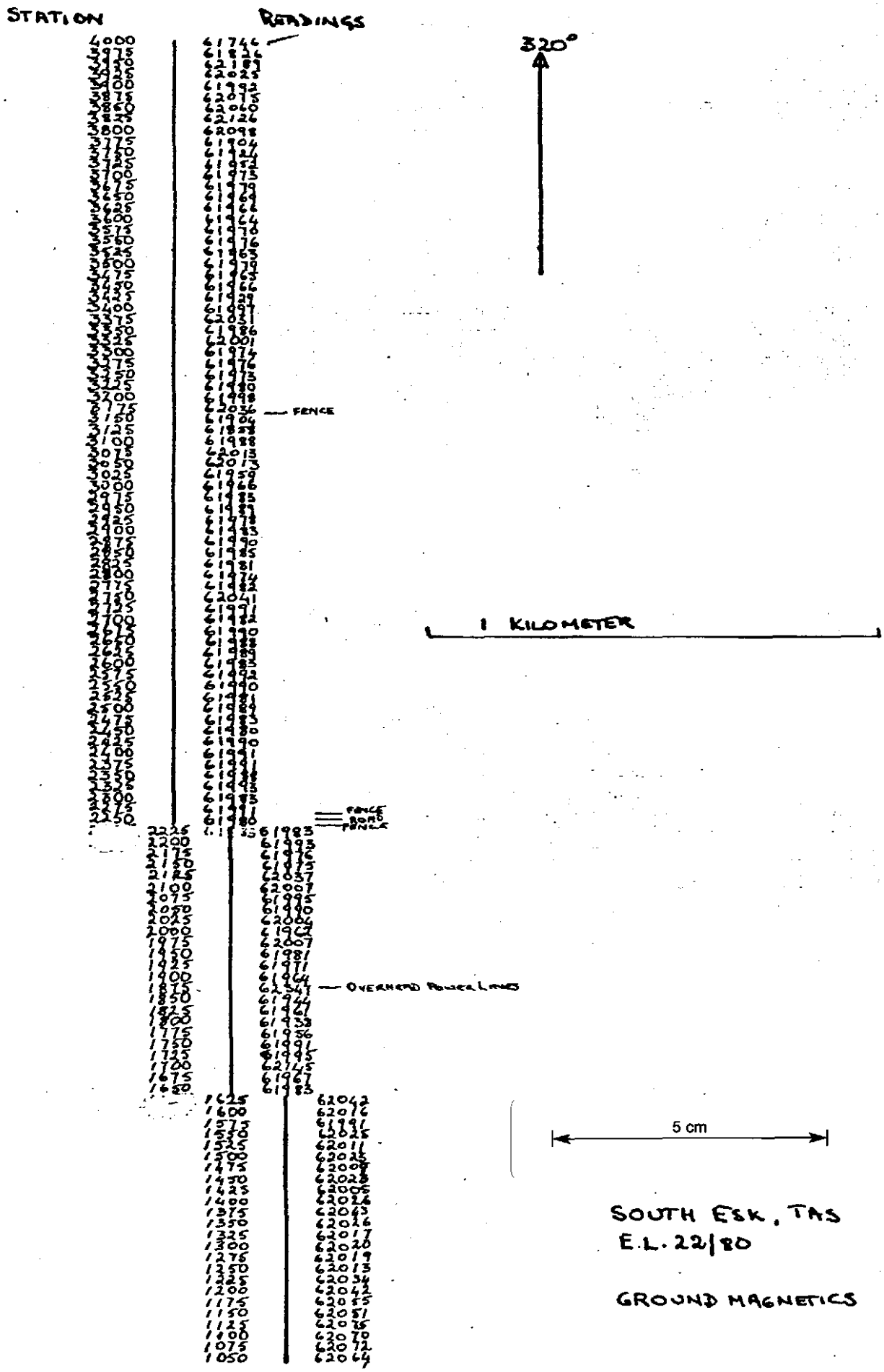
979023

00	61981
00	61982
00	61990
00	61977
00	61988
00	61985
00	61991
00	61989
00	61987
00	61992
00	61993
00	61994
00	61971
00	61970
00	61991
00	61981
00	62003
00	62015
00	61990
00	62002
00	61991
00	61995
00	61993
00	61970
00	61996
00	61994
00	61990
00	61988
00	61986
00	61990
00	61995
00	62005
00	61996

019

979024

LINE B



SOUTH ESK, TAS
E.L. 22/80

GROUND MAGNETICS

020

979025 LINE 8: 00.0 - 085

NW

0850	61955
0825	61937 ← FENCE
0800	61990
0775	61986
0750	61992
0725	61994
0700	61998
0675	62003
0650	61987
0625	61986
0600	61986
0575	61988
0550	61990
0525	61988
0500	61985
0475	61986
0450	61987
0425	61993
0400	61976
0375	61995
0350	61987
0325	61987
0300	61986
0275	61985
0250	61987
0225	61994
0200	61996
0175	61990
0150	61987
0125	61980
0100	61998
0075	61979
0050	61988
0025	61996
0000	61996

305° NW

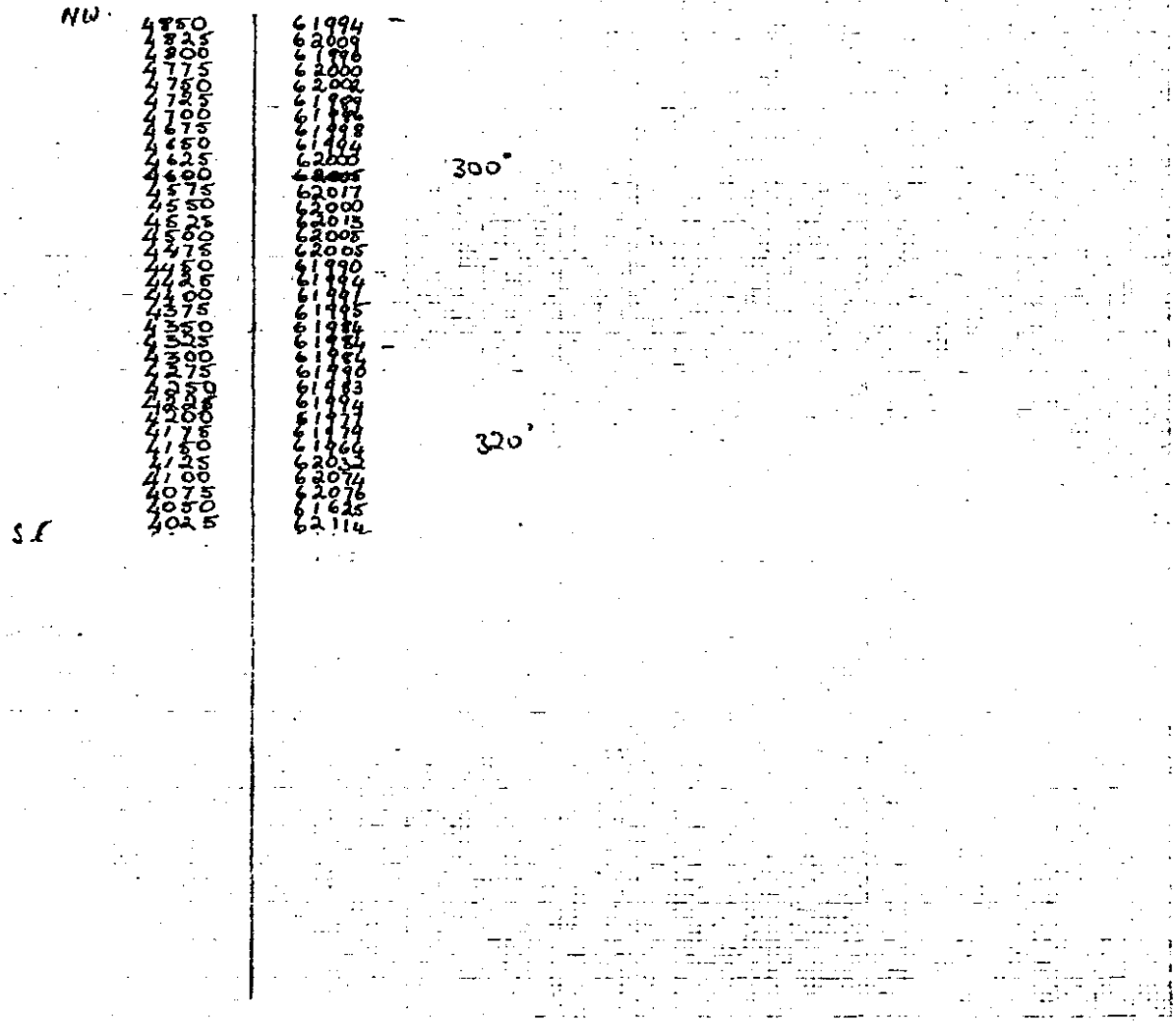
SE

1

021

979026

LINE B
4000 - 4150 NW



022

0420	61977
0400	61975
0380	61965
0360	61959
0340	61951
0320	61974
0300	61979
0280	62017
0260	62001
0240	61992
0220	62001
0200	62048
0180	62060
0160	62064
0140	61952
0120	61904
0100	61942
0080	61960
0060	61985
0040	61984
0020	61966
0000	

