ENVELOPE 6823

TENEMENT: EL 1375 - Muckanippie

TENEMENT HOLDER: Tarcoola Gold Limited; Insight Mining Pty Ltd.

TITLE: Progress and final reports for the period 6/1/87 to October 1989.

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SOUTH AUSTRALIA

DEPARTMENT OF MINES AND ENERGY

OPEN FILE ENVELOPE NO. 6823

EL 1375, MUCKANIPPIE
PROGRESS AND FINAL REPORTS FOR THE PERIOD
6/1/87 TO OCTOBER 1989

Submitted by

Tarcoola Gold Limited

1989

This report was supplied as part of the requirement to hold a mineral or petroleum exploration tenement in the State of South Australia. The Department accepts no responsibility for statements made, or conclusions drawn, in the report or for the quality of original text or drawings.

TARCOOLA GOLD LIMITED

FIRST QUARTERLY REPORT ON EXPLORATION LICENCE NO. 1375 MUCKANIPPIE, SOUTH AUSTRALIA FOR PERIOD ENDING 5 APRIL 1987

Adelaide
April 1987

D.G. Tonkin
Consulting Geologist

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KEYWORDS

MUCKANIPPIE

EL 1375

TARCOOLA SH 53-10

CARNDING 5737

MALBOOMA GOLD MINE

GOLD ASSAY

GEOLOGY

EXPLORATION

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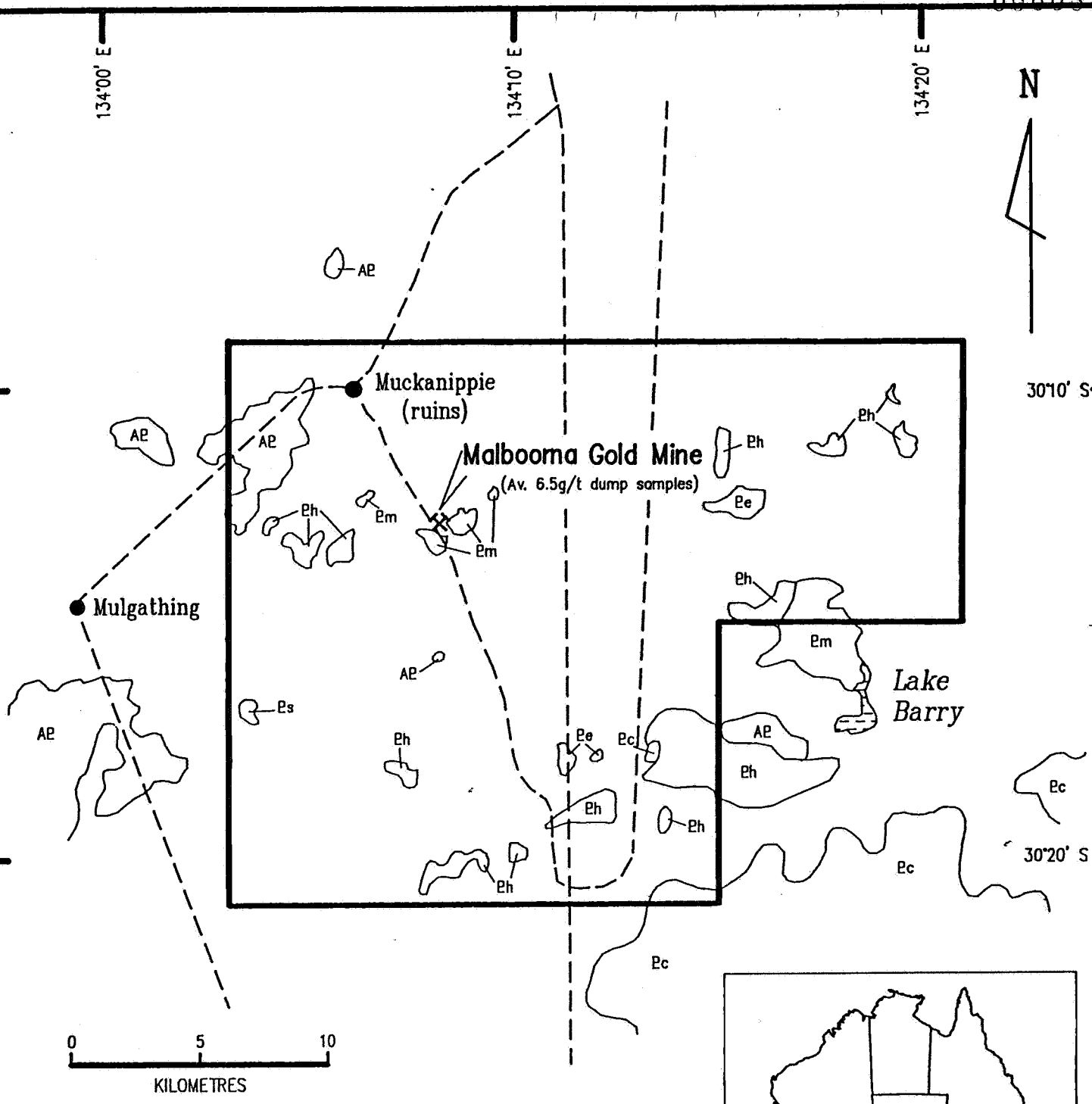
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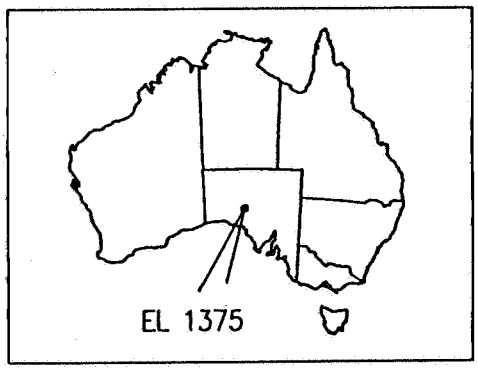
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1. SUMMARY

Earth Resources Australia Pty Ltd, consulting geologists, reviewed previous mineral exploration and mining in the Muckanippie area and proposed an exploration program for gold.

Twenty-seven reconnaissance rock samles taken in the vicinity of the Malbooma Gold Mine were assayed for gold. Nine of these samples returned gold assays above the limit of detection of 0.01 g/t Au.





Ph Hiltaba suite granites

Pc Carnding rhyodacite

Pe Ealbara ryholite

Ps Symons granite

Pm Muckanippie diorite

AP Mulgathing complex

Track

Geology based on TARCOOLA
1:250,000 sheet

BASEMENT GEOLOGY
MALBOOMA
EL 1375

Prepared for Inclusion in this Prospectus by
EARTH RESOURCES AUSTRALIA PTY LIMITED

FIGURE 1

2. INTRODUCTION

This is the first quarterly report to the South Australian Department of Mines and Energy for Exploration Licence No. 1375, Muckanippie area, being for the period 6 January 1987 to 5 April 1987.

The Muckanippie licence covers an area of about 533 square kilometres surrounding the old Malbooma Goldfield, approximately 70 km northwest of Tarcoola (Figure 1). The Licence was granted to Insight Mining Pty Ltd, now known as Tarcoola Gold Limited, on 6 January 1987, to search for gold and other metals.

Basement rocks consist of Archaean gneissic metasediments, including banded iron formation. These are overlain by acidic phases of the Gawler Range Volcanics, of Proterozoic age. Intruding is the Muckanippie Diorite, a possible intrusive phase of the volcanics, and host to the known gold mineralization. All the above rocks are are intruded by Proterozoic granites of the Hiltaba Suite and by dykes of the Wiltabbie Volcanics, which include both acid and basic types.

3. GEOLOGICAL ASSESSMENT

Earth Resources Australia Pty Ltd made a geological assessment of the area. Their report, which is included as an Appendix to this report, originally formed part of the Independent Geologists' Report in the Tarcoola Gold Limited prospectus.

The Independent Geologists' Report contains a history of the mining and previous exploration, a description of the known geology and the target mineralization, and a proposed exploration program. The principal exploration targets are seen as "Sheared and altered zones within and on the contacts of the Hiltaba Suite Granites and Muckanippie Diorite".

4. GEOCHEMICAL RECONNAISSANCE

Tarcoola Gold collected twenty-seven samples from the vicinity of the old Malbooma Gold Mine. Six of the samples were mullock from the old mine dumps, and of these four were quartz veins that assayed 11.0, 0.87, 6.3 and 5.0 g/t Au respectively. The other two were country rock samples, which assayed less than 0.01 g/t Au.

The remaining twenty-one samples were float of both country rock and quartz. Five samples returned assays above the detection limit of 0.01 g/t Au, with a maximum of 0.74 g/t Au.

Assay details are shown in Table 1.

SAMPLE NO.	Au ppm	ROCK TYPE	LOCATION
MGM1	<0.01	Altered diorite	Malbooma Mine dump
MGM2	<0.01	Acid igneous rock?	Malbooma Mine dump
MGM3	11.00	Quartz reef	Malbooma Mine dump
MGM4	0.87	Quartz reef	Malbooma Mine dump
MGM5	6.30	Quartz reef	Malbooma Mine dump
MGM6	5.00	Quartz reef	Malbooma Mine dump
M1Q	<0.01	Ealbara Rhyolite/qtz float	
M1R	<0.01	Ealbara Rhyolite/qtz float	
M2Q	<0.01	Ealbara Rhyolite/qtz float	
M3Q	<0.01	Ealbara Rhyolite/qtz float	
M3R	<0.01	Ealbara Rhyolite/qtz float	
M4Q1	0.07	Large area of quartz float	1.5 km N White Nose Bore
M4Q2	<0.01	Large area of quartz float	1.5 km N White Nose Bore
M5Q	<0.01	Qtz float	
M6Q	0.73	Quartz	Malbooma Mine,pits .5 km W
M6R	<0.01	Dyke	Malbooma Mine,pits .5 km W
M7R	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M8R	0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M9R	0.06	Sheared diorite & dyke	E of Malbooma Au Mines
M10	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M11Q	0.04	Qtz float	E of Malbooma Au Mines
M12Q	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M13Q	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M14T	<0.01	Tuff/ignimbrite	W of Pegler Bore
M14V	<0.01	Porphyry	W of Pegler Bore
PB1	0.04	Sheared granite	E of Pegler Bore
PB2	<0.01	Sheared granite + Qtz	E of Pegler Bore

Laboratory: COMLABS. Scheme: FAS1. Job No.: 861742

TABLE 1: GOLD ASSAYS, MUCKANIPPIE EL 1375

5. FORWARD PROGRAM

It is proposed that a geophysical consultant be engaged to make an assessment of the available aeromagnetic data and to advise on the feasibility of reprocessing existing survey data to the standard available for other sections of the Tarcoola Sheet.

A photogeological interpretation is proposed, provided that a preliminary examination by a photogeologist confirms that such a study is warranted.

Field programs are to consist of reconnaissance geological mapping and geochemical sampling, with more detailed work around areas of interest, such as the Malbooma Gold Mine.

APPENDIX

INDEPENDENT GEOLOGISTS' REPORT, BY M.R. BUNNY, EARTH RESOURCES AUSTRALIA PTY. LIMITED, PAGES 14 TO 17.

3. EL 1375 MALBOOMA GOLD MINE South Australia

INTRODUCTION

Exploration Licence 1375 is located 60 kilometres north-west of the Tarcoola leases and covers 530 square kilometres of Archean and Proterozoic rocks considered prospective for gold mineralization. Tarcoola Gold is the sole applicant for the licence. The area is one of low relief, limited basement outcrop with expanses of Jurassic and Tertiary cover and has seen little exploration for gold. Known gold mineralization is restricted to the Malbooma gold workings (also known as Muckanippie), however an area of prospecting pits was reported by Kennecott Explorations (Aust) Pty. Limited some 13 kilometres north of Lake Barry. Ground covered by ELA 1375 is indicated on Figure ....

HISTORY AND PREVIOUS EXPLORATION

In 1909 a Government prospecting party located gold bearing quartz float near Muckanippie Rock Holes. Mining opened up a 1.5 metre wide quartz reef with limonitic fractures and voids after pyrite carrying gold values of around 7 g/t. Grade dropped off with depth indicating surface enrichment and the prospect was abandoned. In 1926 a syndicate was formed to work the deposit but no production is recorded.

From 1968 to 1972 Kennecott Explorations (Aust) Pty. Limited carried out a search for nickel and base metals based mainly upon aeromagnetic data. No assays for gold nor platinum group elements were carried out, however the abovementioned prospecting pits were located in an area of sheared granite carrying quartz veining containing up to 10% pyrite.

Similar areas of sheared granite with quartz veining were located but no sampling was undertaken. Two plug-like ultramafic bodies with kimberlitic affinities were located, one of which is within EL1375.

In response to Kennecott's reporting of these ultramafics the area was unsuccessfully prospected for diamonds during the 1970's and early 1980's by several companies viz. Otter Exploration N.L., Cultus Pacific N.L., Gem Exploration and Minerals Limited and C.R.A. Exploration Pty. Limited.

In 1981 Key Resources Pty. Limited held part of the area of EL 1375 as Exploration Licence 855. They considered the Archean Mulgathing Complex prospective for gold hosted by banded iron formation but relinquished the ground before completing any exploration.

During 1982, C.R.A. Exploration Pty Limited carried out localised exploration on the Malbooma gold workings (Muckanippie Gold Prospect). Samples of dump material returned gold values ranging up to 22.0 g/t with a mean of 6.6 g/t from twelve samples. This initial sampling was followed up by a programme of outcrop, float and underground sampling, hand and power augering and ground magnetics. The work was carried out over two zones separated by some 400 metres. C.R.A. Exploration considered their results indicated that mineralization of economic grade was restricted to quartz veining on a sheared granite-basic contact and no further work was undertaken. Further auger sampling, rotary air-blast (RAB) drilling or trenching is required between the two auger grids to cover areas of quartz rubble possibly indicative of more substantial shearing and veining.

A total of twenty-seven samples have been taken by the Company. Six of these are of dump material from the Malbooma gold workings, four of which returned gold assays of 11.0, 0.87, 6.3 and 5.0 g/t (quartz samples) with the remaining two (country rock) less than 0.01 g/t. The remaining twenty-one samples were of various rock types and quartz float. Five returned gold assays greater than 0.01 g/t with a maximum value of 0.74 g/t being attained.

GEOLOGY & MINERALIZATION TARGETS

Archean basement in EL1375 is composed of gneissic metasediments of the Mulgathing Complex. These include units of banded iron which are considered possible hosts for gold mineralization. Ealbara Rhyolite and Carnding Rhyodacite of the Gawler Range Volcanics overlie the gneisses and are exposed in the west and south of EL1375. Gold mineralization at Malbooma is hosted by the Muckanippie Diorite which may be an intrusive phase of the Gawler Range Volcanics.

All the above rocks are intruded by Hiltaba Suite Granites and dykes of the Wiltabbie Volcanics. Sheared and altered zones within and on the contacts of the Hiltaba Suite Granites and Muckanippie Diorite are principal exploration targets.

Over 90% of the area of EL1375 is covered by a mantle of Jurassic and Cainozoic sandstones, sands and duricrust. The area is transected by a regional north-west trending structural lineament and several north-east trending faults.

PROPOSED EXPLORATION

Stage 1 field exploration proposed by the Company involves RAB drilling and possibly trenching and reverse circulation drilling in the vicinity of the Malbooma gold workings. Areas of outcrop throughout the Exploration Licence will be examined and sampled, with particular emphasis on sheared or altered zones. Available aeromagnetic data is to be reinterpreted and a close-spaced aeromagnetic survey run over selected areas. Anomalies attributed to shear zones or other features of interest will be followed up on the ground.

Assuming favourable results from initial exploration Stage 2 will comprise further drilling of the Malbooma workings and any other targets defined in Stage 1.

Proposed expenditure budgets are $40,000 for stage 1 and $100,000 for stage 2.

TARCOOLA GOLD LTD.

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EL 1375

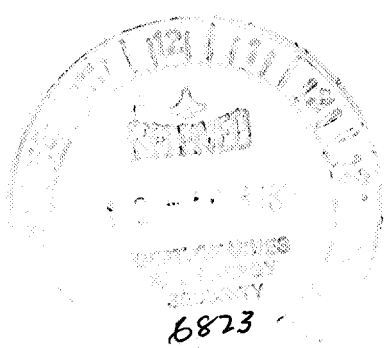
MUCKANIPPIE AREA

Statement of Expenditure Incurred up to 6th April 1987

Geological & Geophysical costs	$11,938
Drilling costs	-
Logistics	-
Depreciation	-
Administration (5%)	699
	$12,637

Figures based on expenditure by Tarcoola Gold Ltd Geologist and on Geophysics only.