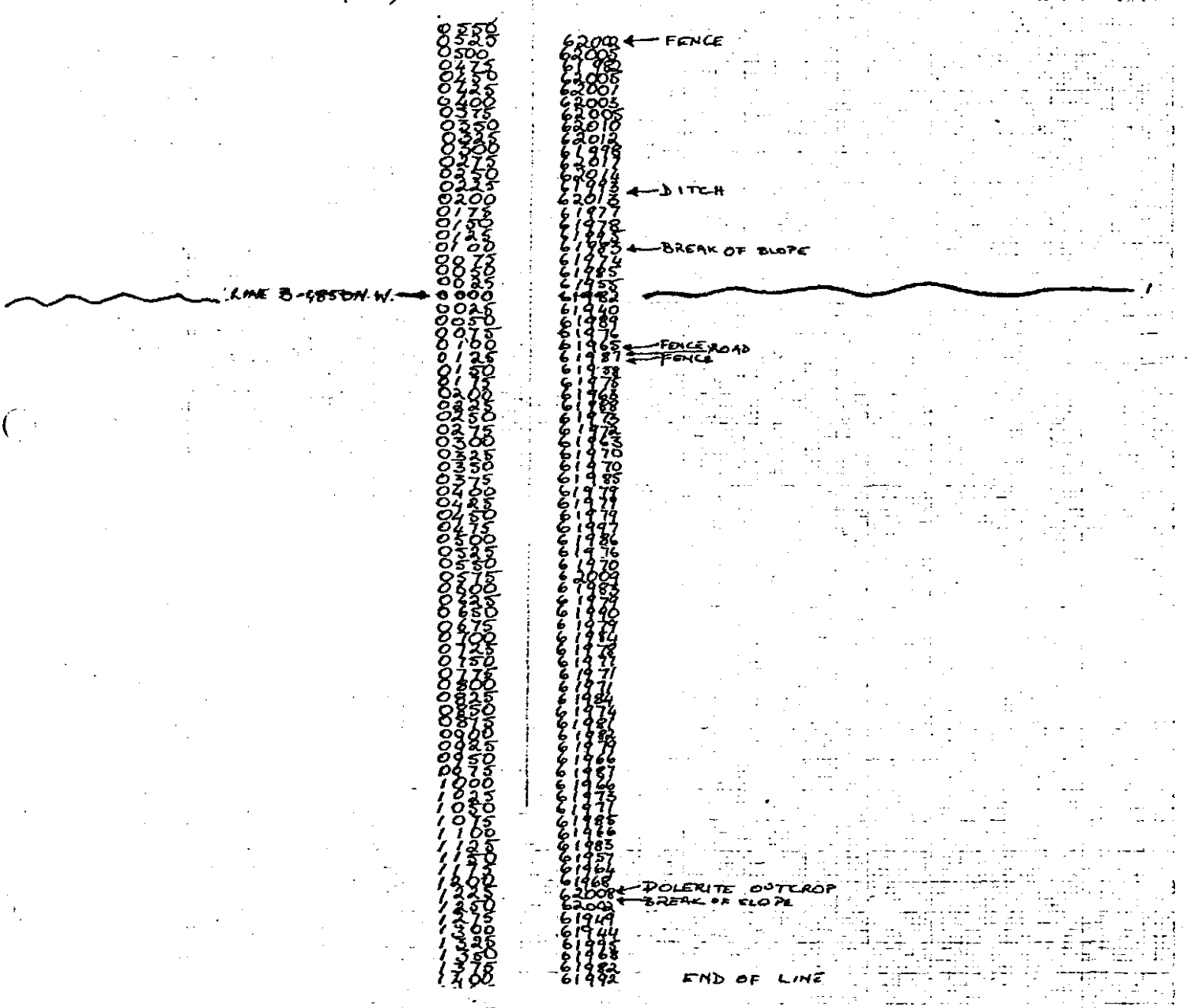
LINE B-1

023

979028

LINE D

SW (230°)

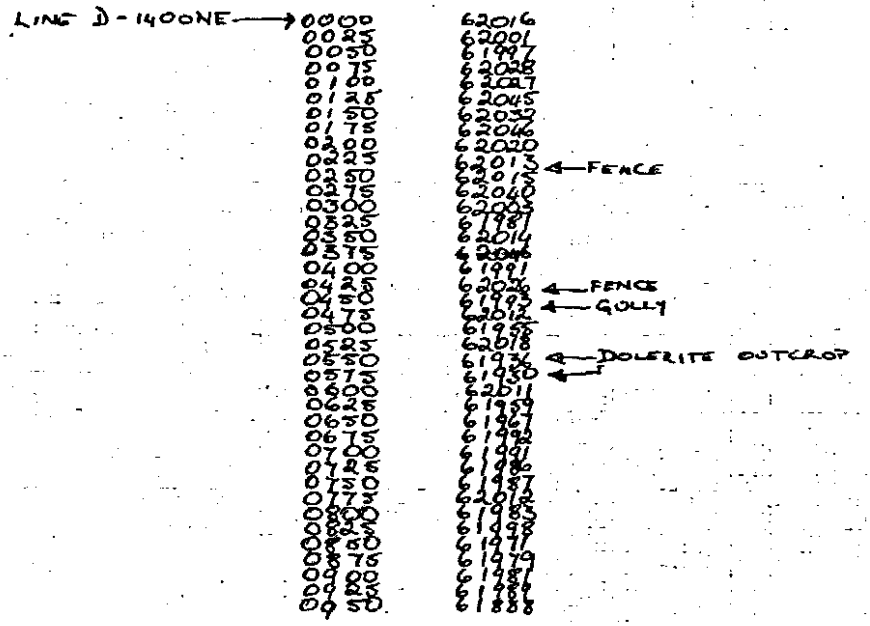


NE (055°)

024

979029

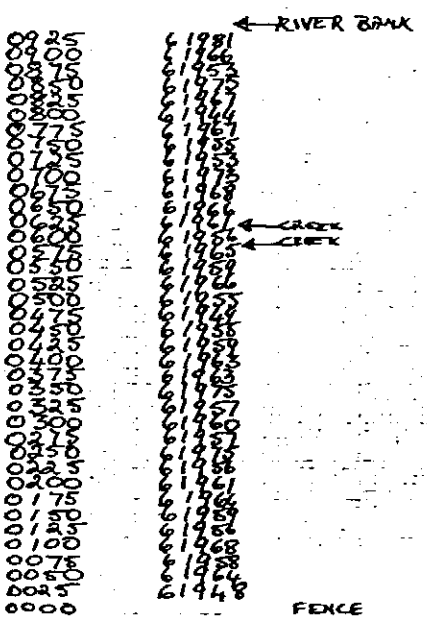
LINE E - (160°).



025

979030

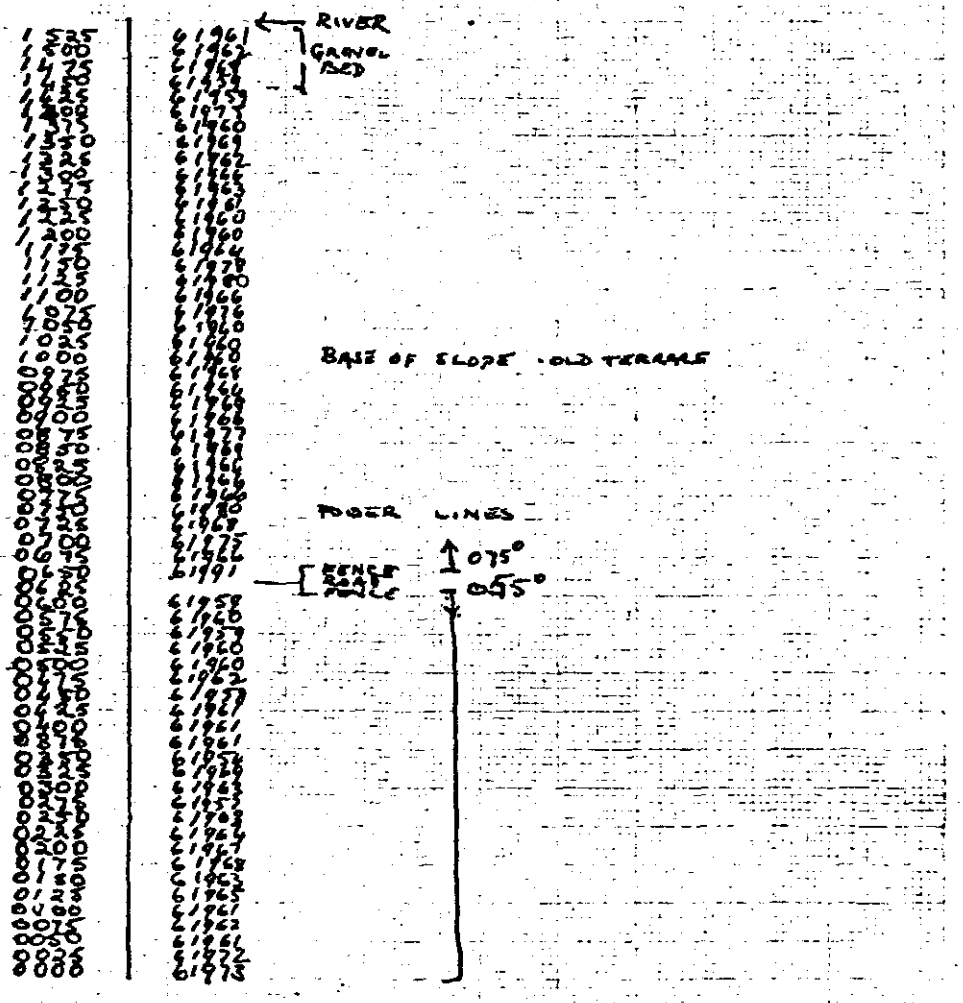
LINE F - (346°)



Line F

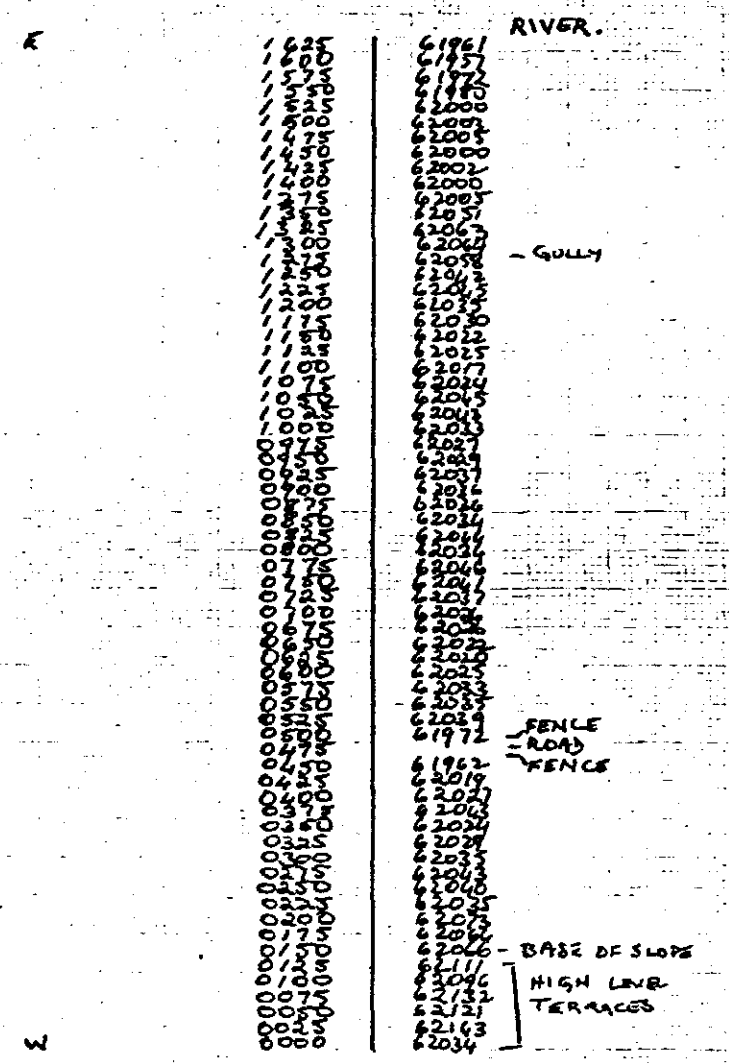
979031

LINE 9 - NE



979032

LINE H -(095°)



APPENDIX III

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: A1 *Commenced time*: 9.30 AM *Date*: 17.1.81 *Machine*: CONCO 210B *Casing shoe diameter*: EXT. 9.0 cm INT. 7.5 cm

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. (1000ths. cu.m) section	THEORETICAL VOL. 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.	wt (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	REMARKS
0-1	1m	Brown muddy gravel to ~0.4m then ochre sandy gravels incl. quartz, feldspar & sandstone				6.0	6.0		11.6										Cased only. All material flushed through casing
1-2	1m	Ochre sandy gravels with some mud. Gravels/chips of quartz slate & sandstone				7.0	13.0		14.0										Cased only
2-3	1	Ochre sandy gravels with quartz & sandstone chips.				5.0	18.0		7.8										Triconed then cased
3-4	1	" "				5.5			12.8										Water loss at ~3.5m ? old water course.
4-5		Khaki clayey sand				7.0			11.7										
5-6		Khaki clayey sand & silt.				4.5			6.6										Triconed then cased

676034

Bottomed / Unbottomed at 19.0 *metres on* Mathinna *bedrock*

9.6

Average field grade ____ *g. per cu. m.*

9790344

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu.m.)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

030
2/4

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

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. 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 wt (g) per cu.m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
6-7	1	Pale ochre clay then brown quartz rich sands & silts				5.0			9.6										Trommel then cased.
7-8	1	Grey brown muddy sands				7.0			13.5										
8-9	1	Grey brown sandy mud.				6.0			10.4										
9-10		Grey brown sandy mud				7.0			12.5										
10-11		Grey clay, black clayey sand. Some quartz chips at ~10.8 m.				5.0			9.8										
11-12		Quartz & black shale chips with grey clay & black sand				6.0			11.2										Cored 11.0-11.5 but no recovery. ~~Satte~~ Then Trommel & cased

030626

Bottomed/Unbottomed at 19.0 *metres on* Mathinna Shale *bedrock*

Average field grade ______ *g. per cu. m.*

979035A

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.
18/1/80	Drillers vehicle breakdown - flat tyre 8-11-30 am	3	30

TYPE OF SEDIMENT	metres	metre-gram	g.per cu.m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS.#)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

3/031

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

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.) 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 wt. (g.) per cu. m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
12-	1	Small shale & quartz				12.0			24.0										
13.		chips some quartz																	
		gravel & grey clay																	
13-	1	" " "				4.0			8.5										
14.																			
14-	1	Some small shale				6.0			11.5										
15		chips. Predominantly																	
		grey clay.																	
15-	1	Predominantly grey				7.0			12.2										
16		clay with quartz chips																	
16-		Grey clayey silts				6.0			11.9										
17																			
17-		4-5 cm quartz chips				8.0			15.8										
18		then grey clay,																	
		2-3 cm quartz chips																	

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

92036

979037

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn. (g/cu.m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
− 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

0.32

4/4

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

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 tha. cu.m.)		ACTUAL VOLUME			WT. OF MATERIALS (Kg.)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 tha. cu.m.)	cum. (1000 tha. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS +10 mm	SANDS/GRAVELS -10 m + 20 #	SANDS/GRAVELS -20 #	CLAY	actual wt. (g.) record.	wt. (g.) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
17-18		grey clay & sand.																	
(cont)		At ~17.9m. - fine																	
		quartz chips & black																	
		shale chips																	
18-		Black shale &				3.5			6.5										Tricone, not cased
18.5		quartz chips																	
18.5-		Grey clay & quartz							2...										Cored. Poor recovery
19.0		with weathered grey																	mainly clay.
		green shales																	
EOH		Silts & clays				4.5			8.5										Recovered from
																			sediment tank
																			overflow.

9790333

Bottomed / Unbottomed at 19.0 metres on Shale bedrock.

Average field grade _____ g. per cu. m.

979039

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu.m.)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

033

979040

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER EL 22/80 AREA SOUTH EAST STATE TASMANIA

BORE NUMBER A1 RECORDED BY S. DOUGLAS

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.X				
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

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 8 SHEET 1/4

Off-set: — *Completed time*: 1·15 PM *Date*: 16·1·81 *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 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
0-1m	1m	Dark brown				1·0			2·2										Cased only
		muddy sands																	All material washed
		incl. muscovite, qtz																	out during casing
1·0-		Khaki muddy																	
2·0?	1m	sands - medium				5·5			7·8										" " "
		to fine grained																	
		- incl. muscovite																	
		& quartz																	
2·0	1·05	Orange-brown mud & quartz				11·0			19·6										Cased to 3·0m
-3·05		sands. Chips of																	then triconed to 3·03m.
		dolerite at 2·35m																	
		then quartz sands																	
		& orange brown																	
		muds, then khaki																	
		muddy sands																	
3·05	0·9?	Khaki muddy sands				9·0			16·9										Triconed to 4·0m
-4·0		with some gravel.																	then cased.
4·0-		Dolerite & quartz				6·0			11·1										Triconed then
5·0	1·0	chips. Yellow brown																	cased.
		clay & sands (cont).																	