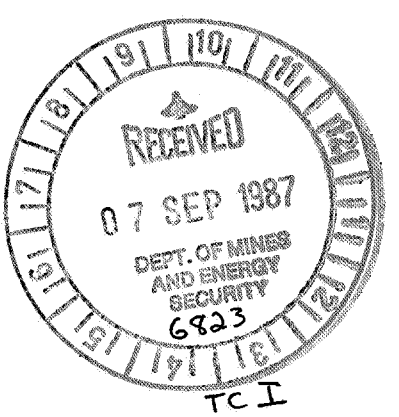
Expenditure on Earth Resources Australia Pty Ltd and Consultant Geologist is not included in these figures.



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TARCOOLA GOLD LIMITED

SECOND QUARTERLY REPORT ON EXPLORATION LICENCE NO. 1375 MUCKANIPPIE, SOUTH AUSTRALIA FOR PERIOD ENDING 5 JULY 1987



TC I

Adelaide
August 1987

D.G. Tonkin
Consulting Geologist

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EL 1375

MUCKANIPPIE

Statement of Expenditure Incurred from April 5th to July 5th 1987

Geological & Geophysical costs	$3,692.98
Drilling Costs	-
Logistics	-
Depreciation	-
Administration (5%)	$184.65
	$3,877.63

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REPORT ON PRELIMINARY PHOTOGEOLOGICAL STUDY, BY G. LAU

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1. LOCALITY MAP, E.L. 1375, MUCKANIPPIE AREA 2

PLANS (IN POCKET)

PLATE 1 PRELIMINARY PHOTOGEOLOGICAL MAP OF THE MUCKANIPPIE AREA - 1:50,000 SCALE

KEYWORDS

MUCKANIPPIE

EL 1375

TARCOOLA SH 53-10

CARNDING 5737

GEOPHYSICS

PHOTOGEOLOGY

1. SUMMARY

Photo geologist G. Lau made a preliminary geological interpretation from Lands Department RC9 aerial photographs.

Consulting geophysicist P. Woyzbun interpreted contoured data from a detailed aeromagnetic survey flown by Geosearch in 1971.

Pitt Research Pty Ltd contracted to reprocess regional aeromagnetic data for the Tarcoola Sheet.

2. INTRODUCTION

This is the second quarterly report to the South Australian Department of Mines and Energy for Exploration Licence No. 1375, Muckanippie area, being for the period 6 April 1987 to 5 July 1987.

The Muckanippie licence covers an area of about 533 square kilometres surrounding the old Malbooma Goldfield, approximately 70 km northwest of Tarcoola (Figure 1). The Licence was granted to Insight Mining Pty Ltd, now known as Tarcoola Gold Limited, on 6 January 1987, to search for gold and other metals.

Basement rocks consist of Archaean gneissic metasediments, including banded iron formation. These are overlain by acidic phases of the Gawler Range Volcanics, of Proterozoic age. Intruding is the Muckanippie Diorite, a possible intrusive phase of the volcanics, and host to the known gold mineralisation. All the above rocks are are intruded by Proterozoic granites of the Hiltaba Suite and by dykes of the Wiltabbie Volcanics, which include both acid and basic types.

3. PHOTOGEOLOGY

Mr G. Lau, of Australian Photogeological Consultants (Canberra), made a preliminary study of the region around the Malbooma Gold Mine, using Lands Department RC9 photography.

Mr Lau concluded that photo interpretation had little to offer in this area at this stage of exploration. However, the study revealed some interesting photo lineaments in the area of the Malbooma Gold Mine. It also suggested that outcrop of the Muckanippie Diorite is more extensive than mapped.

A 1:50,000 scale version of the photo geology map is included in this report (Plate 1). The photo geology report is contained the Appendix.

4. GEOPHYSICS

Tarcoola Gold engaged a geophysical consultant, Mr P. Woyzbun, to make an interpretation of the available aeromagnetic data and to advise on the feasibility of reprocessing existing regional survey data for the Tarcoola Sheet.

Mr Woyzbun completed an interpretation of contoured data for the detailed aeromagnetic survey flown by Geosearch in 1971. The area covered by this survey included E.L. 1375. An attempt to locate the original data tapes from this survey for possible re-processing was unsuccessful. However, Mr Woyzbun found the quality of the contoured data to be excellent in its present form. A report and interpretative plan are being prepared.

Reprocessing and high resolution contouring of regional aeromagnetics for the Tarcoola 1:250,000 sheet, flown at 1.6 kilometre line spacings by the BMR, was contracted to Pitt Research Pty Ltd in May 1987. Tarcoola sheet contours have not yet been produced because of a delay in BMR's digitising of the data.

5. FORWARD PROGRAM

Field programs are to consist of reconnaissance geological mapping and geochemical sampling, with more detailed work around areas of interest, such as the Malbooma Gold Mine and structural targets suggested by the geophysical interpretation. RAB drilling will be used to follow up where necessary.

Pitt Research will recontour the Tarcoola Sheet aeromagnetic data when digitising is completed by the BMR. A geophysical interpretation based on the new contours is then proposed.

6823-1

GEOLOGICAL SKETCH OF AN AREA AROUND MALBOOMA GOLD MINE, TARCOOLA 1:250 000 SHEET, SOUTH AUSTRALIA.

SCALE 1:50 000

0 ——— 5 km

Based on geological interpretation of 5 airphotos: Tarcoola 1:250 000, SVY2426, Frames 028, 030, 032, 066, 068, 7/4/1979, Dept. of Lands, South Australia. No field checking.

REFERENCE

(Refer to Tarcoola 1:250 000 S.A. geological atlas series sheet SH 53-10, 1985, for details.)

Quaternary	Qha	Alluvium in drainage channels
	coll	Colluvium
Tertiary	Tsi_2	Silcrete
	Tfe	Ferricrete
Late Jurassic	Jua	Algebuckina Sandstone Calcrete over Jua; light-toned Colluvium over Jua
Middle Proterozoic	$P\delta h$	Granite - adamellite Colluvium over $P\delta h$
	$P\alpha_3$	Carnding Rhyodacite Colluvium on $P\alpha_3$ Recessive, ? tuff beds
	$P\alpha_2$	Earlbara Rhyolite Colluvium over $P\alpha_2$
	$P\beta_2$	Muckanippie Diorite Colluvium over $P\beta_2$
Archaean	APmc	Mulgathing Complex Colluvium over APmc

- Geological boundary, position accurate
- Geological boundary, position approximate
- Geological boundary, inferred
- Photointerpreted strike and dip, of bedding, <5°
- Photointerpreted strike and dip, of bedding, 5°-15°
- Photointerpreted strike and dip, of duricrust, <5°
- Trace of bedding
- F Fault
- Joint or fracture trace
- Dyke
- Trend of uncertain origin
- Vehicle track
- Fence
- Drainage
- ⊙068 Airphoto centre

Draft sketch prepared for Tarcoola Gold Ltd, Adelaide, by Australian Photogeological Consultants, Canberra. 5 May, 1987.

APPENDIX

REPORT ON PRELIMINARY PHOTOGEOLOGICAL STUDY, BY G. LAU

AUSTRALIAN PHOTOGEOLOGICAL CONSULTANTS

Principal **J. G. (Tim) Wilson**

Specialising in photogeology and remote sensing for exploration
48 Jacka Crescent, Campbell, A.C.T. 2601, Australia
Postal Address: P.O. Box 43, Campbell, A.C.T. 2601, Australia
Telegraphic: "Imaginterp" Canberra. Telephone: (062) 47 6647

Your ref:

Our ref: JGW/aw/APC795

25th May, 1987.

Mr. D. Tonkin,
Tarcoola Gold Ltd.,
G.P.O. Box 1309,
ADELAIDE,
S.A. 5001.

Dear David,

Geoff Lau's map and report are a pretty fair reflection of a competent photogeological reconnaissance and I hope you concur. One barely "gets ones eye in" in two days, and without any supporting information the task is always made more difficult. Hopefully you will get a few ideas to follow that may have taken longer to generate otherwise.

There are 2 mistakes in the typing (my assessment, I haven't been able to speak with Geoff) (i) in para. 3, substitute sinistral for dextral (ii) in para. 6 substitute sulphate for sulphide.

Good luck in your exploration.

Yours sincerely,

Tim Wilson

J.G. WILSON.

51 Investigator Street,
Red Hill, ACT 2603.
9 May, 1987.

Mr K. Moriarty,
Tarcoola Gold Limited,
GPO Box 1309,
Adelaide, SA 5001.

Dear Mr Moriarty,

This letter describes my brief photointerpretation of Malbooma in the northern part of the Tarcoola 1:250 000 sheet area, and Mount Finke in the southern part. The 1:87 000 scale airphotos and the Tarcoola 1:250 000 geological sheet which you supplied are enclosed, together with the annotated photo overlays, and one film print and one hand-coloured paper print of the photoscale geological sketch of each area. The letter and maps should be regarded as provisional. They will be checked and confirmed by Tim when he returns to Canberra next week.

1. MALBOOMA AREA

Interpretation in this area was difficult, because the outcrop is poor and seems to lie largely in the ferruginised and pallid zones of a Tertiary laterite profile. Four pre-Palaeozoic units mapped by Daly (1985) (Mulgathing Complex AEmc, Muckanippie Diorite Eß$_2$, Earlbara Rhyolite Eα_2 and Carnding Rhyodacite Eα_3), and the Tertiary duricrust units (Tsi$_2$ and Tfe) are not distinctive, and I have used the Tarcoola 1:250 000 sheet to identify them. The annotation was made without any knowledge of the geological nature and setting of the gold mine, apart from the description of a quartz reef with minor boxworks and of samples collected from shear zones and dykes in diorite, noted on the back of photo 030.

The area around Malbooma seems to be cut by a series of north-trending lineaments. One which bisects the main outcrop northeast of Malbooma is topographically recessive, and might be a shear zone. The separation of outcrop south and northeast of Malbooma could be due to dextral wrenching on the lineament that trends between them. On outcrops near Malbooma and throughout the area examined, narrow zones or lines of darker vegetation or contrasting soil tone are interpreted as dykes, and these commonly trend north-northeasterly and east-northeasterly. The writing on photo 030 tends to obscure detail near Malbooma. If the use of overlays is not convenient, could I suggest you use only omnichrom pencil on the face of the photos, and pin-prick locations through to the back where they can be marked permanently.

Jurassic outcrop in the north forms characteristic rounded, scrub-covered hills, irregularly dissected by lighter-toned colluvial-filled gullies which form weakly-connected, and sometimes internal drainages. In the northwest and south, large light-toned sheets with patches of scrubby vegetation appear similar to groundwater calcrete, and have been interpreted as calcrete overlying Jurassic. The geological sheet shows most of the area around Malbooma

as Qpt (carbonate-cemented sandy detritus over iron-cemented sand and grit) overlying Jua. Similar non-outcrop areas in the surrounding region have exploration drillholes penetrating Jua, but it is not clear to me that there is any hard evidence for Qpt/Jua here. Two sets of photolineations trending northeast and east-northeast characterise this area, and similar photolineations are developed to the northeast. They do not appear to be firescars, and may indicate shallow A-P bedrock.

The photolineated area mentioned above, and a number of other areas marked as possible shallow bedrock, may be worth checking. Possible dykes and lineaments in the $P\beta_2$ outcrops north-northeast and west-southwest of Malbooma may also be significant (the latter outcrop was mapped as Pγh by Daly, 1985). If your aim in this area is to locate and sample shear zones and dykes in the Proterozoic units, larger scale airphotos (1:25 000 or 1:50 000 if available) would be useful.

TARCOOLA GOLD LTD.

1st Fl., 68 North Terrace, Kent Town, South Australia 5067
Postal Address: P.O. Box 2010 Kent Town, South Australia 5071
Telex: AA88765 (Att. AD998) Facsimile: (08) 363 1920
Telephone: National (08) 363 1663 International + 618 363 1663

22 October 1987

Director-General
Department of Mines & Energy
PO Box 151
EAST WOOD SA 5063

Dear Sir,

THIRD QUARTERLY REPORT ON EL 1375, MUCKANIPPIE AREA
FOR PERIOD JULY 5TH TO OCTOBER 5TH 1987.

Enclosed is a copy of a report titled "Third Quarterly Report of Exploration Licence No. 1375 Muckanippie, South Australia, for Period Ending 5 October 1987".

During the last quarter, two separate minor sampling programs were carried out. The interpretation of Aeromagnetic data for the Malbooma region was completed by consulting geophysicist Mr Peter Woyzbun.

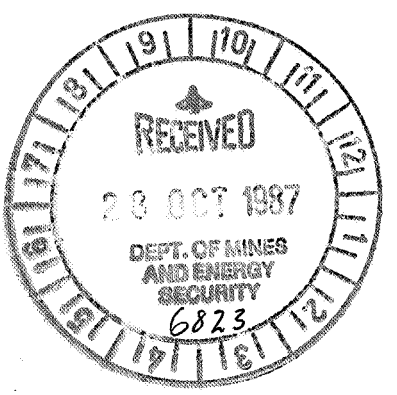
In October an extensive study of the area will commence and will include extensive grid work, a detailed magnetometer study and a comprehensive sampling program. Mapping of the area will also commence.

Exploration expenditure for the period totalled $4,444.28 which was incurred as detailed on the attached Statement of Expenditure, bringing total expenditure on EL 1375 to $20,958.91.

Yours faithfully,

for Kevin Moriarty

Kevin Moriarty
Chairman



TARCOOLA GOLD LIMITED

THIRD QUARTERLY REPORT ON EXPLORATION LICENCE NO. 1375 MUCKANIPPIE, SOUTH AUSTRALIA FOR PERIOD ENDING 6 OCTOBER 1987

Adelaide
October 1987

Paula Ivey
Geologist

COPY NO: 1

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KEYWORDS

MUCKANIPPIE

EL 1375

TARCOOLA SH 53-10

GEOPHYSICAL INTERPRETATION

GOLD ASSAYS

INDICATOR ELEMENT ASSAYS

GEOCHEMICAL ANALYSIS

SAMPLING PROGRAM

EL 1375

MUCKANIPPIE

Statement of Expenditure Incurred from July 5th to October 5th 1987

Geological & Geophysical cost	$1,467.87
Drilling Costs	-
Logistics	$2,764.78
Depreciation	-
Administration (5%)	$211.63
	$4,444.28

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3.	GEOLOGICAL ASSESSMENT	3
4.	GEOCHEMICAL RECONNAISSANCE	4
5.	GEOPHYSICAL INTERPRETATION OF AEROMAGNETIC DATA	5
6.	FORWARD PROGRAM	6

APPENDIX

1. GOLD AND INDICATOR ELEMENT ASSAYS BY COMLABS - JOB NO.Com 872052

2. GOLD AND INDICATOR ELEMENT ASSAYS BY COMLABS - JOB NO. Com 872404

3. REPORT ON GEOPHYSICAL INTERPRETATION OF AEROMAGNETIC DATA FOR MALBOOMA
E.L. 1375 AREA BY MR PETER WOYZBUN.

LIST OF ILLUSTRATIONS

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1.	GOLD AND INDICATOR ELEMENT ASSAYS MALBOOMA E.L. 1375 SAMPLING PROGRAMS 1 AND 2	4

PLANS - (IN POCKET)

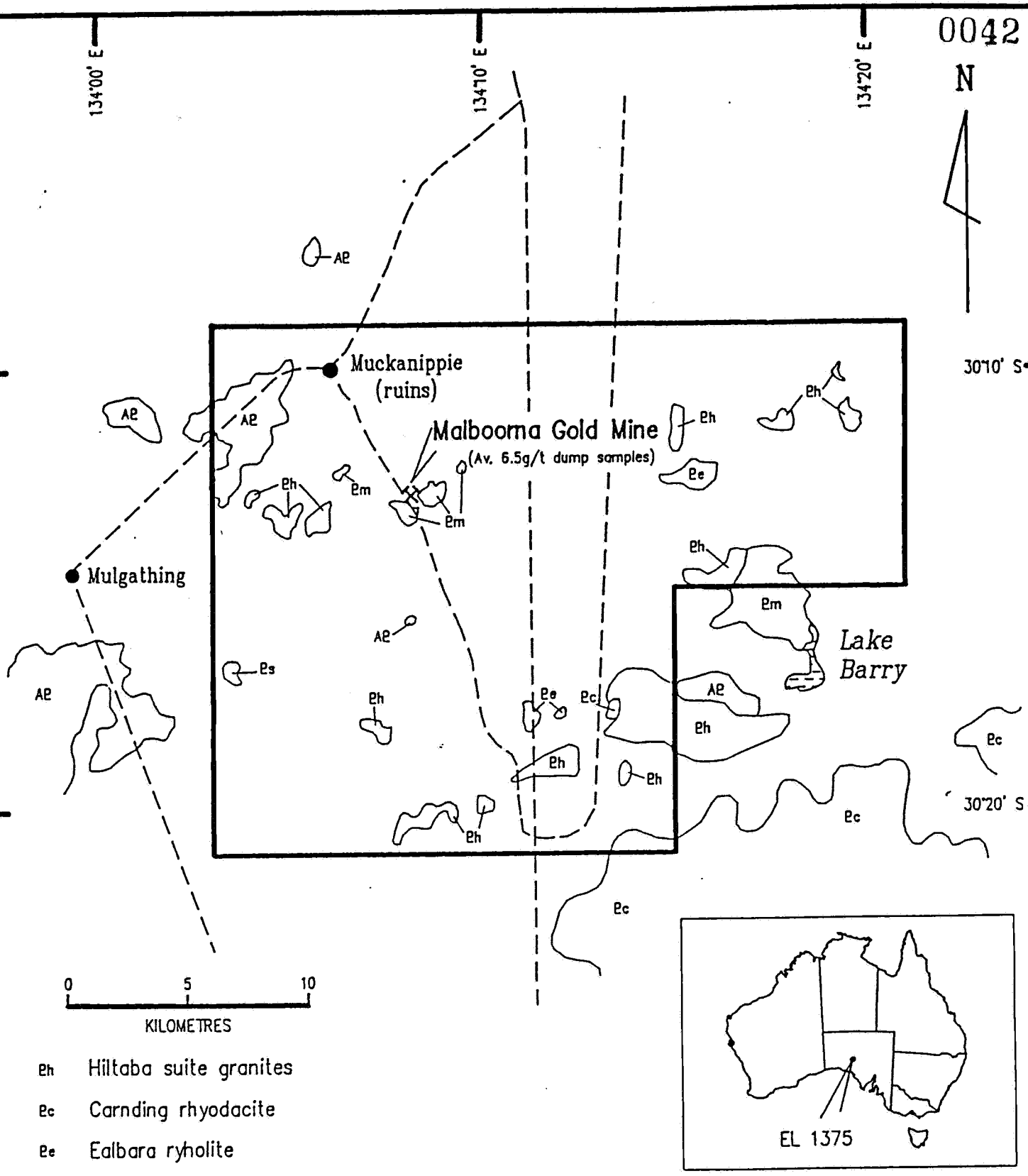
PLATE 1 GEOPHYSICAL INTERPRETATION OF REGIONAL AEROMAGNETIC MAP OF MALBOOMA AREA E.L. 1375 1:100,000 scale.