Bottomed / Unbottomed at [illegible] *metres on* [illegible] *bedrock*

Average field grade ______ *g. per cu. m.*

979042

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

035
2/4

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

Bore no.: A 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. cum.	ACTUAL VOLUME section (1000ths. cu.m.)	ACTUAL VOLUME cum. (1000ths cu.m.)	section vol. rec. (%)	WT. OF MATERIALS (Kg.)	WT (%) SANDS/GRAVELS +10 mm	-10 m +20 #	-20 #	CLAY	FIELD CONCENTRATE actual wt. (g.) record.	wt. (g.) per cu.m.	metre-gram	cum. metre-gram	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										Cased then triconed
6.0		sandy clay with																	
		some coarse sands																	
6.0–		Blue-grey sandy				8.0			15.0										Triconed then
7.0m	1m	clay, yellow/ochre clay																	cased.
		then ochre/khaki																	
		muddy sand.																	
7.0–		Black sandy clay				5.5			10.3										Triconed then cased
8.0		Brown-grey clay																	
8.0–	0.5	yellow-black				6.5			13.4										Hole recased.
8.5		clayey sands																	Washed out 0.5m
8.5–		Black clayey				2.5[1]			4.8										Triconed then
9.5	1m.	sand.				3.5[2]			4.6										cased - sampled
9.5–		Dark grey clayey				3.0			5.2										separately
10.5	1m	sands - very fine																	Cased only - all
		grained.																	material washed out

1 Drilled
2 Cased

Bottomed / Unbottomed at ______ *metres on* ______ *bedrock*

Average field grade ______ *g. per cu. m.*

979044

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN
14/1/81	Siezed water pump 8.45 - 1.00	6	1/4
"	Filling water tank 5.00 - 6.00	1	—

TYPE OF SEDIMENT	metres	metre-gram	g per cu.m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. at 72% Sn. (g/cu.m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS.#)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

036
3/4

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: A 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. 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.	wt (g) per cu.m.	metre-gram	cum metre-gram	prog. wt.(g) per cu. m.	REMARKS
10·5-	1m	Black clayeysand				12·5			24·[illegible]										Triconed then
11·5																			cased.
11·5																			
-12·5	1m	Black clayeysands				3·0			4·8										Cased then triconed
12·5-		Fine grey-black				4·5			[illegible]										Triconed then cased
13·5	1m	Sandy clay																	
13·5-		Grey-black sandy				4·5			9·0										" "
14·5	1m	clay																	
14·5																			
-15·5	1m	" " "				2·0			5·6										" "
15·5																			
-16·5	1m	Grey-black sandy clay																	
		with minor gravel				3·5			[illegible]										
~~15·5~~-		& some qtz chips																	
16·5	0·9m	Quartz & shale chips				2·5			4·4										
-17·4		with grey sandy																	
		clay																	
17·4	0·5m	Black-grey [illegible]							2·2										Core only
-17·9		with minor qtz veins.																	
		Shattered at ~17·35m.																	

Bottomed / Unbottomed at ______ *metres on* ______ *bedrock*

Average field grade ______ *g. per cu. m.*

510676

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN
15/1/81	Fuel & water supply problems 8.00 – 10.00	2	–
1.	Pump breakdown 1.00-5	4	–
16/1/81	Water filling, pump problems 8.00-9.45	1	45

TYPE OF SEDIMENT	metres	metre-prom	$ per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu.m.)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

037

4/4

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

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.)		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.	wt. (g.) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm	-10 m + 20 #	-20 #							
EOH		Silts & clays.				6.0			10.8										Collected from overflow tray in sediment catcher

Bottomed / Unbottomed at 17.9 metres on Shale. bedrock

Average field grade _____ g. per cu. m.

9790A7

979048

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g. per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV. GRADE TO BEDROCK	cass. conc or 72% Sn (g/cu. m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS.#)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

038

979049

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 22/89. AREA. ~~TASMANIA~~ SOUTH ESK STATE. TASMANIA.

BORE NUMBER. A2. RECORDED BY. S. DOUGALL.

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				
ECH SILTS & CLAYS	10·8				

AUSTRALIAN ANGLO AMERICAN LIMITED

039

1/4

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

Bore no.: A3 Commenced time: 7.30 AM Date: 1.2.81 Machine: GEMCO 210 B Casing shoe diameter: External 9.0 cm. Internal 7.5 cm.

Off-set: 12.75 M mls 318° Completed time: 4.15 PM Date: 2.2.81 Foreman ponner: 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 +20 #	WT (%) SANDS/GRAVELS -20 #	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g.) record.	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 muddy sands				8.0	8.0		11.1										Cased only
1-2	1	Brown-khaki clays with sand & gravel & chips of quartz				8.5	16.5		14.7										Drilled through
2-3	1	Quartz sands & gravel; chips of dolerite quartz & shale with khaki-ochre clays				10.5	27.0		21.7										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										
4-5	1	Grey silty clays				7.0	38.0		13.6										Reamed from 1-5m -all material included in sample

Bottomed / Unbottomed at 23 metres on bedrock

Average field grade _____ g. per cu. m.

090676

979051

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-grom	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc at 72% Sn (q/cu.m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
− 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

040

AUSTRALIAN ANGLO AMERICAN LIMITED

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

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

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

Collar level: _____

2/4

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 g	WT(%) SANDS/GRAVELS -20 g	WT(%) CLAY	FIELD CONCENTRATE actual wt. (g) record.	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
5-6	1	Grey clay, coarse ground & chips of quartz, sandstone, slate & dolerite; grey sandy clays				6·0	440		6·7										
6-7	1	Dark grey sandy clays				3·5	47·5		5·4										
7-8	1	" " "				6·5	54·0		10·3										
8-9	1	" " "				5·0	59·0		6·5										
9-10	1	" " "				7·0	66·0		10·7										
10-11	1	" " "				6·0	72·0		8·6										
11-12	1	" " "				5·0	77·0		9·7										
12-13	1	" " "				6·0	83·0		9·3										

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE		
MINERAL	wt (%)	
Cassiterite		
Ilmenite		
Zircon		
Monazite		
Pyrite		
Gold		
Tantalite		
Others		
TOTAL		

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

041

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

3/4

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	WT.(%)				FIELD CONCENTRATE					REMARKS
				section	cum.	section (1000 lbs. cu.m.)	cum. (1000 lbs. cu.m.)	section vol. rec.(%)	(Kg.)	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.	
13-14	1	Dark grey silty clay				3·5	86·5		5·6										
14-15	1	" " "				4·5	91·0		7·2										
15-16	1	" " "				5·0	96·0		8·7										
16-17	1	Dark grey silty clay, some sand				6·0	102·0		12·6										
17-18	1	Dark grey silty clay				6·0	108·0		9·9										
18-19	1	" " "				5·0	113·0		8·0										
19-20	1	" " "				5·5	118·5		8·0										
20-21	1	" " "				4·0	122·5		6·7										
21-22	1	" " "				1·0	123·5		1·9										Sample & water loss during casing

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

90676

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. or 72% Sn. (g/cu m.)	gold (mg/cu m.)	silver (mg/cu m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

042

4/4

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

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. (1000ths. cu.m.) section	THEORETICAL VOL. 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 mm +20#	WT (%) SANDS/GRAVELS -20#	WT (%) CLAY	FIELD CONCENTRATE actual wt. (g) record	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
22-23	1	Black shales & laminated mudstone																	Cored only. Recovered 0.8m.
0-23		Silts & clays				3.5	127.0		57										

Bottomed/Unbottomed at 23 *metres on* Shale *bedrock.*

Average field grade ______ *g. per cu. m.*

979056

979057

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m.)	gold (mg/cu m.)	silver (mg/cu m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

043

979058

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 (Kg)			Clay (Kg)
		[illegible] - 25#	-10 mm +20#	+10 mm	
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
OH SILTS 0-23	5.7	0.5	-	-	5.2

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: B1 Commenced time: 7.30 AM Date: 29.1.81 Machine: Gemco 2108 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 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. 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 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		Ochre clays with		5.4		8.0	8.0		11.6										Cased only
		sand & gravels																	
1-2		Coarse gravel &		5.4		15.0	23.0		14.5										Drilled then cased.
		chips of quartz																	
		and sandstone																	Clays difficult to
		with red-ochre																	settle. Samples
		clays																	included large
																			amounts of water
2-3		Coarse gravel &		5.4		12.0	35.0		17.0										
		chips of quartz																	" "
		& sandstone with																	
		red-ochre clays																	
3-4		" "		5.4		16.0	51.0		19.2										" "
4-5		" "		5.4		14.0	65.0		18.9										" "
5-6		Coarse gravel & chips		5.4		13.0	75.0		17.1										" "
		of sandstone. Some																	colours of Au.