1. SUMMARY

Tarcoola gold geologists Don Buchholz and Tony Rovira made a reconnaissance visit to the Malbooma mine region and collected samples for geochemical analysis. Contract geologist Genesio Circosta also made a visit to the area and again collected samples for geochemical analysis.

Consulting geophysicist Mr Peter Woyzbun interpreted contoured data from a detailed aeromagnetic survey flown by Geosearch in 1971.

A detailed geological study of the area is currently in progress. This includes mapping, gridwork, magnetometer work, and sampling.



Eh Hiltaba suite granites

Ec Carnding rhyodacite

Ee Ealbara ryholite

Es Symons granite

Em Muckanippie diorite

AE Mulgathing complex

Track

Geology based on TARCOOLA
1:250,000 sheet

BASEMENT GEOLOGY
MALBOOMA
EL 1375

Prepared for Inclusion in this Prospectus by
EARTH RESOURCES AUSTRALIA PTY LIMITED

FIGURE 1

3. GEOLOGICAL ASSESSMENT

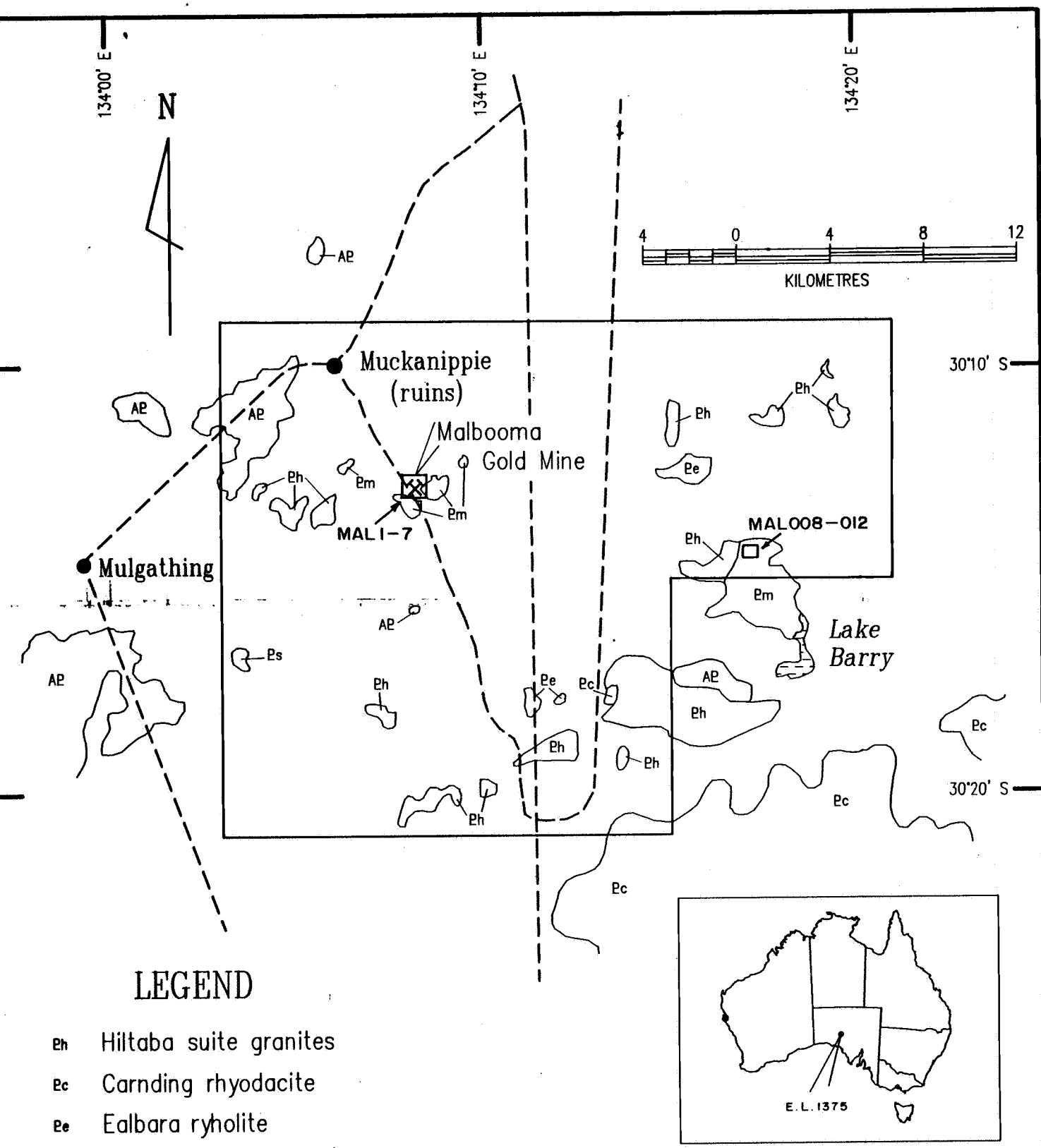
Earth Resources Australia Pty Ltd made a geological assessment of the area. Their report, originally formed part of the Independent Geologists' Report in the Tarcoola Gold Ltd prospectus.

The Independent Geologists' Report contains a history of the mining and previous exploration, a description of the known geology and the target mineralization, and a proposed exploration program. The principal exploration targets are seen as "Sheared and altered zones within and on the contacts of the Hiltaba Suite Granites and Muckanippie Diorite".

SAMPLE NO.	Au ppm	ROCK TYPE	LOCATION
1) MAL 1	.18	Kaolinitic weathered wallrock	Malbooma Mine Dump.
2) MAL 2	21.3	Green epidotic V.Q. with pyritic fractures	Malbooma Mine Dump
3) MAL 3	5.6	Blue-grey vein quartz	Malbooma Mine Dump
4) MAL 4	.31	Kaolinitic weathered wall rock	Malbooma Mine Dump
5) MAL 5	1.02	Brown ferrugenous VQ & brown clay	Malbooma Mine Dump
6) MAL 6	3.1	White & blue-grey VQ with brown ferrugenous staining & minor pyrite	Malbooma Mine Dump
7) MAL 7	5.3	White & blue-grey VQ with brown ferrugenous staining & minor pyrite	Malbooma Mine Dump
8) MAL 008	<0.01	Course grained recrystalized diorite Feldspathic, chloritic & actinolite rich	Just south of Pedler Bore
9) MAL 009	<0.01	Fine grained aplitic dyke	Just south of Pedler Bore
10) MAL 010	<0.01	Aplitic dyke	Just south of Pedler Bore
11) MAL 011	<0.01	Course grained granite with actinolite & epidote	Just south of Pedler Bore
12) MAL 012	<0.01	Quartz vein	Just south of Pedler Bore

Laboratory: COMLABS SCHEME: FAS1 JOB No: COM 872052
COM 872404

TABLE 1: GOLD ASSAYS, MALBOOMA EL 1375



LEGEND

- Ph Hiltaba suite granites
- Pc Carnding rhyodacite
- Pe Ealbara ryholite
- Ps Symons granite
- Pm Muckanippie diorite
- AP Mulgathing complex
- Track

Geology based on TARCOOLA
1:250,000 sheet

TARCOOLA GOLD LTD.
SAMPLE LOCATIONS
MUCKANIPPIE
E.L. 1375

Figure 2

4. GEOCHEMICAL RECONNAISSANCE

Tarcoola Gold Ltd,collected twelve samples during two separate sampling programs from the vicinity of the old Malbooma Gold Mine. Seven of the samples were collected during the initial visit. They were collected from the old mine dumps, and of these, five were quartz veins that assayed 21.3, 5.6, 1.02, 3.1 and 5.3 g/t Au. The highest assay of 21.3 g/t Au was from sample MAL 2,a green epidotitic vein quartz with pyritic fractures. Three other samples (MAL 3, MAL 6, and MAL 7) returned values above the current economic cut-off of 3.0 g/t Au. These values re 3.0 , 3.1 and 5.3 g/t Au respectively. The two remaining samples were kaolinitic weathered wall rock and returned low values. The remaining five samples were collected during the second visit. They all (MAL 008-012) returned values of < 0.01 detection level. They were of diorite, aplitic dyke, granite and quartz vein rock types and were collected from just south of Pegler bore.

Assay details are shown in Table 1.

5. AEROMAGNETIC INTERPRETATION

Tarcoola Gold engaged a geophysical consultant , Mr P. Woyzbun, to make an interpretation of the available aeromagnetic data. Mr Woyzbun completed his interpretation of the contoured data for the detailed aeromagnetic survey flown by Geosearch in 1971. The area covered by this survey included E.L. 1375. Mr Woyzbun found the quality of the contoured data to be excellent in its present form. A report (Appendix 3) and interpretative plan follow. (Plate 1).

Reprocessing and high resolution contouring of regional aeromagnetics for the Tarcoola 1 : 250,000 sheet, flown at 1.6 kilometre line spacings by the BMR, was contracted to Pitt Research Pty Ltd in May 1987.

6. FORWARD PROGRAM

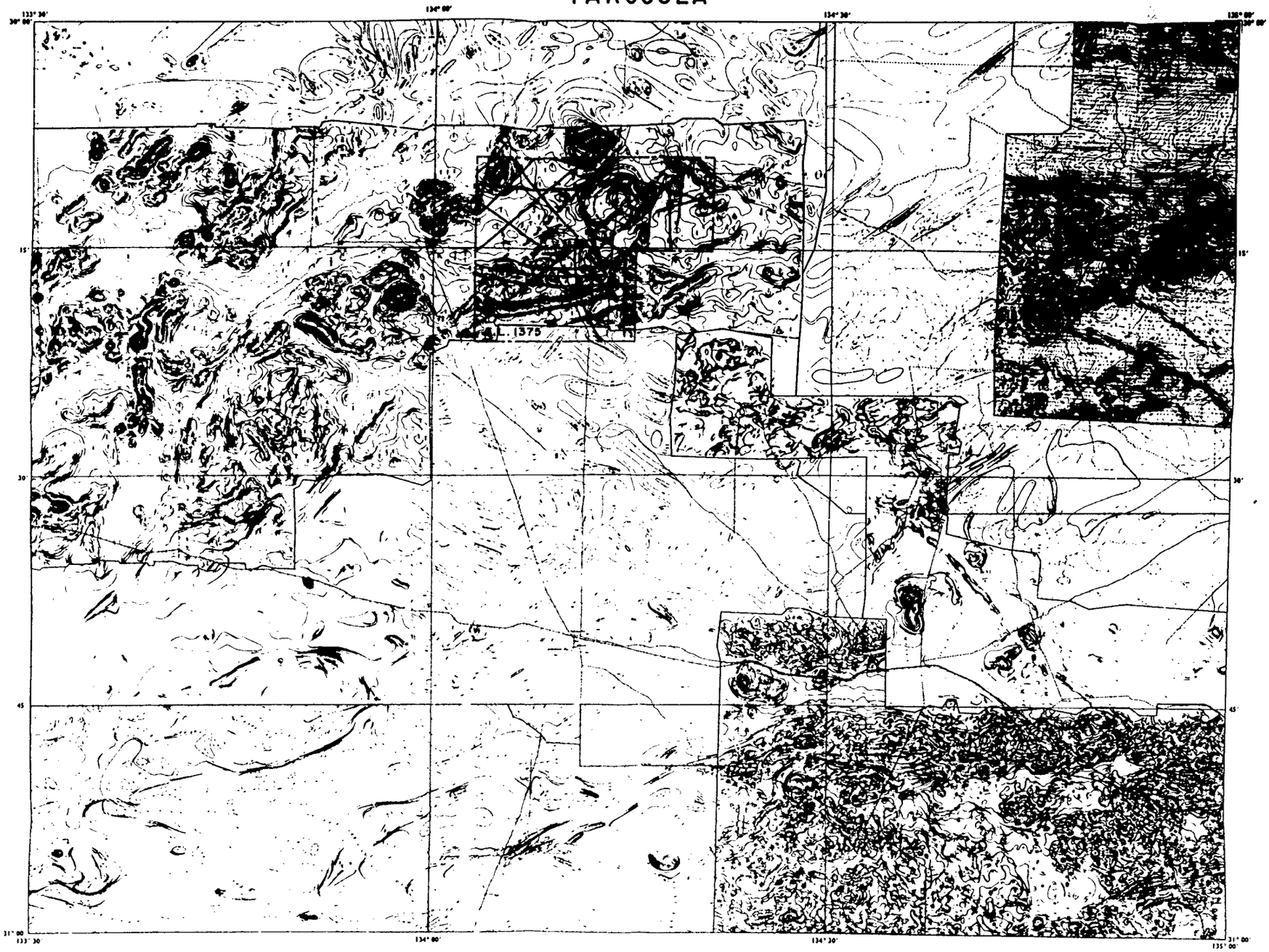
During October 1987 an extensive geological study of the E.L. 1375 area will commence. The field programs are to consist of reconnaissance geological mapping and extensive geochemical sampling (at 200m x 25m intervals). Detailed magnetometer work will also be carried out at 200m x 50m intervals, and the grid will be extended. Further sampling of the Muckanippie Diorite and the Ealabara Rhyolites outcrop is to take place. More detailed work will take place around areas of interest such as the Malbooma Gold Mine and any structural targets suggested by the geophysical interpretation. Possible 2 metre interval auger drilling and RAB drilling (including track installation to facilitate movement) may follow. The Malbooma mine is to be inspected, mapped and sampled as necessary.

TARCOOLA

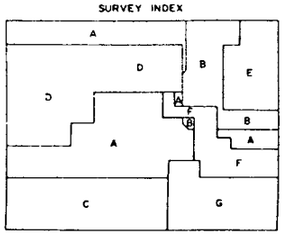
GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY ADELAIDE

3rd Edition

TARCOOLA

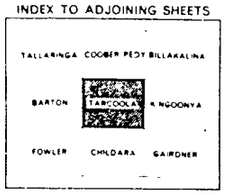


SURVEY INDEX



A SADM
B SADM
C SADM
D Kennecott Explorations(Aust) Pty Ltd
E Samedan of Australia
F Getty Mining Pty Ltd
G SADME

INDEX TO ADJOINING SHEETS



TARCOOLA GOLD LIMITED

SCALE
1 : 250 000

MILES 0 1 2 3 4 5 6 7 8 9 10 11 12 MILES

KILOMETRES 0 2 4 6 8 10 12 KILOMETRES

CROWN COPYRIGHT RESERVED

Prepared by the Geophysics Section, S.A. Department of Mines and Energy.
R.A. Barker, B.Sc (Hons.), Geophysicist, K.G. Hosken, B.Sc (Hons.), Supervising Geophysicist

Cartography by Drafting Branch, S.A. Department of Mines and Energy, Adelaide

AEROMAGNETIC MAP OF TOTAL INTENSITY

Published 1983

SURVEY SPECIFICATIONS

SURVEY ALTITUDE A 80m AGL, B 60m AGL, C 80m AGL, D 35m ATC, E 100m ATC, F 80m AGL, G 60m AGL

FLIGHT LINE SPACING A 0.5km E-W, B 2.5km E-W, C 1.5km E-W, D 0.5km N-S, E 0.5km E-W, F 0.5km E-W, G 1.5km N-S, 1.0km E-W

CONTOUR INTERVAL A 100nT, B 100nT, C 50nT, D 12nT, E 50nT, F 20nT, G 5nT

The surveys were flown by -

A Adastra Hunting Geophysics Ltd for S.A.D.M. in 1977
B Bureau of Mineral Resources for S.A.D.M. in 1974
C Bureau of Mineral Resources for S.A.D.M. in 1974
D Kennecott Perth for Kennecott Explorations(Aust) Pty Ltd in 1978
E Geometrics International Corporation for Samedan of Australia in 1979
F Geometrics International Corporation for Getty Mining Pty Ltd in 1975
G Aerial Surveys Pty Ltd for S.A.D.M.E. in 1978

The surveys were flown using analog recorders from unrectified aerial photographs. The user must be assumed to be approximate only.