Bottomed / Unbottomed at 39.0 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

G9005

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m.)	gold (mg/cu m.)	silver (mg/cu m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

045

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. (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.) recvd.	wt. (g.) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
5-6		ochre clays		5.4															
(WW)																			
6-7		Ochre clays with some sand & gravel		5.4		13.0	91.0		19.8										
7-8		Coarse gravels & sand		5.4		5.0	96.0		6.5										
8-9		Ochre clays with coarse gravels & sand		5.4		11.0	107.0		14.7										
9-10		Ochre clays.		5.4		8.0	115.0		6.9										
10-11		Ochre clays with some quartz & sandstone gravels.		5.4		11.0	126.0		11.2										

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

T90646

979062

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu.m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu.m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS.#)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: GL 22/80 AREA: SOUTH EGE STATE: TASMANIA

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

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

Collar level: _____

3½

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.	wt. (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm.	-10 m +20 #	-20 #							
11-12		Red-ochre clay		5·4		11·5	137·5		12·0										
		with some quartz																	
		& sandstone chips																	
12-13		Red-ochre clay		5·4		12·0	149·5		11·1										
		with some sand.																	
13-14		" " "		5·4		14·0	163·5		17·1										
14-15		" " "		5·4		14·0	177·5		20·2										
15-16		Ochre clay with		5·4		12·0	189·5		10·5										
		some gravels																	
16-17		Ochre-khaki clay		5·4		8·0	197·5		10·1										
		with some sand.																	
17-18		Ochre clays with		5·4		9·0	206·5		12·2										
		some sands &																	
		gravels																	

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979064

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

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

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

Collar level: _____

4/5

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.	wt. (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+ 10 mm	- 10 m + 20 g	- 20 g							
18-19		Ochre clay with		5.4		9.0	215.5		14.2										
		some Sands &																	
		gravels																	
19-20		" "		5.4		8.0	223.5		9.8										
20-21		" "		5.4		7.0	230.5		10.1										
21-22		Ochre clay with		5.4		10.0	240.5		7.8										
		Some Sands																	
22-23		" " "		5.4		8.0	248.5		5.4										
23-24		Ochre-khaki		5.4		6.0	254.5		5.6										
		clays																	
24-25		" "		5.4		7.0	261.5		4.8										
25-26		" "		5.4		10.0	271.5		10.4										

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV. GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m.)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tornaline	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

5/5 048

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.)		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.	wt. (g) per cu. m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
26-27		Ochre. lateritic clays		5·4		7·0	278·5		12·0										Trenched only
27-28		" " "		5·4		7·0	265·5		10·9										" "
28-29		Khaki silty clays		5·4		6·0	241·5		5·3										" "
29-30		" " "		5·4		4·0	215·5		6·5										" "
30-31		" " "		5·4		4·0	209·5		3·3										" "
31-32		Grey-green weathered slates & clays		5·4															Cored only
29-32		Khaki silty clays		5·9		13·0	32·5		21·5										Hole reamed from 29·31, then cored.
EOH 0-32		Silts & gravels							23·0										

Bottomed / Unbottomed at 32·5 metres on Mathinna bedrock slate

Average field grade ____ g. per cu. m.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu.m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m.)	gold (mg/cu m.)	silver (mg/cu m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks :

049

979069

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

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

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		~~+10mm~~ (Kg) -20#	-10mm +20# (Kg)	-20# (Kg) +10mm	
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

050

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

BORE NUMBER. B7 RECORDED BY.....

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		~~-10mm~~ (Kg) -20#	-10 mm +20 #	+10 mm	
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
OM SILTS 0-32	23.0	1.7	-	-	21.3

AUSTRALIAN ANGLO AMERICAN LIMITED

051

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 cm Internal 7.5 cm

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 (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 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										Cased then drilled.
																			Drilled then cased
1-2		Ochre clays with quartz & sandstone gravels. Red clays at ~1.6m.				4.0			7.4										
2-3		Red clays, ochre clay with quartz gravels & sandstone chips				10.0			18.4										
3-4		Gravel & chips of quartz alternating with ochre clays layers				7.5			14.6										

Bottomed / Unbottomed at 28.0 metres on Mathinna bedrock Shales

Average field grade _____ g. per cu. m.

9626-1

979072

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN
21/1/81	Drill engine breakdown	3	0
23/1/81 to 27/1/81	Field break		
28/1/81	No diamond core bit.	3	30

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc or 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt %
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

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 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) record	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										Clays formed thick slime ~~from~~ - did not flocculate readily. Cased to 4.6m. Pulled casing due to heavy ground.
0-5	15	Ochre & red clays with quartz & sandstone gravels.				26.0			28.0										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										Ticoned then cased.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979074

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

053

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 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	wt (g) per cu.m	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
6-7		Ochre clays with				18·0			27·2										Drilled Then cased
		quartz & sandstone																	
		chips & gravels																	〃 〃 〃
7-8		Quartz & shale				7·0			14·3										〃 〃 〃
		chips, then stiff																	Colours of
		ochre clays																	Au.
8-9		Stiff ochre clays				9·0			9·2										〃 〃 〃
		with some sandy																	
		clays at ~8·9m																	
9-10		Ochre sandy clays				9·0			11·7										〃 〃 〃
		with some coarse																	
		gravel & qtz																	
		chips																	
10																			〃 〃 〃
10-11		Ochre - khaki sandy				10·5			15·7										
		clays																	Colours of Au.

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
− 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt.(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

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

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

Collar level: ____

4/6

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) record	wt.(g) per cu.m	metre-gram	cum. metre-gram	prog. wt.(g) per cu.m.	
										+10 mm	-10 m +20 #	-20 #							
11-12		Khaki sandy clays				8·5			12·5										
12-13		Khaki sandy Clays				4·5			7·3										
13-14		" " "				6·5			9·3										
14-15		Khaki-ochre sandy clay				7·5			11·7										
15-16		" "				6·5			7·0										
16-17		Khaki clayey silts	S			7·0			7·7										Stiff clay on ironstone bit
17-18		" " "				8·2			9·6										
18-19		Khaki-ochre clayey sands with some shale chips				8·0			13·1										

Bottomed / Unbottomed at ____ metres on ____ bedrock

Average field grade ____ g. per cu. m.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc or 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

5/6 055

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

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 (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.	wt. (g.) per cu.m.	metre-gram	cum metre-gram	prog. wt. (g.) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
18-19 (cont)		sand quartz gravels																	
19-20		Khaki-ochre clayey sands with quartz gravel & shale chips.				7.0			7.8										
20-21		Ochre clay with some silts.				9.0			14.1										
21-22		" " "				4.0			3.6										Dolled only, not cased, ∴ smaller samples.
22-23		Khaki clay with some sand				3.0			2.8										
23-24		" " " "				4.0			5.7										
24-25		Green-khaki clay				6.0			4.2										

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979080

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn : g/cu m)	gold (mg/cu m.)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

6/6 056

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 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.	
25-		Grey-green clay				5.0			5.5										Traced only
26		with some silts																	
26-		" " "				4.0			12.9										" "
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						

Bottomed / Unbottomed at 28.0 metres on Mathinna bedrock Shales.

Average field grade _____ g. per cu. m.

979082

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

057

979083 1/2

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

BORE NUMBER. 32 RECORDED BY. A JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		~~+10mm~~ (Kg) ~~- 20#~~	-10mm +20# (Kg)	+10mm	
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

058

979084

2/2

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

BORE NUMBER... B2..... RECORDED BY.....

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

AUSTRALIAN ANGLO AMERICAN LIMITED

059

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

Bore no.: B4 *Commenced time:* 4.30 PM *Date:* 9.1.81 *Machine:* GEMCO II 10B *Casing shoe diameter:* External 9.0 cm. 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) section	THEORETICAL VOL 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 wt (g) per cu m	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog wt (g) per cu m	REMARKS
0.0 – 1.4	1.4	Ochre clayey sand, fine grained.				1.5	1.5		2.6										May have been sediment loss with water escaping before reaching sediment tank
1.4 – 2.4	1.0	Some dolerite chips & quartz gravel. Mainly dark grey clayey mud				5.0	6.5		9.3										
2.4 – 3.9	1.5	~~Some~~ Dark grey clayey mud				8.0	14.5		13.2										Colours.
3.9 – 5.6	1.7	Chips of fine grained sandstone & shale. with yellow-brown clay				3.0	17.5		4.5										
5.6 – 6.0	0.4	Fine grained silt-stone. Mathinna Beds																	Core only.
EOH		Muds & Silt - yellow - brown				1.0.	18.5		0.85										

Bottomed / Unbottomed at 6.0 *metres on* Mathinna Siltstone *bedrock*

Average field grade ______ *g. per cu. m.*

626085

979086.