Compiled under the direction of R.K. Jones, B.Sc. Director-General, S.A. Department of Mines and Energy

Issued under the authority of the Honourable R.G. Payne, M.P., Minister of Mines and Energy

LEGEND

Magnetic contour (values in nano-Teslas) 1000

Magnetic Low

GEOPHYSICAL INTERPRETATION — P.WOYZBUN, 1987

6823-2 TARCOOLA 83-427

APPENDIX 1
Gold and Indicator Element Assays
by Comlabs Job No. Com 872052

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

Wallaroo
Ann Mike

NATA REGISTERED No. 1526

OUR REF.: COM872052

YOUR REF.: 1008

Mr. T. Rovira,
Tarcoola Gold Ltd.
68 North Terrace

KENT TOWN
SA 5067

August 28, 1987

Dear Tony,

RE: JOB COM872052

Enclosed are the assays for the samples delivered to our laboratory on August 20, 1987

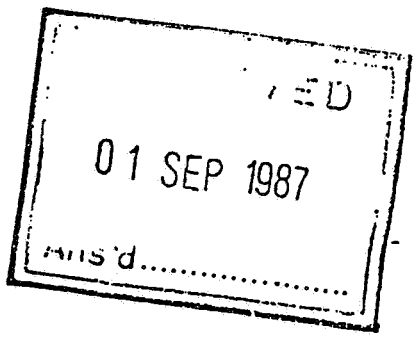
Yours Sincerely,
COMLABS SERVICES PTY LTD

per :

P R Bowey

c.c.: Tarcoola / Kent Town No. of copies : 1

Report Length 5 pages



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0052

ANALYTICAL REPORT

JOB COM872052
O/N : 1008

SAMPLE	Au	Au Dp1	Au Dp2	Au Dp3
MAL 1	0.18	-	-	-
MAL 2	21.3	22.5	20.0	21.5
MAL 3	5.6	5.3	5.9	-
MAL 4	0.31	-	-	-
MAL 5	1.02	0.78	1.35	0.92
MAL 6	3.1	3.4	2.9	-
MAL 7	5.3	5.4	5.3	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
		-	-	-
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

NATA Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

0053

ANALYTICAL REPORT

JOB COM872052
O/N : 1008

SAMPLE	Sb	As	Mo	W
MAL 1	<4	9	14	<10
MAL 2	10	9	16	<10
MAL 3	4	6	24	<10
MAL 4	4	4	<2	10
MAL 5	8	10	5	15
MAL 6	<4	6	12	<10
MAL 7	4	5	10	<10
UNITS	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1

APPENDIX 2
Gold and Indicator Element Assays
by Comlabs Job No. Com 872404

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

NATA REGISTERED No. 1526

OUR REF.:
COM872404
YOUR REF.:
1105

Mr. G. Circosta,
Tarcoola Gold Ltd.
68 North Terrace

KENT TOWN
SA 5067

October 5, 1987

Dear Genesio,

RE: JOB COM872404

Enclosed are the assays for the samples delivered to our laboratory on September 21, 1987

Yours Sincerely,
COMLABS SERVICES PTY LTD

per:

c.c.: Mr. D. Buchhoz No. of copies : 1

Report Length 9 pages

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ANALYTICAL REPORT

JOB COM872404
O/N : 1105

SAMPLE	Au	Sb	As	Mo	W
MAL 008	<0.01	10	5	2	<10
MAL 009	<0.01	6	3	8	<10
MAL 010	<0.01	<4	6	6	10
MAL 011	<0.01	6	4	<2	10
MAL 012	<0.01	6	5	14	<10
UNITS	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	XRF1	XRF1	XRF1	XRF1

APPENDIX 3

Report on Geophysical Interpretation
of Aeromagnetic Data for Malbooma area
E.L. 1375 by Mr Peter Woyzbun

4.1 Muckanippie E.L. 1375 and the remainder of Geosearch area.

This area is covered by a technically very good aerial survey carried out by Geosearch on behalf of Kennecott.

I have indicated many significant lineaments, many of which represent major faulting. There apppears to be a certain element of symmetry in the magnetic pattern in the western part of the area, with the Mulgathing Trough as the axis of this apparent symmetry. The major magnetic features appear to arc slightly about this structure. The main magnetic trends in this part of the area seem to run generally in the NE-SW direction. A major change in this pattern occurs beyond faults Aa and Bb. East of these, the magnetic trends tend to be in the east-west direction with the exception of an anomaly belt coloured in orange due to the BIF's at the western flank. Incidentally I did not mark the responses by Robin Gerdes on his interpretation map.

The orange coloured belt of anomalies has been displaced in places by faulting, but magnetically appears to be unchanged all along its length. At Mulgathing Trough this displacement is westerly on the northern side. Similar displacement is evident at the point P where BIF's cross the trough. This suggests that at least one of the trough-forming faults is a wrench fault. Also at the point P the BIF's can be seen crossing the trough at depth. Here they might form a bar providing a trap for alluvial gold concentration. If it exists it is however quite deep.

The intrusive 13 seems to have been emplaced through and along one of the trough's faults.

Intrusive 12 is unknown.

Mulgathing Trough seems to have a tributary joining it west of 13 from the NNE. The Trough itself is accompanied by a strongly developed gravity low. A small low can also be discerned along this tributary.

As far as pinpointing areas covered by granites is concerned, it has to be stressed that this is practically impossible. Both Hitalba and Glenloth granites are non-magnetic. They are quite undistinguishable from one another on the magnetic body. As a guide of sorts it can be said that any part of the area where the magnetic contours are "quiet" (not necessarily low) could contain granites. There are two circular features within (or partly within) the E.L. 1375 which I consider of considerable interest. These have been marked in green on the magnetic maps. The two areas give an impression that they consist of a central granitic (?) intrusion surrounded by a contact aureole and as such might be worthy of a further investigation.

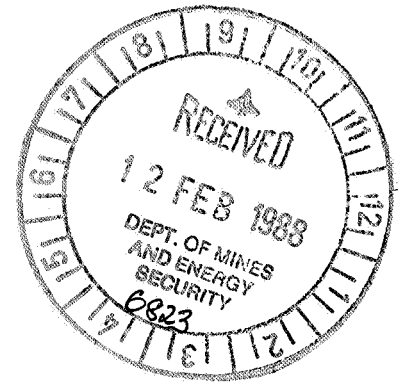
TARCOOLA GOLD LIMITED

FOURTH QUARTERLY REPORT ON

EXPLORATION LICENCE NO. 1375

MUCKANIPPIE, SOUTH AUSTRALIA

FOR PERIOD ENDING 5 JANUARY 1988



Adelaide
January 1988

Genesio Circosta
Geologist

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KEYWORDS

MUCKANIPPIE

EL 1375

TARCOOLA SH 53-10

GEOPHYSICAL INTERPRETATION

GOLD ASSAYS

INDICATOR ELEMENT ASSAYS

GEOCHEMICAL ANALYSIS

SAMPLING PROGRAM

ORIENTATION PROGRAM

AUGER SAMPLING

RAB DRILLING

DETAILED GRIDDING

EL 1375

MUCKANIPPIE

Statement of Expenditure Incurred from October 6th 1987 to January 5th 1988

Geological & Geophysical cost	$ 12,419.23
Drilling Costs	$ 13,198.67
Logistics	$ 16,227.56
Depreciation	-
Administration (5%)	$ 2,096.27
	$43,937.73

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APPENDIX

1. GOLD AND INDICATOR ELEMENT ASSAYS BY COMLABS - JOB NO.Com 872755

2. GOLD AND INDICATOR ELEMENT ASSAYS BY COMLABS - JOB NO. Com 872989

3. RAB DRILLING LOG SHEETS HOLES MK01 TO MK82 BY TREVOR ELBERG

LIST OF ILLUSTRATIONS

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PLANS - (IN POCKET)

PLATE 1 MUCKANIPPIE, SOUTH AUSTRALIA. EXPLORATION LICENCE NO. 1375 BASE PLAN.

PLATE 2 RAB HOLE LOCATIONS

PLATE 3 DETAILED MAPPING - MALBOOMA MINE AREA

1. SUMMARY

During the fourth quarter Tarcoola Gold Ltd has undertaken an extensive gridding and soil sampling program over areas of probable Muckanippie Diorite outcrop and subcrop. The soil sampling program has not yet been completed.

A RAB drilling program in which 82 holes totalling 1213 metres was carried out in mid December. This drilling was concentrated in the vicinity of the old Malbooma Gold Mine following up the trends parallel to the line of lode of the Malbooma Mine.

Detailed geological mapping of areas of outcrop within the grid area has also commenced.

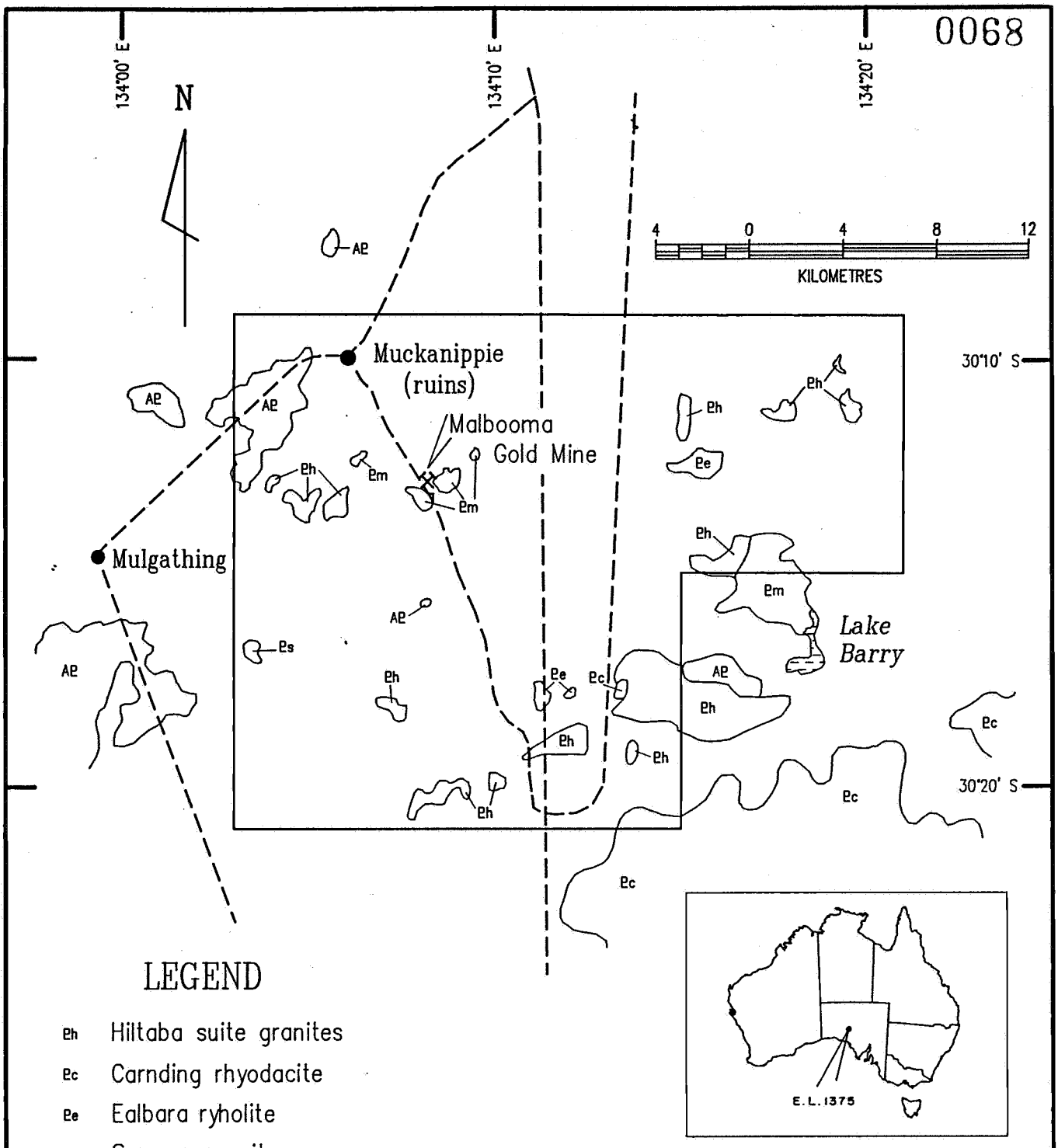
2. INTRODUCTION

This is the fourth quarterly report to the South Australian Department of Mines and Energy for Exploration Licence No. 1375, Muckanippie area, being for the period October 5th 1987 to January 5th 1988.

The Muckanippie licence covers an area of about 533 square kilometres surrounding the old Malbooma Goldfield, approximately 70km northwest of Tarcoola (Figure 1). The Licence was granted to Insight Mining Pty Ltd, now known as Tarcoola Gold Limited, on 6 January 1987, to search for gold and other metals.

The area is one of low relief, limited basement outcrop with expanses of Jurassic and Tertiary cover and has had very little exploration for gold carried out over it.

Known gold mineralisation is restricted to the Malbooma gold workings (also known as Muckanippie). This area was discovered in 1909 when a Government prospecting party located gold bearing float near the Muckanippie Rock Holes. Mining opened up a 1.5 metre wide quartz reef containing limonitic fractures and voids after pyrite carrying gold values of around 7g/t. Grade was found to drop off with depth indicating surface enrichment and the prospect was abandoned. In 1926 a syndicate was formed to work the deposit but no production is recorded.



LEGEND

- Eh Hiltaba suite granites
- Ec Carnding rhyodacite
- Ee Ealbara ryholite
- Es Symons granite
- Em Muckanippie diorite
- AE Mulgathing complex
- Track

Geology based on TARCOOLA 1:250,000 sheet

Basement Geology MUCKANIPPIE E.L. 1375

Figure 1

Basement rocks consist of Archean gneissic metasediments, including banded iron formations. These are overlain by acidic phases of the Gawler Range Volcanics, of Proterozoic age. Intruding is the Muckanippie Diorite, a possible intrusive phase of the volcanics, and host to the known gold mineralisation. All the above rocks are intruded by Proterozoic granites of the Hiltaba Suite and by dykes of the Wiltabbie Volcanics, which include both acidic and basic types.

Work to date has concentrated on areas of outcrop and subcrop of the Muckanippie Diorite.

3. DETAILED GRIDDING

A large grid has been placed over the central portion of EL 1375, Malbooma (Plate 1). This grid has been designed to cover all areas of known outcrop and suspected subcrop of the Muckanippie Diorite subcrop of the diorite within the licence area.

Details of the grid are as follows :

Length baselines	:	26km
Number of lines	:	73
Total length of lines	:	160.1km
Total length of gridded	:	186.1km
Bearing of lines	:	010°(M)

Lines vary in length from 2 to 4km and are generally north of the baseline.

This grid will be used for :

(a) detailed ground magnetics

(b) soil and rock chip sampling

(c) detailed mapping of outcrop areas, and

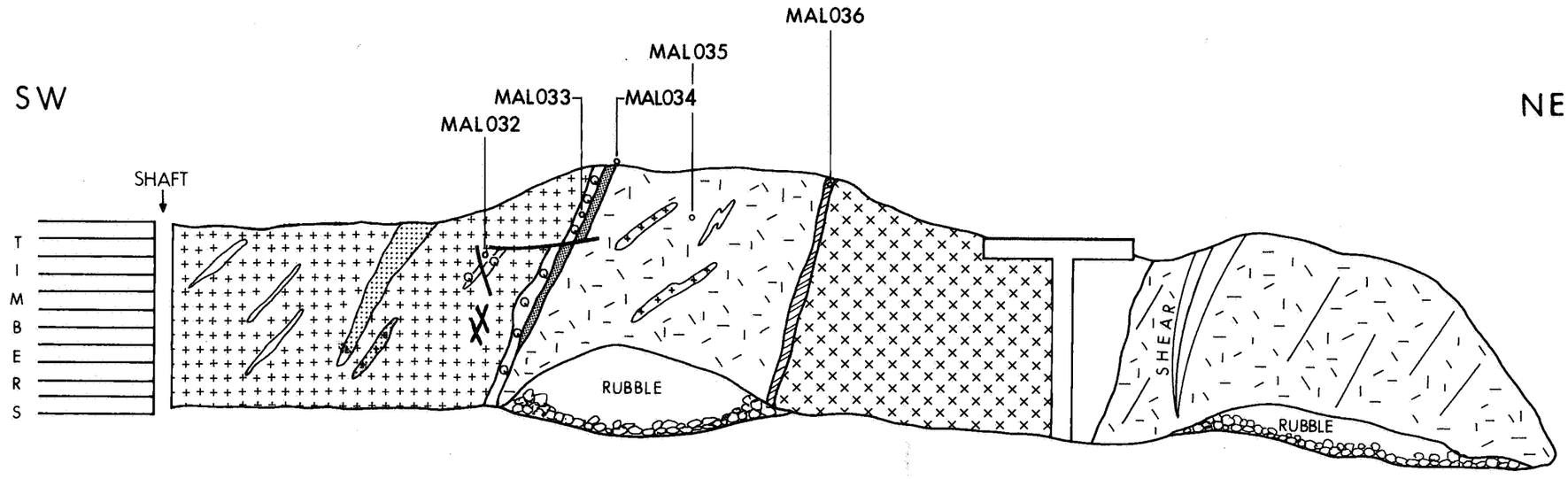
(d) RAB drilling programs

4. UNDERGROUND SAMPLING

A brief examination and sampling of the Malbooma Mine was undertaken in November. The shaft is approximately 15 metres deep with a 12 metre long drive at its base. This drive heads off on a bearing of 060°(M). The geology of the workings is shown on figure 2 which is a modified version of the figure used in mapping by CRA (Open File Envelope Number 4613). Only half the drive was examined due to the collapsed, unsafe nature of the drive.

The shaft and drive were dug to test for the continuity of the lode at depth. While successful in intersecting the lode in the drive, it was, however, much thinner than exposed at the surface. In the subsurface the lode was observed to consist of two distinct portions, one a sheared, very weathered, limonitic zone with no quartz in direct contact with the second zone consisting of a very clean, white, talcose (along fractures) quartz vein. The combined thickness of these two zones ranges from 30 to 60cm. The lode material was observed to dip at 60° towards 240°(M).

Five samples (MAL32-MAL36) were collected in the drive. The location of these is shown on Figure 2. Results and brief descriptions are tabulated on Table 1 - overleaf :



WALL FACING NW

Granite gneiss, yellow brown, weathered, granitic veins trending 45° Minor Fe staining and gypsum coating on fractures parallel to veining.

Granite, white, kaolinitic highly weathered.

Ironstone, haematite-quartz dark brown.

Clean, white quartz vein. Talcose in part.

Granite, off white, bleached minor biotite, highly weathered.

Grey green and grey brown highly weathered sheared basic (?) with highly weathered feldspar lathes preserved. Muckanippie Diorite.

Quartz veining

Stockwork quartz

Green talcose mineral (talc ?)

Fractures

F—— Fault

METRES 0 1 2 3 4 METRES

LOCATION MAP



Modified after work by C.R.A.

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE MALBOOMA GOLDMINE

Geology

0072

AUTHOR.	DATE	
G. CIRCOSTA	JAN '1988	Figure 2

TABLE 1 - MALBOOMA MINE GOLD ASSAYS

SAMPLE NO.	Au(ppm)	DESCRIPTION
MAL032	0.54	10-13cm thick hematitic quartz vein.
MAL033	0.13	Main quartz lode. 25-40cm thick. No iron staining. Talcose along fractures.
MAL034	0.07	Sheared limonitic zone, 10-30cm thick. Deeply weathered and leached.
MAL035	0.56	Kaolinitic, limonitic rock. Altered diorite(?).
MAL036	0.09	Talcose shear zone (20-30cm thick).

Comlabs Pty Ltd Scheme FAS 1 Report No COM 872989

Assays, whilst anomalous, are much lower than surface sampling indicating surface enrichment of gold. The samples were also analysed for Sb, As, Mo and W. The results of these elements appears in Appendix 2.

5. SOIL SAMPLING PROGRAM

5.1 ORIENTATION AUGER SAMPLING - MALBOOMA MINE AREA.

An orientation soil sampling program was carried out over the Muckanippie Grid in the vicinity of the Malbooma Gold Mine. Samples were taken at a depth of 30 - 50 cm, using a portable petrol driven post hole digger. The location of the area where sampling was undertaken is shown on Plate 1.

The aim of the orientation soil sampling program was to determine :

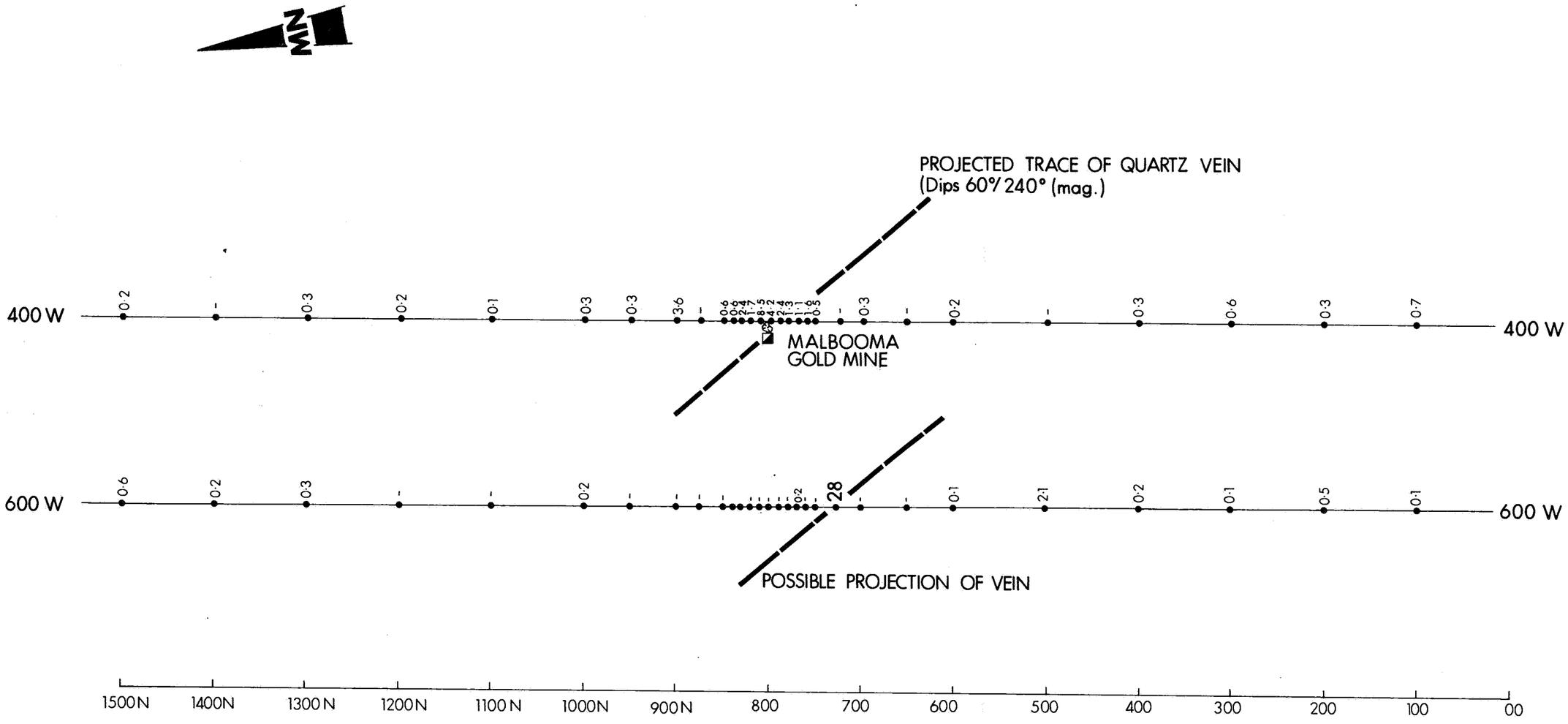
(a) the response from an area of known mineralisation.

(b) if this method of soil sampling was suitable in the area,

(c) the best sample intervals along traverse lines.

Samples were assayed using Comlabs Bulk Leach Method (Scheme AAS 5D). This method is designed to detect low levels of gold in background material. The samples, weighing 3-5kg each, were leached for 24 hours in cyanide with gold measured to an accuracy of 0.1ppb.

Two lines, one adjacent to the Malbooma Gold Mine (line 400W) and the other 200 metres to the west (line 600W) were sampled at various intervals ranging from 10 metres close to mineralisation, and stepping out to 25m, 50m then 100 metres as one moves away from the Malbooma Mine. The locations of these samples is shown on Figure 3.



LEGEND

- Malbooma Gold Mine
- Sample Site
- 0·3 Au assay (p.p.b.)
- \- Denotes 0·01 p.p.b. Au

0 50 100 150 200 250 METRES

Assay method: Bulk Leach
Comlabs Job: COM 872989 (23-11-87)

LOCATION MAP



TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

ORIENTATION SOIL SAMPLE RESULTS (Gold plotted in ppb)

AUTHOR.	DATE	
G CIRCOSTA	JAN '88	Figure 3

0075

What is Appendix 1?

Figure 3 also shows the assay results (in ppb). Assay results also appear in Appendix 2. Anomalism is associated with the Malbooma Mine (max 8.5ppb) however, no anomalism is observed to continue to line 600W indicating that the vein is not continuous between the lines.

A few other samples show anomalies which may be of interest :

(a) 600W/725N where a value of 28ppb was recorded.

(b) 400W/900N where a value of 3.6ppb was recorded.

(c) 600W/500N where a value of 2.1ppb was recorded.

This method of sampling is thought to be reliable and will be used for a detalied geochemical program over the main Malbooma Grid. It was decided that a sample interval of 100 metres will be used over the grid.

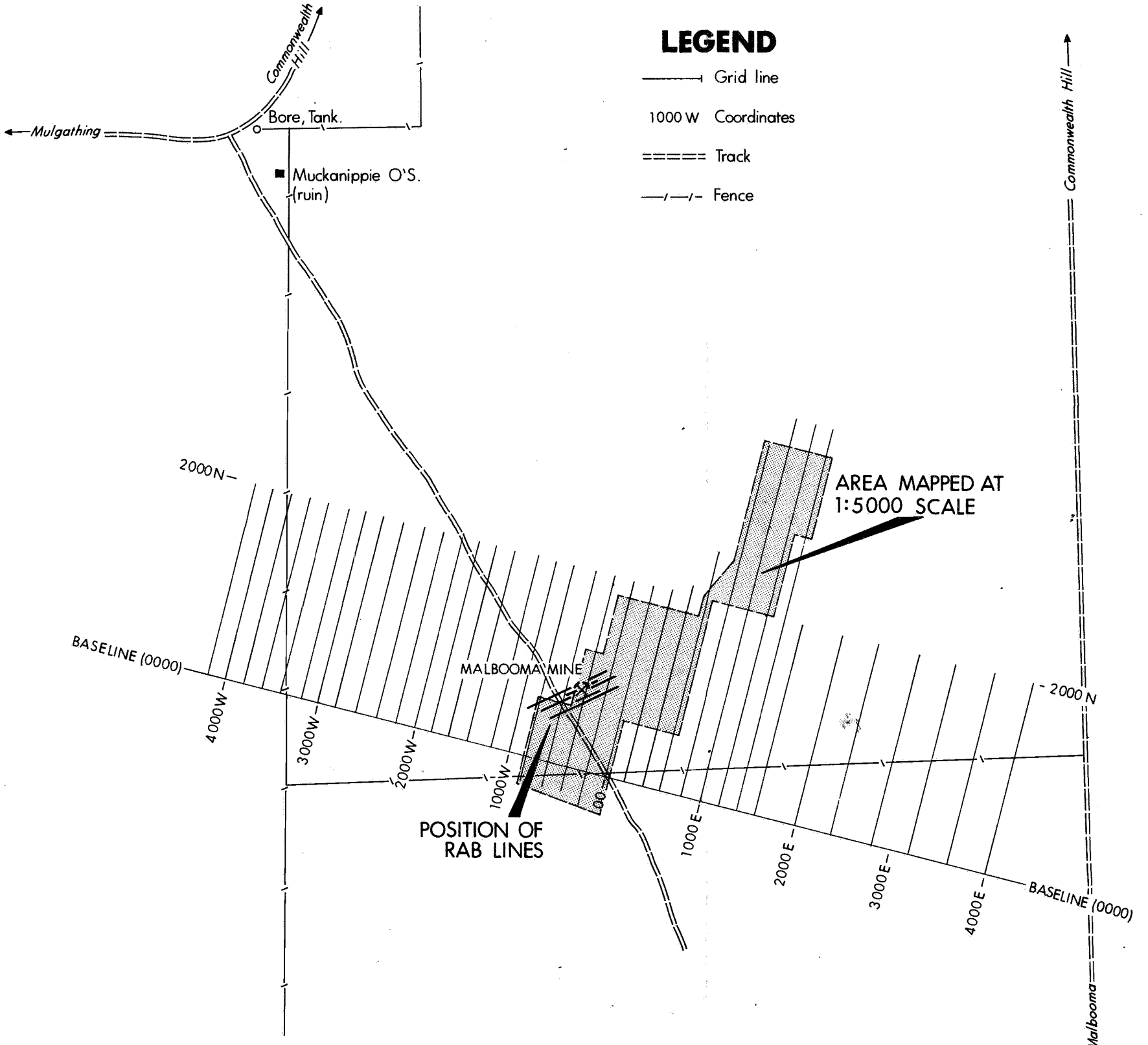
5.2 DETAILED AUGER SAMPLING - MALBOOMA MINE AREA

A small more detailed grid oblique to the main Muckanippie Grid was completed and sampled during the quarter. This grid was designed to test the possible projections of lode material from the Malbooma Gold Mine and the anomalous value of 28ppb from the orientation soil sampling program. The location and details of the grid are shown on Plate 1 and figures 4 respectively.

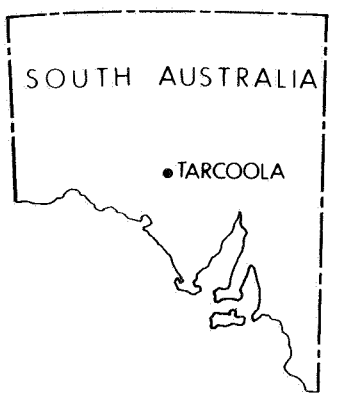
The new detailed grid has been tied into the main Muckanippie Grid with the 400W/800N peg of the main grid corresponding to the L2-250 peg of the detailed Mine Grid.

From examination underground it was found the lode material dips 60° SW on a strike of 150 - 330°(M), thus five 300m long lines were pegged at right angles to this trend (lines L1 - L5). Samples were collected using a power auger (to a depth of 40 - 60cm) at 50m intervals over the whole grid, with 25m intervals over the areas adjacent to the projection of the lodes.

A total of fifty samples have been collected and submitted for Bulk Leach treatment (Comlabs Code AAS 5D). No results are yet available for these samples.