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc. at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
		ASSAY RESULTS (ppm)		
size (BSS #)	wt(%)	Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

979087

060

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. E.L. 22/80. AREA. South Esk.. STATE. TASMANIA.

BORE NUMBER....B4..... RECORDED BY...S.M. Dodgshun....

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

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

core diameter
0.05m. Internal
0.07m External.

Bore no.: B-5 *Commenced time:* 3.00 PM *Date:* 8.1.81 *Machine:* GEMCO 210B *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 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
0-0.75	.75	Fine gravelly sands & dolerite boulders				10.0	10.0		0.8										Triconed then cored through boulders
0.75-1.7	0.95	Sandstone & Quartz gravel & chips with some dolerite				6.5	16.5		15.6										Gravels cored.
1.7-3.5	1.8	Quartz & sandstone gravel. Conglomerate core				9.5	26.0		16.85										Triconed then cored from 3.0-3.5
3.5-4.0	0.5	Mathinna Bed conglomerate. Large quartz & sandstone cobbles in grey-green siliceous matrix.				—			1.8										Cored only.

Bottomed / Unbottomed at 3.5 *metres on* Mathinna *bedrock*

Average field grade ______ *g. per cu. m.*

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass conc of 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE		
MINERAL	wt(%)	
Cassiterite		
Ilmenite		
Zircon		
Monazite		
Pyrite		
Gold		
Tantalite		
Others		
TOTAL		

Remarks:

062

979090

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

BORE NUMBER. B.5 RECORDED BY. [illegible]

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~~	—	2.8	
1.7 - 3.5	16.85kg.				
3.5 - 4.0	1.8kg				

063

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: C 1 *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:* B. Douglas

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu m) section	THEORETICAL VOL 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 +[illegible] mm	WT (%) SANDS/GRAVELS -10 m +[illegible]	WT (%) SANDS/GRAVELS -20 [illegible]	WT (%) CLAY	FIELD CONCENTRATE actual wt (g) recovd	FIELD CONCENTRATE Au 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	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	0.016 tr				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.*

979092

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc or 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE		
MINERAL	wt(%)	
Cassiterite		
Ilmenite		
Zircon		
Monazite		
Pyrite		
Gold		
Tantalite		
Others		
TOTAL		

Remarks:

064

2/2

AUSTRALIAN ANGLO AMERICAN LIMITED

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

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. (1000ths cu.m.) section	THEORETICAL VOL. 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	SANDS/GRAVELS -10 m +20 #	SANDS/GRAVELS -20 #	CLAY	FIELD CONCENTRATE actual wt (g) recovd	Au wt (g) ppm per mg cu.m	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	REMARKS
6-7	1	Highly weathered	S																Cored. Recovered
		grey-green shales																	0.56 m.
EOH		Silts & clays				3.0	225		2.2										
0-6														6.55	-				

Bottomed / Unbottomed at 5.0 metres on Mathinna bedrock

Average field grade ______ g. per cu. m.

979094

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. or 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

065

979095

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) -20#	-10mm +20 #	(Kg) +10mm	
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.

066
1/

AUSTRALIAN ANGLO AMERICAN LIMITED

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 cm INT. 7.5 cm

Off-set: 200 m Bearing 227° *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 (1000ths cu.m.) section	THEORETICAL VOL 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	WT (%) SANDS/GRAVELS -20#	WT (%) CLAY	FIELD CONCENTRATE actual wt (g) record.	FIELD CONCENTRATE Au wt (g) ppm per mg adm.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog wt (g) per cu. m.	REMARKS
0-1	1	Brown sand & silt, some quartz gravels				4.5	4.5		6.3					30.00	0.008 tr				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 then cased.
3-4	1	Ochre clay; sand gravel & chips of quartz, shale & dolerite.				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	1.44 0.03				
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	0.067 tr				Water & sample loss through gravels.

060696

Bottomed/Unbottomed at 16 m *metres on* Mathinna *bedrock* Shale

Average field grade ______ *g. per cu. m.*

979097

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (B.S.S #)	wt (%)	ASSAY RESULTS (p.p.m.) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: C2 *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 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 ppm mg	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 loss 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	0.05 tr				
11-12	1	" " "				1.0	22.0		1.0					3.23	0.154 tr				
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	0.012 tr				
15-16		Silts				1.0	26.0		1.1					15.19	0.013 tr				
15-16	1	Highly weathered grey-green shales																	Cored. Recovered 0.9m

Bottomed/Unbottomed at 16 *metres on* Shale. *bedrock*

Average field grade ______ *g. per cu. m.*

960098

979099

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m.)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
		ASSAY RESULTS (ppm)		
size (BSS #)	wt (%)	Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

068

979100

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 23/80 AREA. SOUTH ESK STATE.. TAS.....

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

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels ~~-10mm~~ (Kg) ~~-20#~~	Sands/Gravels -10mm +20#	Sands/Gravels +10mm	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~~ 0.05 Kg, hence ENTIRE SAND/GRAVEL WAS PLACED IN SAMPLE BAG.

AUSTRALIAN ANGLO AMERICAN LIMITED

069

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 cm Internal 7.5 cm

Off-set: — Completed time: 12.45 PM Date: 6.2.81 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) record	FIELD CONCENTRATE Av wt.(g) p/cu.m. per mg cum	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt.(g) per cu. m.	REMARKS
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	0.009 tr				
3-4	1	Gravel & chips of quartz and sandstone with coarse sand & ochre clay				13.0	33.0		33.1					25.27	1.31 0.03				
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	0.025 tr				

Bottomed / Unbottomed at 8.0 metres on Mathinna Beds bedrock

Average field grade _____ g. per cu. m.

379 101

979102

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			

AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m.)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE		
	MINERAL	wt (%)
	Cassiterite	
	Ilmenite	
	Zircon	
	Monazite	
	Pyrite	
	Gold	
	Tantalite	
	Others	
	TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

070

PROSPECT: EL 22/80 AREA: SOUTH EGR 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 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) recvd	Au wt. (g) plan per m.g cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
5-6	1	Pale ochre sandy clays;	S			9·0	68·0		11·0					26·34	0·017 tr				
		some quartz and																	
		sandstone chips	F																
6-7	1	Pale ochre clay;				8·0	56·0		11·8					18·40	—				
		quartz and sandstone																	
		gravels; fine sands	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	0·067 tr				
9-10	1	Ochre clays with				18·0	99·0		18·1					14·23	0·032 tr				
		quartz gravels &																	
		chips																	
10-11	1	Ochre sandy clays				16·0	115·0		13·7					23·59	0·476 0·01				
		with quartz gravels																	

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979104

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

071

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 (1000 ths. cu.m.)	cum (1000 ths. cu.m.)	section vol. rec.(%)		SANDS/GRAVELS			CLAY	actual wt (g) received	Au wt (g) ppm per mg atm.	metre-gram	cum. metre-gram	prog. wt (g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
11-12	1	Ochre weathered																	Cored. Recovered
		shales with quartz																	0.7 m.
		veins.																	
0-12		E.O.H. Silts				9.0	124.0		16.2										
0-11														21.74	0.057 Au				

Bottomed / Unbottomed at 8.0 metres on Mathinna bedrock

Average field grade _____ g. per cu. m.

92105

979106

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

072

979107

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~~ (Kg) -20#	-10 mm +20 #	+10 mm	
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	-	-	10·2
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
EOH SILTS 0-12·7	16·2	0·3	-	-	15·9

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 2218O AREA: SOUTH EEK STATE: TASMANIA

073

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

Off-set: 42m. → 238° Completed time: 10.00AM Date: 11.2.81 Foreman panner: A. JACKSON Supervisor: B. 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) recvd	FIELD CONCENTRATE Hv wt. (g) p/m bar mag cu.m.	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	0.04 +T				Cased only.
1-2	1	Ochre clays; gravel & chips of quartz shale & sandstone.	F			5.0	11.0		7.2					22.87	0.820 0.02				Drilled then cased.
2-3	1	" " "				6.0	17.0		9.5					30.00	–				" "
3-4	1	Brown-ochre clay with sand & quartz gravel.	F			8.0	25.0		12.6										" "
4-5	1	" " "	F			8.0	33.0		11.9					22.52	27.31 0.62				" " (Reduced)
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.