LOCATION MAP



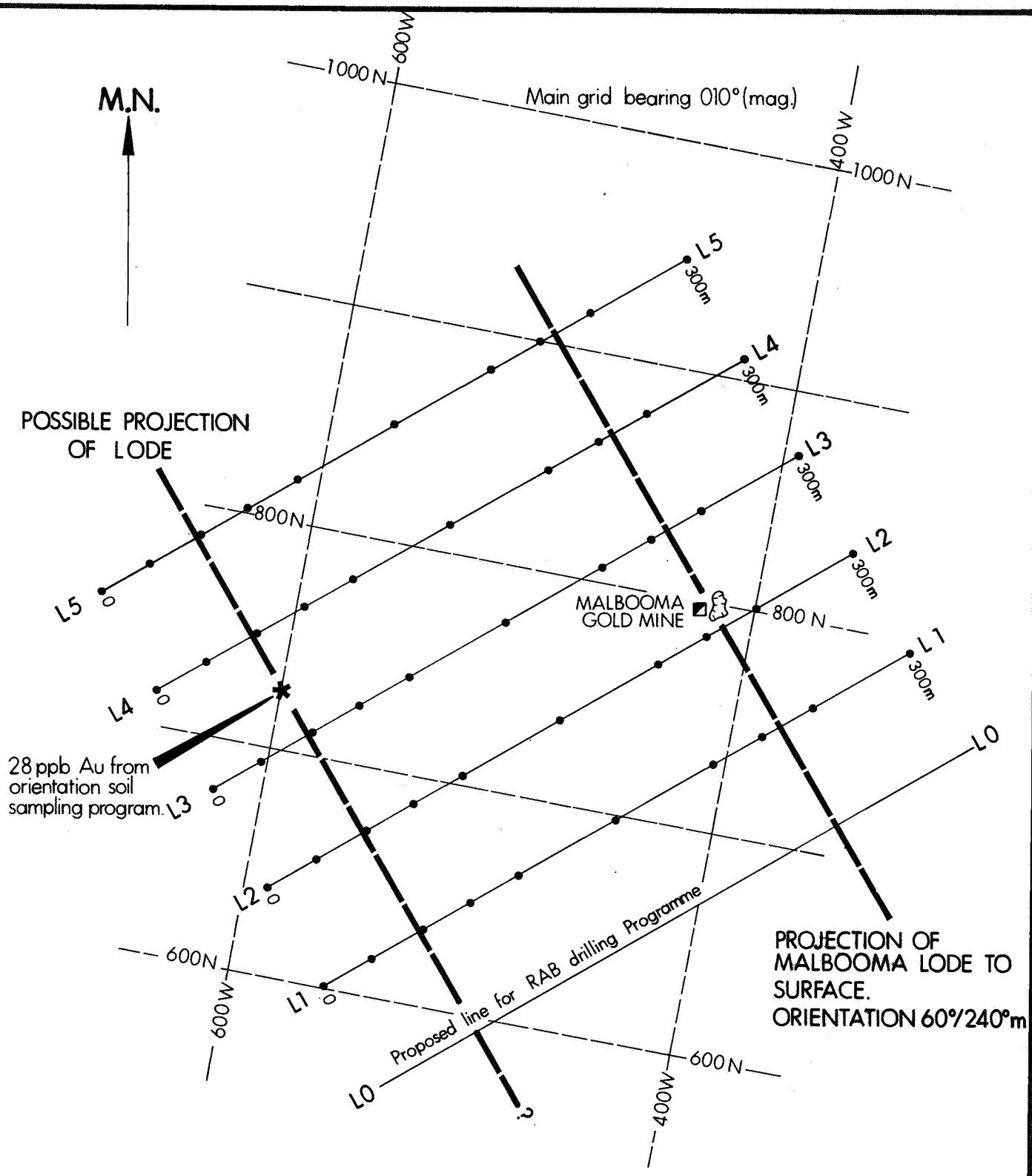
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E.L.1375 - MUCKANIPPIE

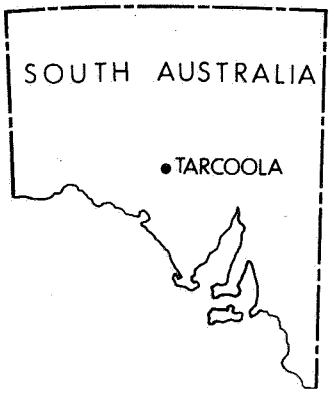
LOCATION OF DETAILED MAPPING AND RAB LINES

AUTHOR.	DATE	
G CIRCOSTA	JAN '88.	Figure 5

0081



LOCATION MAP



Sample sites

0 50 100 METRES

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

DETAILED SOIL SAMPLING GRID MALBOOMA MINE AREA

AUTHOR.	DATE	
G. CIRCOSTA	JAN. '88	Figure 4

5.3 GENERAL AUGER SAMPLING PROGRAM

It is planned that the entire Muckanippie Grid will eventually be soil sampled using the power auger. To date the total of 13 lines covering the extreme eastern portion of the grid (from 13800E to 17000E) have been sampled on 100 metre centres. (Plate 1).

These samples have been submitted to Comlabs for analysis using the Bulk Leach Method. Assay results are not yet available and will be reported in the next Quarterly Report.

6. RAB DRILLING

A RAB Drilling program, in which 82 holes totalling 1213 metres (average 14.7m) were drilled, was carried out in the area around the Malbooma Mine. The location of RAB lines is shown on figure 5 with details of lithologies, depths and hole numbers on Plate 2. Detailed logs apear in Appendix 3.

The program was designed to test the main Malbooma Mine lode and possible extentions to this lode. A series of lines have been drilled at 20 and 50 metre spacing along five lines, across the direction of the lode.

Samples were generally collected from the top, middle and bottom of each hole, although four samples were collected from two holes. These samples were submitted to Comlabs for analysis of Au by Fire Assay. No results are yet available.

Summary of profiles for the five lines drilled (L0 - L4) follow :

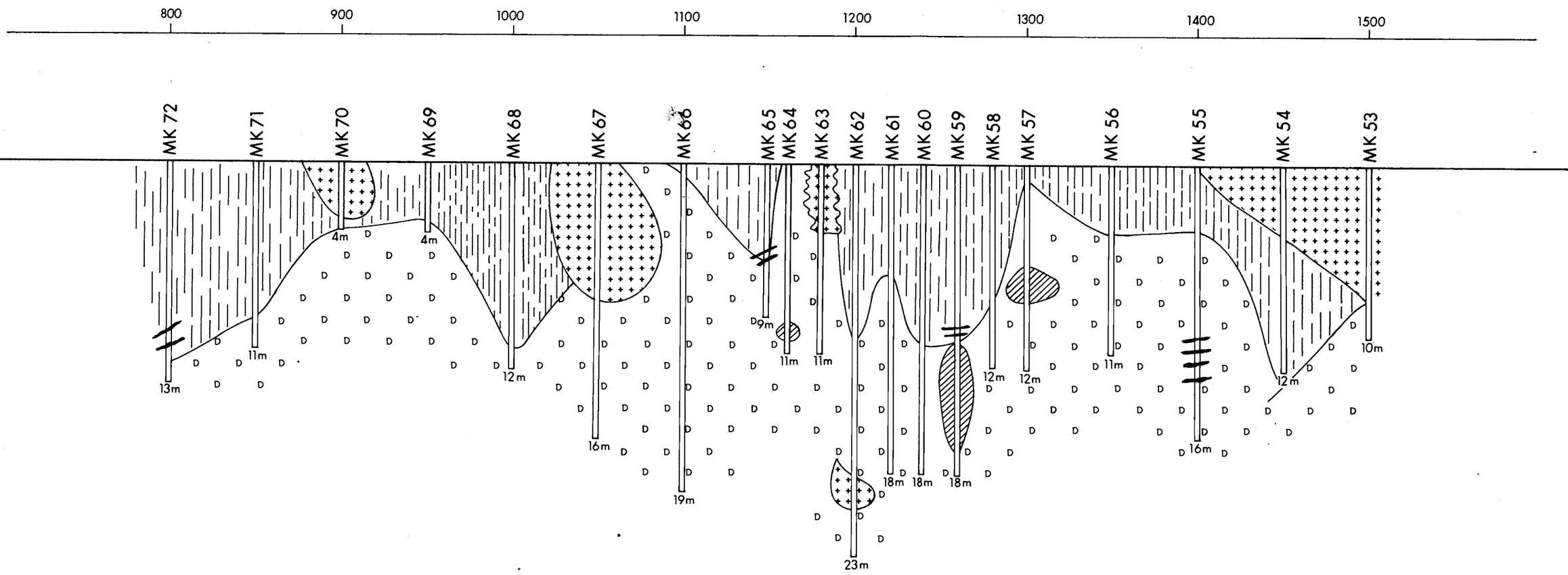
Line L0 - (Fig 6) a Diorite Basement with a weathering profile ranging from 0 to 11 metres. Acid intrusives occur as blobs from surface and to depths of 19 metres. Epidote occurs in fresh diorite at depths between 6 and 16 metres. Minor quartz veining occurs in 4 intersections and appears to be isolated.

Line L1 - (Fig 7) Diorite Basement fresh to the east with a weathering profile to a depth of 11 metres to the west. A minor acid intrusive lies along the weathering horizon from surface level. Once again vein quartz occurs and is isolated.

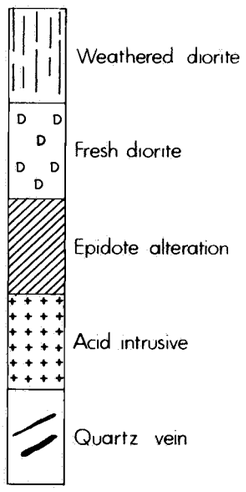
Line L2 - (Fig 8) Diorite Basement with a weathering profile from surface level to 17 metres. Acid intrusives occur near the centre of the line and appear to be controlled by a possible fissure. Diorite in this area is also weathered to a depth of 17 metres so may be related to fractures associated with the intrusion. Quartz veining is minor and isolated.

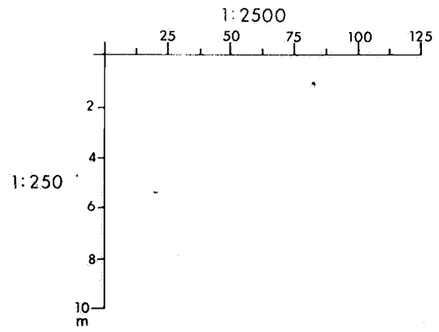
Line L3 - (Fig 9) Diorite Basement with weathering horizon from 4 to 20 metres. Most of the area is overlain by an acid intrusive, with epidote alteration underlying this in places and thus may be directly related. No vein quartz.

Line L4 - (Fig 10) Diorite Basement, Complex area of acid intrusives once again seen rising from a possible fissure. Weathering profile ranges from surface to 25 metres. Epidote alteration observed underlying the acid intrusive along the possible fissure plane. Minor vein quartz is once again isolated.



GEOLOGICAL LEGEND





LOCATION MAP

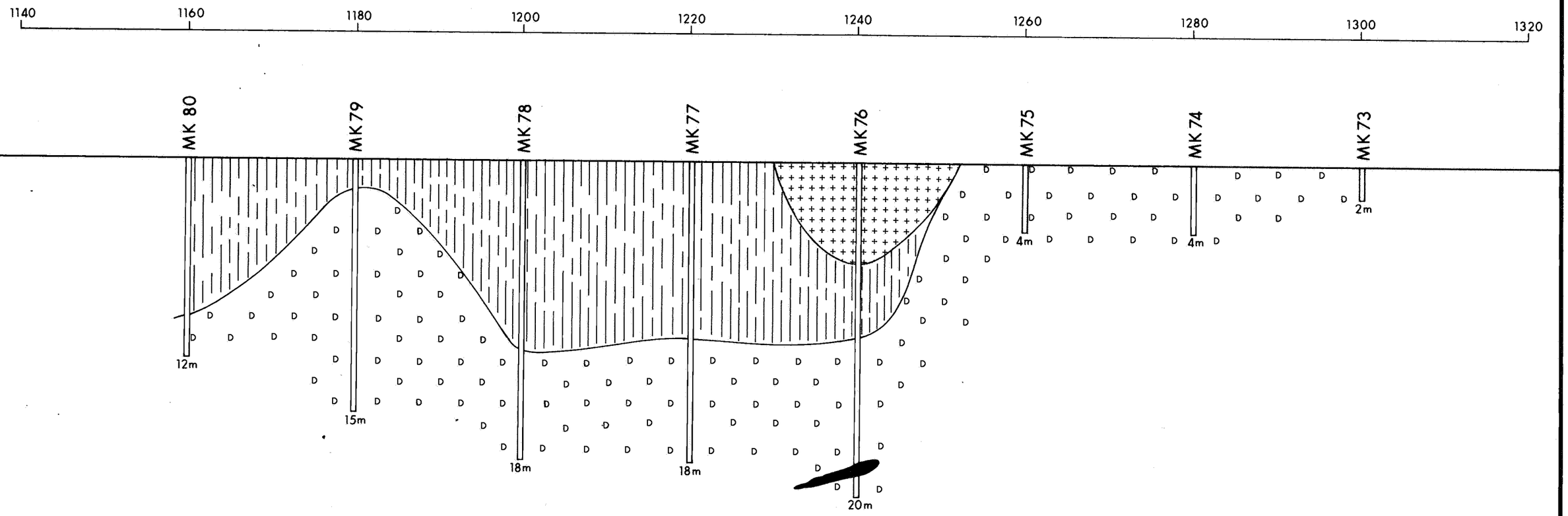


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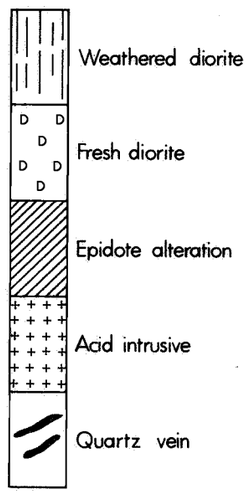
E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L0
HOLES MK 53-72

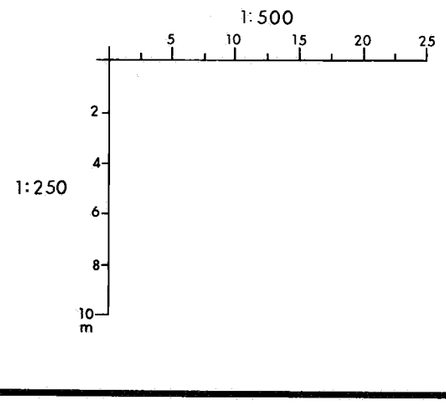
AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 6

0083



GEOLOGICAL LEGEND





LOCATION MAP

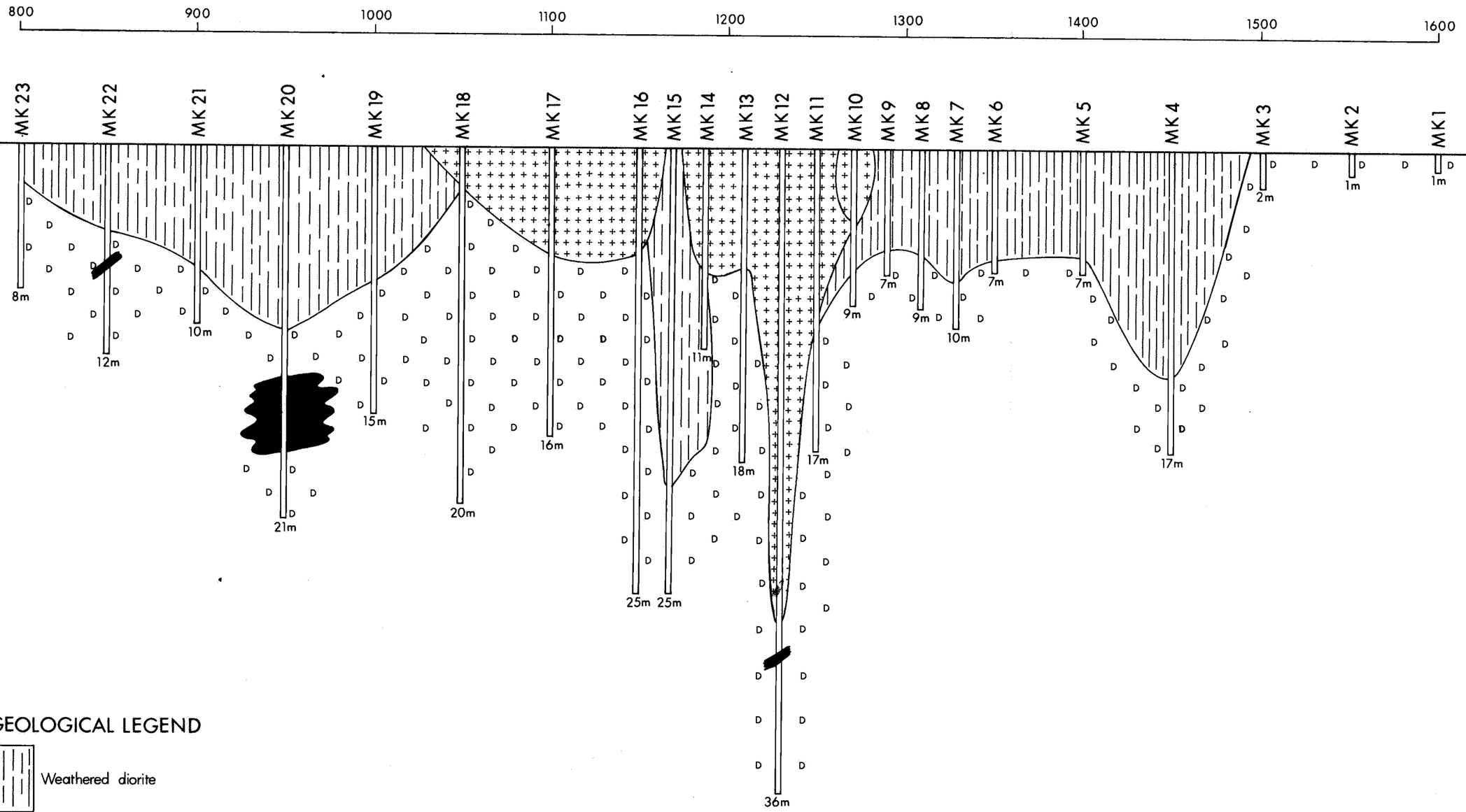


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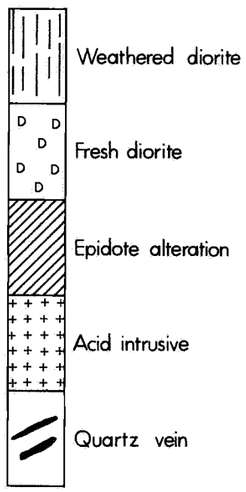
E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L1
HOLES MK 73-80

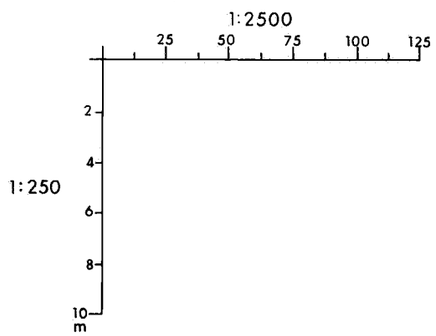
AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 7

0084



GEOLOGICAL LEGEND





LOCATION MAP

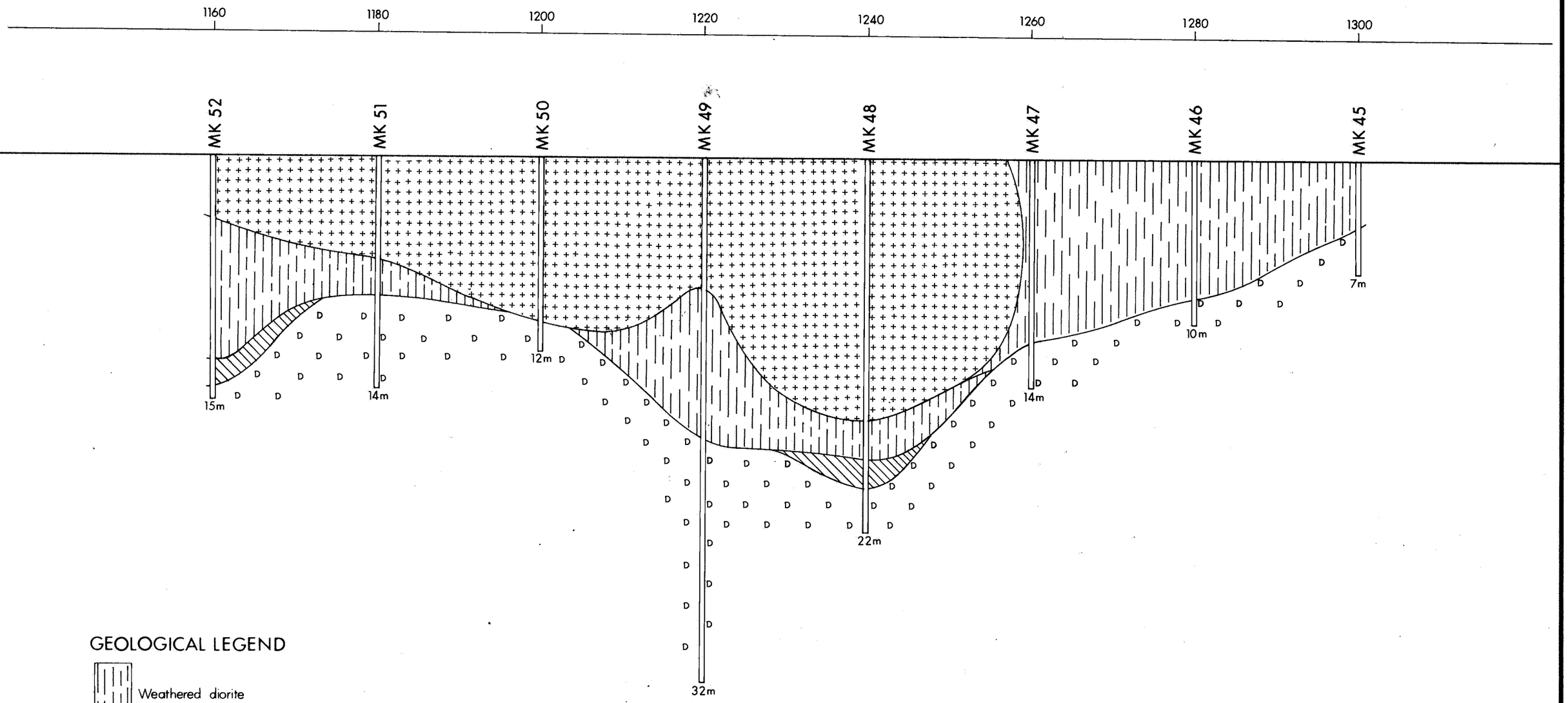


TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L2
HOLES MK 1-23

AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 8

0085



GEOLOGICAL LEGEND

- Weathered diorite
- Fresh diorite
- Epidote alteration
- Acid intrusive
- Quartz vein

1:500

5 10 15 20 25

1:250

2 4 6 8 10 m

LOCATION MAP

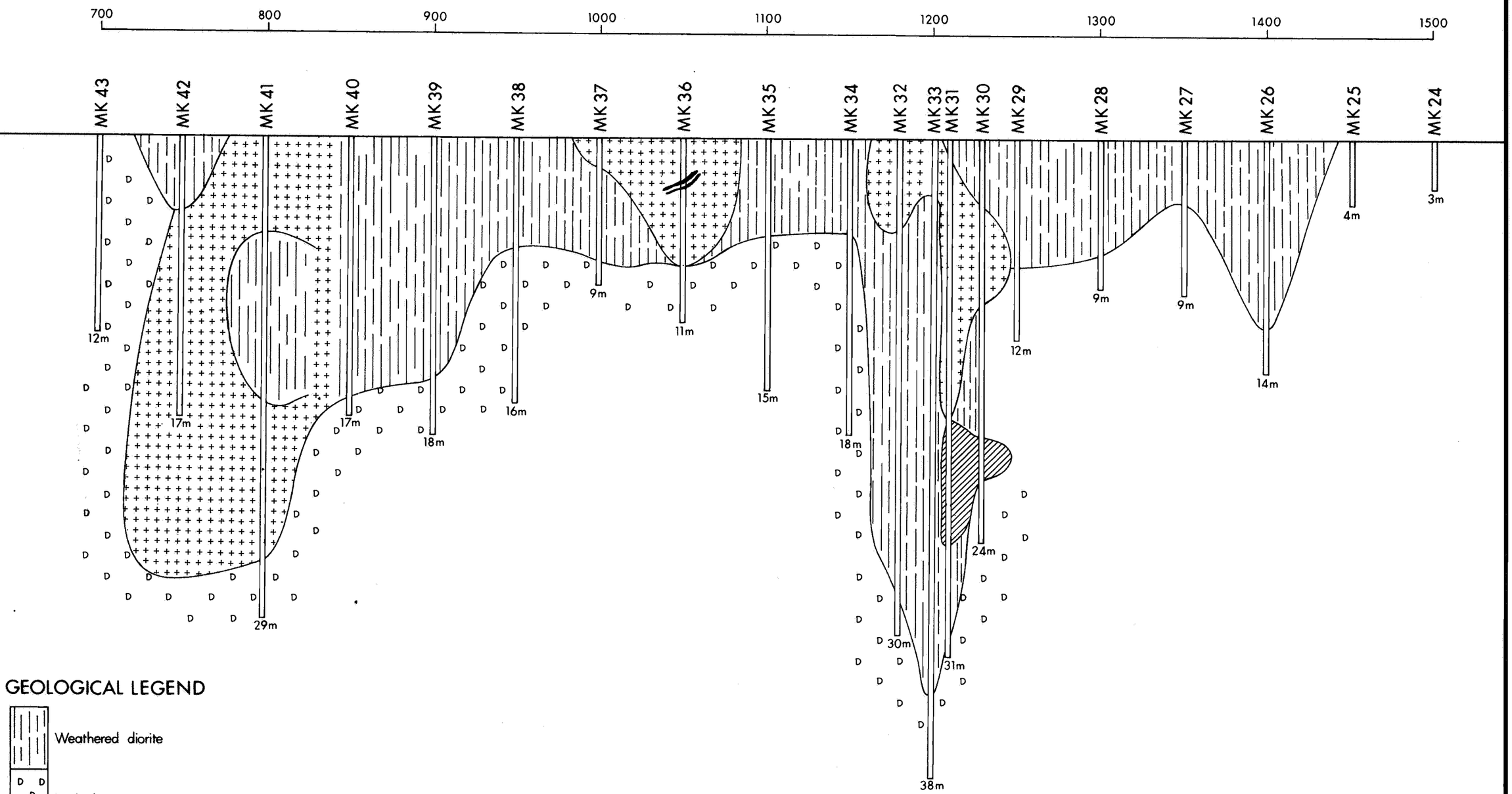


TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L3
HOLES MK 45-52

AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 9

9800



GEOLOGICAL LEGEND

- Weathered diorite
- Fresh diorite
- Epidote alteration
- Acid intrusive
- Quartz vein

1:2500

25 50 75 100 125

1:250

2 4 6 8 10 m

LOCATION MAP



TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L4
HOLES MK 24-43

AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 10

7800

7. DETAILED MAPPING

Detailed mapping of outcrop areas within the main grid has commenced. To date the diorite outcrops to the south and northeast of the Malbooma Mine have been mapped. Mapping is being carried out to better understand the relationships of the intrusive rocks which outcrop in the area.

The area mapped is shown on Plate 3. Outcrop consists dominatly of Muckanippie Diorite which is made up of a dark green to grey, coarse grained, plagioclase - hornblende diorite containing accessory ilmenite, magnetite and pyrite. This unit is thought to represent an intrusive phase of the Gawler Range Volcanics. It has been observed to be coarsely recystallised and can show feldspathic alteration in irregular zones.

The Muckanippie Diorite is intruded by dykes of granite, basalt and acid volcanics. The granitic/pegmatitic dykes are a part of the Hiltaba Granite Suite and vary in grain size from very fine aplitic dykes to coarse pegmatite dykes. Granitic dykes trend in a west to north-west direction.

The basaltic and acid volcanic dykes are a part of the Wiltabbie Volcanics and are represented by :

1) black basaltic to andesitic dykes. Can be vesicular in places. Generally very thin and magnetic.

2) younger acid volcanics consisting of red to black rhydodacites to rhyolites (typical Gawler Range Volcanic dykes). These vary from very fine grained to coarsely porphyritic and can at times be very pyritic.

Dykes of the Wiltabbie Volcanics trend in a north-west to northerly direction.

The southern-most outcrop mapped also contains several outcrops of gneissic banded iron formation thought to be a part of the Archean Christie Griess which forms the Basement to the volcanic sequence. It is possible that these gneissic BIF's represent xenoliths within the intrusive Muckanippie Diorite.

Mapping will continue during the next quarter.

8. ROCKCHIP SAMPLING

Several rock chip samples were collected during mapping and gridding of the Muckanippie Area. The locations of these samples is shown on Plate 1. Gold Assays are represented on table 2 and assays for As, Sb, W and Mo appears in Appendix 1 and 2.

Results on Table 2 show several minor anomalies from these random rockchip samples.

9. FORWARD PROGRAM

The next stage of exploration will consist of :

1) continuation of the power auger soil sampling along the Muckanippie Grid.
2) the completion of detailed geological mapping of areas within the grid,
3) detailed ground magnetics of the Muckanippie Grid, and
4) assessment of drilling and geochemical data collected to date.

TABLE 2

GOLD ASSAYS : MUCKANIPPIE EL 1375

SAMPLE NO.	AU (ppm)	DESCRIPTION	LOCATION
MAL013	0.04	BIF - quartz/magnetite/ feldspar rock	pit west of Malbooma Mine
MAL014	0.02	recrystallised diorite	"
MAL015	<0.01	pyritic iron-rich quartz vein	2km NE Peglar Bone
MAL016	0.02	silicified quartz vein material	"
MAL017	0.03	sheared granitic rock, quartz (+ pyrite) veins	"
MAL018	<0.01	limonitic (after pyrite) quartz vein	"
MAL019	<0.01	iron-rich quartz vein in diorite	north of Lake Barry
MAL020	<0.01	sheared diorite	1200E/3160N
MAL021	<0.01	quartz scree	"
MAL022	0.02	feldspar porphyry. Pyritic	1270E/3300N
MAL023	0.03	quartz vein within granite	1170E/3200N
MAL024	0.03	Granite to pegmatite vein	"
MAL025	0.02	Epidotised, pyritic, magnetite bearing diorite	"
MAL026	<0.01	Magnetite bearing diorite	1400E/3300N
MAL027	0.02	Brecciated, sheared, magnetite rich diorite	1000E/3400N
MAL028	0.03	Vesicular basalt intruding diorite	1000E/2850N
MAL029	0.02	Quartz vein along small fault	400E/1800N
MAL030	<0.01	Pyritic, intrusive rhyolite/ rhyodacite	"

MAL031	0.02	Intrusive pegmatitic vein	0000/1305N
MAL032	0.54	Limonitic quartz vein in biotitic granite	In drive of Malbooma Gold Mine
MAL033	0.13	Quartz lode (talcose in part)	"
MAL034	0.07	Ferruginous zone adjacent to above quartz vein	"
MAL035	0.56	Kaolinised - bleached rock. (? weathered diorite)	"
MAL036	0..09	Talcose shear zone at diorite/ granite contract	"
MAL037	<0.01	Pyritic (1-1.5%), coarsely recrystallised diorite	1030E/2630N
MAL038	<0.01	Feldspathised diorite	"
MAL039	<0..01	Silicified, brecciated, biotitic, diorite(?)	80E/1400N
MAL040	<0.01	Sheared, andesitic rock.	180E/1290N
MAL041	<0.01	Sheared granite (Hiltaba Granite)	200W/500N
MAL042	<0.01	Sheared, brecciated diorite	450W/400N
MAL043	<0.01	Aplitic Granite	3km North Lake Barry
MAL044	<0.01	Contact of granite and meta-andesite	"
MAL045	<0.01	Biotitic meta andesite	"
MAL046	<0.01	Recrystallised, biotitic diorite	"

134°00' 134°05' 134°10' 134°15' 134°20' 134°21'

30°09' 30°10' 30°15' 30°20' 30°21'

6660000mN

41000mE

'BRADMAN' O.S. (Ruin)
TANK

BORE, TANK
'MUCKANIPPIE' O.S. (Ruin)

HONEYSUCKLE BORE (Old)

MAL017,018
MAL015,016

PEGLAR BORE

MAL027
MAL022
MAL023-025
MAL026
MAL020,021
MAL028
MAL037,038
MAL029,030
MAL039
MAL031
MAL040
MAL013,014
MAL032-036
MAL042
MAL BOOMA GOLD MINE
MAL041

FENCE

PROOF

VERMIN

7000W 6000W 5000W 4000W 3000W 2000W 1000W 100S 1000E 2000E BASELINE 4000E 6000E 8000E 10000E 11000E 12 13000E 14 15000E 16 17000E BASELINE 2000N

Position Uncertain
TO BULGUNNIA H.S.

Position Uncertain
TO MULGATHING H.S.