9701O8

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m.)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

074

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

Bore no.: C4 *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
										SANDS/GRAVELS									
				section	cum	section (1000ths. cu.m)	cum. (1000ths. cu.m)	section vol. rec. (%)		+10 mm	-10 m +20 #	-20 #	CLAY	actual wt. (g) recovd.	Au ppm per cu.m	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
6-7	1	Highly weathered grey shales																	Cored. Recovered 0.95m.
0-7	·	EOH Silts				2.0	40.0		30										
0-6														29.52	-				

011256

Bottomed/Unbottomed at 6.0 *metres on* Mathinna *bedrock*

Average field grade ______ *g. per cu. m.*

979111

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m.)	gold (mg/cu.m.)	silver (mg/cu.m.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

075

979112

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

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

BORE NUMBER C.4 RECORDED BY A. JACKSON

Depth (m)	Wt. of Materials (Kg)	Sands/Gravels			Clay (Kg)
		~~-10mm~~ (Kg) -20#	-10 mm +20 #1	(Kg) +10 mm	
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
EOH SILTS 0-7	3.0	0.15	-	-	2.85

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: C 5 *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 11

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000ths cu m) section	THEORETICAL VOL 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 #	CLAY	FIELD CONCENTRATE actual wt (g) recovd.	Au wt (g) ppm per	metre-gram	cum. metre-gram	prog wt (g) per cu. m.	REMARKS
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	7.75 0.11				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	0.205 0.004				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	6.61 0.13				Drilled then cased. (1 colour)

Bottomed/Unbottomed at 6.0 *metres on* Mathinna Shales *bedrock*

Average field grade ____ *g. per cu. m.*

979114

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

077

AUSTRALIAN ANGLO AMERICAN LIMITED

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. (1000ths. cu.m.) section	THEORETICAL VOL. 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 wt. (g) per bcm / mg cu.m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog. wt. (g.) per cu. m.	REMARKS
(4.1-5.0 cont).		chips & gravels	F																
5-6	1	" " "	F			22.0	89.0		28.2					17.96	98.00 1.62				(8 colours)
6-7	1	Ochre-khaki clays	S			9.0	98.0		3.6					20.74	63.65 1.32				(1 colour)
7-8	1	ochre clays; pebbles of black shale; ochre shale; red clay.	S																Cored. Recovered 20 cm.
0-8		EOH silts				4.0	102.0		0.6										
0-7														17.60	0.444 0.02				

Bottomed/Unbottomed at 6.0 metres on Mathinna bedrock

Average field grade ______ g. per cu. m.

979116

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

078

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

979117

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) -20#	-10mm +20 #	-20 mm +10 mm	
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

AUSTRALIAN ANGLO AMERICAN LIMITED

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. SHEET 1/2

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

Collar level:

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lts. cu.m.) section	THEORETICAL VOL cum	ACTUAL VOLUME section (1000 lts. cu.m.)	ACTUAL VOLUME cum (1000 lts. 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 m³	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	0.025 Tr				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	0.400 0.01				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	1.07 0.02				" " " (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* Shales

Average field grade ______ *g. per cu. m.*

979119

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

080

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

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. (1000 ths. cu m) section	THEORETICAL VOL. 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 wt (g) per cu m	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
5-6	1	Ochre clays & gravels; weathered grey shale																	Cored only.
0-6		EOH silts				9.0	47.5		10.6										
0-5														6.78	-				

Bottomed/Unbottomed at 5.5 metres on Mathinna bedrock

Average field grade ______ g. per cu. m.

979121

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tonnalite	
Others	
TOTAL	

Remarks:

081

979122

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) -20#	-10mm +20#	+10mm ~~-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

082

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 cm Int. 7.5 cm 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 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 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 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			3.0	14.0		4.6					20.81	–				
3-4	1	Quartz, sandstone Shale & dolerite chips & gravel; Sands	F			8.0	22.0		13.5					26.45	0.033 t/m				
4-5	1	Quartz, sandstone Shale & dolerite chips & gravels	F			30.0	52.0		49.3					11.51	4735 0.55				(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.

9703123

979124

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cu.m.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
		ASSAY RESULTS (ppm)		
size (BSS #)	wt(%)	Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

083

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 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 ~~wt (g)~~ ppm ~~per~~ ~~cu m~~	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					30.00	–				Large amount of pyrite in concentrate
7 - 8	1	" "	F			25.0	102.0		37.5					24.23	5.36 0.13				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	0.133 tr				
10 - 11	1	" " "	F			8.0	136.0		13.7					19.40	0.010 tr				
11 - 12	1	" " "	F			10.0	146.0		14.8					13.41	0.033 tr				

970125

Bottomed / Unbottomed at ________ metres on ____________ bedrock

Average field grade ______ g. per cu. m.

979126

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

084

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 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 +20 #	WT(%) SANDS/GRAVELS -20 #	WT(%) CLAY	FIELD CONCENTRATE actual wt (g) record.	FIELD CONCENTRATE Au wt(g) ppm per cu.m.	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
12-13		Grey-black clayey sand with small coal fragments.	F			10.0	156.0		23.3					20.39	0.050 t.r.				Cored. 1.0m of unconsolidated material recovered.
13-14		" "	F			4.0	170.0		16.8					28.88	0.147 t.r.				Drilled then cased.
14-15	1	Grey-black sandy clay with coal particles	F			14.0	184.0		13.8					20.65	0.181 t.r.				
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.

979128

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc of 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
		ASSAY RESULTS (ppm)		
size (BSS #)	wt (%)	Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

085

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. (1000ths. cu.m.) section	THEORETICAL VOL. 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 ppm	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt (g) per cu. m.	REMARKS
17-18	1	Quartz & dolerite chips & gravels with coal fragments	F			14.0	217.0		23.4					19.76	1.51 0.03				Cored. No recovery.
18-19	1	" " with grey clays.	F			19.0	236.0		20.4					22.86	0.131 tr				
19-20	1	" " "	F			20.0	256.0		26.1					30.00	0.042 tr				
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 c y with quartz sands & gravels; coal fragments At 21·8 - large chips of red quartz-sandstone.				19.0	291.0		29.0					26.95	0.222 0.01				

979129

Bottomed / Unbottomed at ______ metres on ______ bedrock

Average field grade ______ g. per cu. m.

979130

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calcuated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt (%)	ASSAY RESULTS (ppm)			
		Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

086

AUSTRALIAN ANGLO AMERICAN LIMITED

PROSPECT: EL 22180 AREA: SOUTH ESK STATE: TASMANIA.

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

Off-set: Completed time: Date: Foreman/ponner: 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 wt.(g) per cu.m.	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	0.032 tr				Drilled only. Not cased.
23-24	1	" " "	F			9.0	309.0		13.8					29.12	0.024 tr				" " "
24-25	1	" " "	F			3.3	312.3		5.9					21.79	0.035 tr				" " "
25-26	1	" " "	F			9.0	321.3		11.7					30.00	0.017 tr				" " "
26-27	1	" " "	F			9.0	330.3		10.1					23.04	0.032 tr				" " "
27-28	1	" " "	F			5.0	335.3		5.8					27.77	0.050 tr				" " "
28-29	1	" " "	F			5.0	340.3		7.4					30.00	0.032 tr				" " "
29-30	1	" " "	F			5.0	345.3		8.3					30.00	0.933 0.03				" " "

979131

Bottomed / Unbottomed at _____ metres on _____ bedrock.

Average field grade _____ g. per cu. m.

979132

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	$ per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

087

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. (1000ths. cu.m.) section	THEORETICAL VOL. 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	Au wt. (g) ppm per cu m	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	REMARKS
30-31	1	0·2m pebbles of sandy conglomerate with quartz matrix. 0·8m. grey-black pyritic shales																	Cored - 1·0m recovered.
		EOH Silts				200	3653		22·0										
0-30														30·00	0·008 tr				

Bottomed / Unbottomed at 30·2 *metres on* Mathinna bedrock Shales.

Average field grade ____ *g. per cu. m.*

979133

979134

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc. @ 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

979135

088

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) +20#	-10mm +20#	-10mm	
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

089

979136

AUSTRALIAN ANGLO AMERICAN SERVICES PTY. LTD.

PROJECT NUMBER. EL 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#	-10 mm + 20 #	-20# (Kg) +10 mm	
27 - 28	5·8	2·6	-	-	3·2
28 - 29	7·4	3·8	-	-	3·6
29 - 30	8·3	2·5	-	-	5·8
EOH SILTS 0-31	22·0	3·5	-	-	18·5

AUSTRALIAN ANGLO AMERICAN LIMITED

090

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

Bore no.: D3 Commenced time: 2.30 PM Date: 15.2.81 Machine: CRELCO 210B 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 (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 HU wt. (g.) per 1000 lbs. cu m. cum.	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	0.050 t/t				Cased only.
1-2	1	Ochre-brown clayey sands	F			4.0	9.0		6.6					21.25	0.010 t/t				Drilled then cased. (1 colour)
2-3	1	ochre clayey sands	F			2.0	11.0		3.0					19.90	0.030 t/t				
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	-				(1 colour)
5-6	1	Sands; with quartz sandstone & shale chips & gravel.	F			6.0	31.0		6.5					23.30	-				

979137

Bottomed / Unbottomed at 10.0 metres on Mathinna Shale bedrock

Average field grade _____ g. per cu. m.

979138

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm)		
		Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

SHEET 2/2

Bore no.: D3 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. 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 ppm	FIELD CONCENTRATE metre-gram	FIELD CONCENTRATE cum. metre-gram	FIELD CONCENTRATE prog. wt. (g) per cu. m.	REMARKS
6-7	1	Sands & q.artz gravels	F			2.0	33.0		1.3					22.74	—				
7-8	1	Dolerite, shale & quartz chips & gravels.	F			19.0	52.0		30.9					26.62	—				
8-9	1	Grey clayey sands, quartz and sandstone chips & gravels.	M			9.0	61.0		16.0					18.00	—				
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 Shale bedrock

Average field grade ______ g. per cu. m.

979139

979140

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g. per cu m.
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass. conc of 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum)
Grade calculated from assay results			
Grade calcuated from physically free minerals			

FIELD CONCENTRATE					
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

092

979141

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 ~~+10mm~~ (Kg) -20#	Sands/Gravels -10mm +20# (Kg)	Sands/Gravels -[illegible] +10mm	Clay (Kg)
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
EOH SILTS 0-12	5.1	0.8	-	-	4.3

AUSTRALIAN ANGLO AMERICAN LIMITED

093

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

SHEET 1/2

Bore no.: E1, ___ Commenced time: 3.00 PM Date: 16.2.81 Machine: GEMCO 210B Casing shoe diameter: Ext. 9.0 cm Int 7.5 cm

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 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	(g) per cu m	metre-gram	cum metre-gram	prog wt (g) per cu m	
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	0.018 +T				Drilled then cased.
2-3	1	Ochre clays	M			4.0	23.0		6.0					28.19	0.008 +T				
3-4	1	" " "	M			4.0	27.0		8.4					27.05	—				
4-5	1	" " "	S			6.5	33.5		10.7					23.45	0.017 +T				
5-6	1	" " "	S			6.0	39.5		7.2					27.06	0.033 +T				
6-7	1	" " "	S			7.0	46.5		7.0					18.10	—				
7-8	1	" " "	S			6.0	52.5		7.5					14.71	0.358 0.01				
8-9	1	" " "	S			1.0	53.5		1.6					9.50	—				Cored. No recovery. Cased, then sampled

979142

Bottomed / Unbottomed at ___ metres on ___ bedrock

Average field grade ___ g. per cu. m.

979143

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

094

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 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 wt. (g) per cu. m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
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	0.025 +T				
12-13	1	" "	S			7.0	80.5		9.3					20.70	-				
13-14	1	Weathered ochre	S																Cored. Recovered
		shales																	0.95m.
		EOH silts				6.0	86.5		9.6					30.00	-				

979144

Bottomed / Unbottomed at _____ metres on Mathinna bedrock shales.

Average field grade _____ g. per cu. m.

979145

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV. GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cu m)	silver (mg/cu m)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt (%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt (%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

095

979146

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) -20#	-10mm +20#	-20# +10mm	
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

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: 19.2.81 Foreman panner: A. JACKSON Supervisor: S. DOUGLAS

Collar level: _____

DEPTH (m)	THICKNESS (m)	DESCRIPTION OF GROUND	TENACITY	THEORETICAL VOL (1000 lbs. cu.m.)		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.	wt. (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
0-1	1	Brown sand & silt	F			3.5	3.5		2.0										Cased only
1-2	1	Brown-ochre clayey sands, & gravels of quartz sandstone & dolerite.	F			8.5	12.0		11.2										Drilled then cased. 1 colour.
2-3	1	Ochre sands; gravels & chips of quartz sandstone & dolerite.	F			15.0	27.0		27.5										1 colour
3-4	1	" " "	F			15.0	42.0		28.2										
4-5	1	Sands & gravels of quartz & sandstone	F			16.0	58.0		38.3										1 colour
5-6	1	" " "	F			23.0	81.0		42.2										2 colours
6-7	1	Khaki-grey sandy clay	M			6.0	87.0		9.8										1 colour

979147

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979148

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN.

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum.)	silver (mg/cum.)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE		
	MINERAL	wt(%)
	Cassiterite	
	Ilmenite	
	Zircon	
	Monazite	
	Pyrite	
	Gold	
	Tantalite	
	Others	
	TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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

Bore no.: E2 Commenced time: Date: Machine: Casing shoe diameter: SHEET 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			CLAY	actual wt (g) record	wt (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
										+10 mm	-10 m +20 #	-20 #							
7-8	1	Grey sandy clay	M			4·0	91·0		6·0										
8-9	1	" " "	M			4·0	95·0		5·1										
9-10	1	" " "	S			2·0	97·0		3·2										
10-11	1	0.95m stiff grey clay																	CORED
		0.05m grey shale																	
		EOH 6.1hs				4·0	101·0		5·0										

979149

Bottomed / Unbottomed at 10·95 metres on Mathinna bedrock

Average field grade ____ g per cu m.

979150

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	$ per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass. conc at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE					
		ASSAY RESULTS (ppm)			
size (BSS #)	wt(%)	Sn	Au	Ag	
+ 20					
+ 52					
+ 72					
+ 100					
+ 120					
+ 150					
+ 200					
- 200					
TOTAL					

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

098

979151

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) +20mm	~~-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

099

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

Bore no.: E3 Commenced time: 4.45 PM Date: 18.2.81 Machine: GEMCO 2108 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 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.	wt. (g) per cu.m.	metre-gram	cum. metre-gram	prog. wt. (g) per cu. m.	
0-1	1	Brown sand & silt	F			5.0	5.0		5.0										Cased only.
1-2	1	Khaki. sandy clay	F			1.0	6.0		1.4										Drilled then cased.
2-3	1	coarse sands & gravels; chips of quartz sandstone & dolerite	F			13.0	19.0		22.3										
3-4	1	Gravels & chips of quartz sandstone & dolerite	F			23.0	42.0		41.2										
4-5	1	" " "	F			13.0	55.0		22.2										
5-6	1	Sands & gravels	F			7.5	62.5		13.9										
6-7	1	" " "	F			15.0	77.5		26.4										
7-8	1	Khaki sandy clay	M			5.0	82.5		6.6										

979152

Bottomed / Unbottomed at 17.0 metres on Sandy clay.

Average field grade _____ g. per cu. m.

979153

DELAYS

DATE	CAUSE OF DELAYS	HOURS	MIN

TYPE OF SEDIMENT	metres	metre-gram	g.per cu m
Tailings — free, sandy/clayey			
Tailings — stiff clay			
Virgin alluvium — free, sandy/clayey			
Virgin alluvium — stiff clay			
AV GRADE TO BEDROCK	cass conc at 72% Sn (g/cu m)	gold (mg/cum)	silver (mg/cum)
Grade calculated from assay results			
Grade calculated from physically free minerals			

FIELD CONCENTRATE				
size (BSS #)	wt(%)	ASSAY RESULTS (ppm) Sn	Au	Ag
+ 20				
+ 52				
+ 72				
+ 100				
+ 120				
+ 150				
+ 200				
- 200				
TOTAL				

MINERALOGICAL ANALYSIS OF FIELD CONCENTRATE	
MINERAL	wt(%)
Cassiterite	
Ilmenite	
Zircon	
Monazite	
Pyrite	
Gold	
Tantalite	
Others	
TOTAL	

Remarks:

AUSTRALIAN ANGLO AMERICAN LIMITED

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 lin. cu.m)		ACTUAL VOLUME			WT OF MATERIALS (kg)	WT (%)				FIELD CONCENTRATE					REMARKS
				section	cum	section (1000 lin. cu.m)	cum (1000 lin. cu.m)	section vol rec.(%)		SANDS/GRAVELS			CLAY	actual wt.(g) record	wt.(g) per cu.m.	metre-gram	cum. metre-gram	prog. wt.(g) per cu. m.	
										+10 mm	-10 m +20 g	-20 g							
8-9	1	Grey clay	S			4·0	86·5		7·4										
9-10	1	" "	S			1·5	88·0		1·5										
10-11	1	Grey sandy clay	M			7·0	95·0		12·1										
11-12	1	" " "	M			6·0	101·0		10·2										
12-13	1	Grey clay	S			1·0	102·0		1·1										CORED. Recovered 1.0m
13-14	1	Grey sandy clay	M			1·5	103·5		2·8										
14-15	1	" " "	M			4·0	107·5		5·3										
15-16	1	Grey sandy clay & chips	M			2·0	109·5		2·8										
16-17		" " "	M																CORED. Recovered 0.45m
		EOH SILTS				15·0	124·5		7·5										

979154

Bottomed / Unbottomed at _____ metres on _____ bedrock

Average field grade _____ g. per cu. m.

979155

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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			Clay (Kg)
			~~-10mm +~~ +20# (Kg)	+20#	
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	-	15·2
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	-	4·9
15-16	2·8		0·3	-	2·5
EOH SILTS	7·5		1·8	-	5·7