SATISFACTION BORE

MAL043-046
MAL019

DINGO WELL, DAM, TANK

WHITE NOSE BORE & TANK

SNAKE ROCKS BORE, TANK

DOROTHY WELL

LEPA

JUDYS BORE

64 65 66

42 43 44

•MAL034 Rock Sample Location (samples 013 - 046)

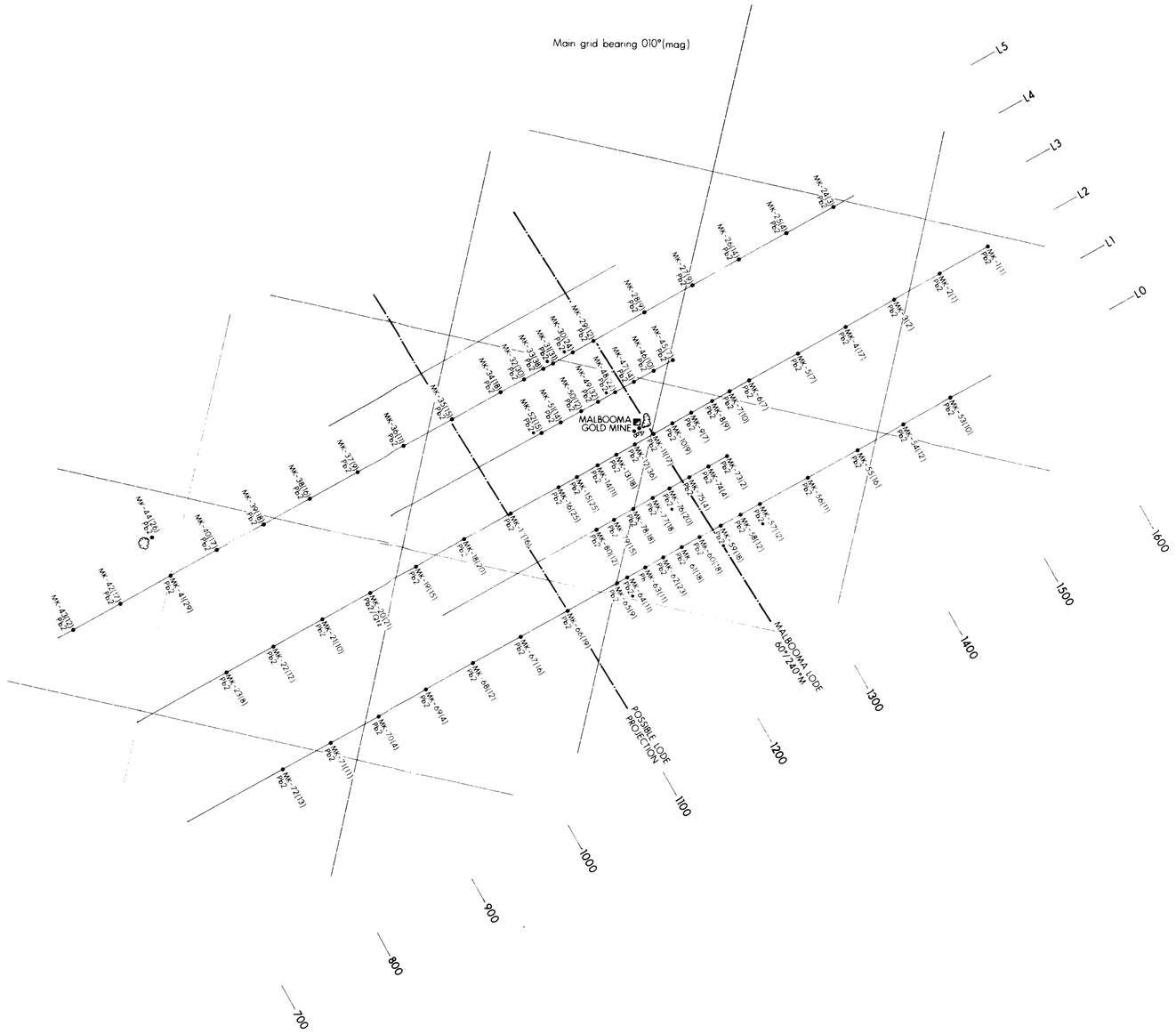
0 1 2 3 4 5
KILOMETRES

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

BASE PLAN 1:50000
6823-3

AUTHOR	DRAWN	DATE	PLATE
D.TONKIN	CARTO GRAPHICS	JAN '88	1



LEGEND

MK	Hole Number Prefix
(10)	Depth of Hole
●A	MK-81(36)
●B	MK-82(32)
▪	Shaft
	Tailings Dump
	Projection of Lode
Ph	Hitaba Granite
Pb2	Muckanippie Diorite
Qtz	Quartz Veining
•	Secondary Silicification + Epidote Alteration

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

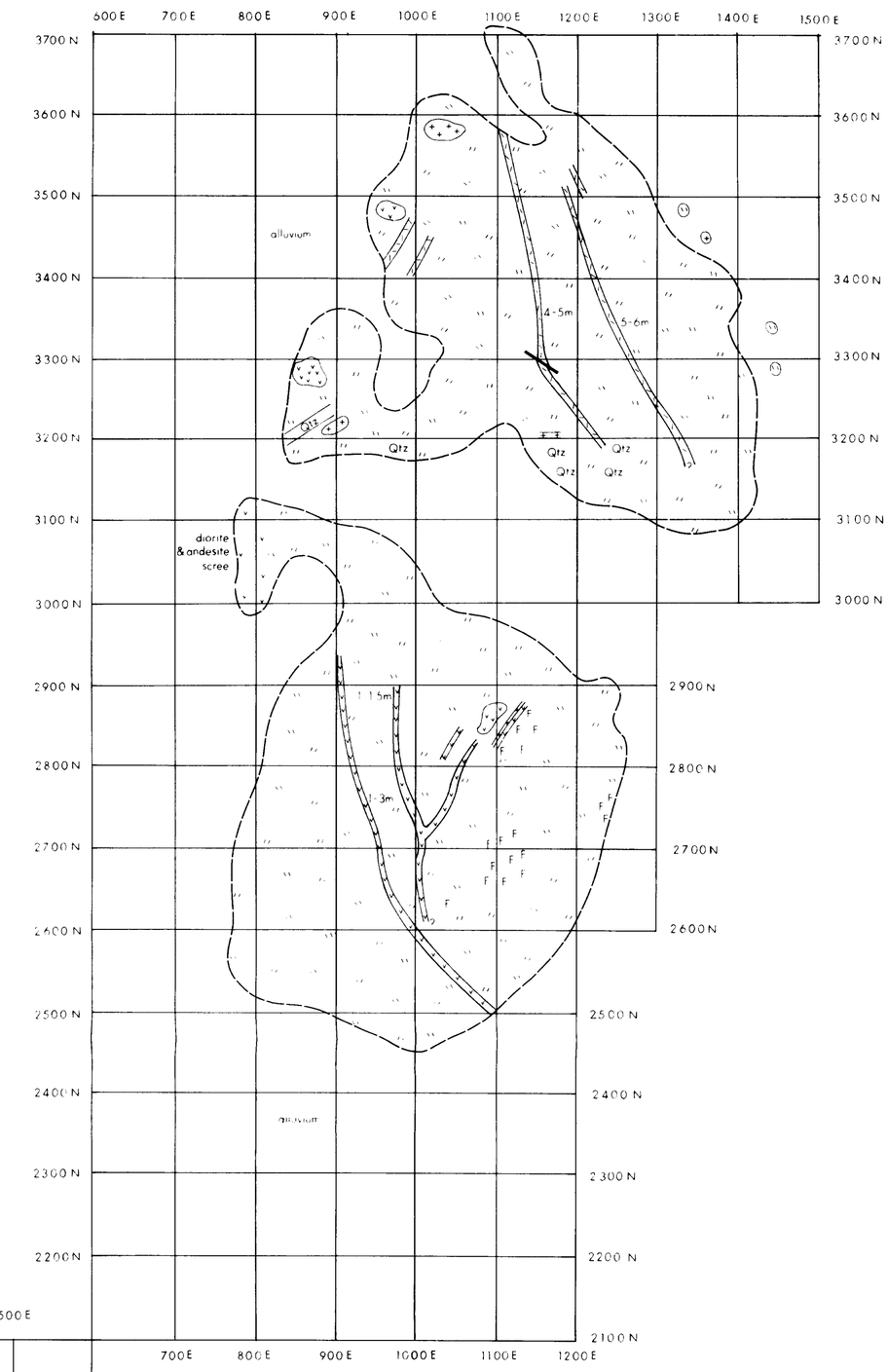
TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

6823-4

AUTHOR	DRAWN	DATE	PLATE
T. ELBERG	CARTO GRAPHICS	JAN '88	2



GEOLOGICAL LEGEND

WILTABIE VOLCANICS
- Rhyolite/rhyodacite dykes
- Basaltic/andesitic dykes

HILTABA GRANITE
- Granitic/pegmatite dykes

- Muckanippie Diorite

CHRITIE GNIESS
- Gniessic, magnetic B I F

- Qtz — Quartz veining
- F F / F F — Feldspathised diorite
- F — Fault
- 4-5m — Thickness of dykes
- Brecciated / sheared rocks
- Track

M.N.

SCALE 1:5000

100 0 100 200 300 400
METRES

6823-5

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

DETAILED GEOLOGY MALBOOMA MINE AREA

AUTHOR	DRAWN	DATE	PLATE
G CIRCOSTA	CARTO GRAPHICS	JAN '88	3

APPENDIX 1

GOLD AND INDICATORS ELEMENT ASSAYS

BY COMLABS JOB NO. COM872755

(See Section 8, Rock Chip Sampling. Other similar results in Appendix 2).

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

NATA REGISTERED No. 1526

melbourne

Y35-20

OUR REF.: COM872755

YOUR REF.: 1106

Mr. G. Circosta,
Tarcoola Gold Ltd.
68 North Terrace

KENT TOWN
SA 5067

November 3, 1987

Dear Genesio,

RE: JOB COM872755

Enclosed are the assays for the samples delivered to our laboratory on October 22, 1987

Yours Sincerely,
COMLABS SERVICES PTY LTD

per :

c.c.: Tarcoola Gold - S.A. No. of copies : 1

Report Length 2 pages

RECEIVED
05 NOV 1987
Ans'd .....

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COMLABS

ANALYTICAL REPORT

JOB COM872755
O/N : 1106

SAMPLE	Au	Au Dp1	Au Dp2	Au Dp3
MAL 013	0.04	0.03	0.04	-
MAL 014	0.02	-	-	-
MAL 015	<0.01	-	-	-
MAL 016	0.02	-	-	-
MAL 017	0.03	0.02	0.03	-
MAL 018	<0.01	-	-	-
MAL 019	<0.01	-	-	-
MAL 020	<0.01	-	-	-
MAL 021	<0.01	-	-	-
MAL 022	0.02	<0.01	0.04	-
MAL 023	0.03	<0.01	0.05	-
MAL 024	0.03	-	-	-
MAL 025	0.02	-	-	-
MAL 026	<0.01	-	-	-
MAL 027	0.02	<0.01	0.04	-
MAL 028	0.03	-	-	-
MAL 029	0.02	-	-	-
MAL 030	<0.01	-	-	-
MAL 031	0.02	-	-	-
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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COMLABS

ANALYTICAL REPORT

JOB COM872755
O/N : 1106

SAMPLE	Sb	As	Mo	W
MAL 013	4	4	<2	<10
MAL 014	<4	<2	5	10
MAL 015	6	2	8	<10
MAL 016	6	4	9	<10
MAL 017	<4	<2	7	<10
MAL 018	6	<2	12	<10
MAL 019	4	16	10	<10
MAL 020	<4	3	<2	<10
MAL 021	<4	5	12	<10
MAL 022	8	<2	9	<10
MAL 023	<4	<2	7	<10
MAL 024	8	10	4	<10
MAL 025	<4	<2	3	<10
MAL 026	14	3	2	<10
MAL 027	10	3	<2	<10
MAL 028	4	2	<2	<10
MAL 029	<4	6	6	<10
MAL 030	4	<2	3	10
MAL 031	<4	<2	2	<10
UNITS	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1

APPENDIX II

GOLD AND INDICATORS ELEMENT ASSAYS

BY COMLABS JOB NO. COM872989

COMLABS SERVICES PTY. LTD.

305 South Road. Mile End South. South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No (08) 234 0321

NATA REGISTERED No. 1526

RECEIVED
25 NOV 1987

OUR REF COM 872989

YOUR REF 1107

Mr. G. Circosta,
Tarcoola Gold Ltd.,
1st Floor, 68 North Terrace,
KENT TOWN. S.A. 5057

23rd November, 1987

Dear Genesio,

RE: JOB COM 872989.

Enclosed are the assays for the samples delivered to our laboratory on the 5th November, 1897.

Yours sincerely,
COMLABS SERVICES PTY LTD

per :

Report Length : 5 Pages

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COMLABS

Job: COM872989
O/N: 1107

ANALYTICAL REPORT

SAMPLE	Au
0100N/400WS	0.7
0200N/400WS	0.3
0300N/400WS	0.6
0400N/400WS	0.3
0500N/400WS	<0.1
0600N/400WS	0.2
0650N/400WS	<0.1
0700N/400WS	0.3
0725N/400WS	<0.1
0750N/400WS	0.5
0760N/400WS	1.6
0770N/400WS	1.1
0780N/400WS	1.3
0790N/400WS	2.4
0800N/400WS	4.2
0810N/400WS	8.5
0820N/400WS	1.7
0830N/400WS	2.4
0840N/400WS	0.6
0850N/400WS	0.6
0875N/400WS	<0.1
0900N/400WS	3.6
0950N/400WS	0.3
1000N/400WS	0.3
1100N/400WS	0.1
UNITS	ppb
SCHEME	AAS5D

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COMLABS

Job: COM872989
O/N: 1107

ANALYTICAL REPORT

SAMPLE	Au
1200N/400WS	0.2
1300N/400WS	0.3
1400N/400WS	<0.1
1500N/400WS	0.2
0100N/600WS	0.1
0200N/600WS	0.5
0300N/600WS	0.1
0400N/600WS	0.2
0500N/600WS	2.1
0600N/600WS	0.1
650N/600WS	<0.1
0700N/600WS	<0.1
0725N/600WS	28
0750N/600WS	<0.1
0760N/600WS	<0.1
0770N/600WS	0.2
0780N/600WS	<0.1
0790N/600WS	<0.1
0800N/600WS	<0.1
0800N/600WSC	<0.1
0810N/600WS	<0.1
0820N/600WS	<0.1
0830N/600WS	<0.1
0840N/600WS	<0.1
0850N/600WS	<0.1
UNITS	ppb
SCHEME	AAS5D

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COMLABS

Job: COM872989
O/N: 1107

ANALYTICAL REPORT

SAMPLE	Au
850N/600WSC	0.1
0875N/600WS	<0.1
0900N/600WS	<0.1
0950N/600WS	<0.1
1000N/600WS	0.2
1100N/600WS	<0.1
1200N/600WS	<0.1
1300N/600WS	0.3
1400N/600WS	0.2
1500N/600WS	0.6
UNITS	ppb
SCHEME	AAS5D

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COMLABS

Job: COM872989
O/N: 1107

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
MAL032	0.54	0.46	0.58	0.58
MAL033	0.13	--	--	--
MAL034	0.07	--	--	--
MAL035	0.56	--	--	--
MAL036	0.09	--	--	--
MAL037	<0.01	--	--	--
MAL038	<0.01	--	--	--
MAL039	<0.01	--	--	--
MAL040	<0.01	--	--	--
MAL041	<0.01	--	--	--
MAL042	<0.01	<0.01	<0.01	--
MAL043	<0.01	--	--	--
MAL044	<0.01	--	--	--
MAL045	<0.01	<0.01	<0.01	--
MAL046	<0.01	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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COMLABS

Job: COM872989
O/N: 1107

ANALYTICAL REPORT

SAMPLE	As	Sb	Mo	W
MAL032	2	6	18	<10
MAL033	2	<4	12	<10
MAL034	5	8	<2	<10
MAL035	<2	12	2	<10
MAL036	<2	4	<2	<10
MAL037	<2	<4	<2	<10
MAL038	<2	6	2	<10
MAL039	4	4	<2	<10
MAL040	<2	4	<2	<10
MAL041	<2	4	4	<10
MAL042	<2	6	3	<10
MAL043	4	8	3	<10
MAL044	<2	8	2	<10
MAL045	7	8	2	<10
MAL046	8	12	<2	<10
UNITS	ppm	ppm	ppm	ppm
SCHEME	XRF1	XRF1	XRF1	XRF1

APPENDIX III

EL 1375 MUCKANIPPIE

RAB DRILL HOLES LOGS MK01 - MK82

BY TREVOR ELBERG

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1600
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-01
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 1M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.1		FE STAINED RED CLAY WITH	.1M				LN2-001
			FRESH DIORITE FRAGS.					
.1	1		FRESH DIORITE	.9M				LN2-002

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1550
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-02
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		FRESH DIORITE	1m				L2-003

DRILL LOG

0108

COMPANY TARCOOLA GOLD LTD

PROJECT MUCKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES L2-1500

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT,

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-3

AZIMUTH -

INCLINATION -

DATE STARTED 15/12/87

DATE COMPLETED 15/12/87

DEPTH 2m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		SANDY RED, FE STAINED CLAY, CHERTY IN PLACES	1				LN2-004
1	2		FRESH DIORITE	1				LN2-004

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 -1450
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-4
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 17m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		RED SANDY CLAY COVER					LN2-005
1	2		TAN CLAY RICH WEATHERED DIORITE. CHERTY IN PLACES. VISIBLE WHITE MAFIC CLAYS					
2	3		↓					
3	4							
4	5							
5	6							
6	7							
7	8							
8	9							
9	10							
10	11							
11	12							
12	13		GREY/OLIVE WEATHERED DIORITE WITH SOME FRESH DIORITE FRAGS. WHITE CLAYS STILL PRESENT					
13	14							
14	15		AS ABOVE WITH 10% MILKY VEIN QTZ					
15	16							LN2-006
16	17		FRESH DIORITE					LN2-007

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1400
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-5
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		SANDY CLAY COVER	1				L2-008
1	2		TAN/BROWN CLAY RICH	1				
			WEATHERED DIORITE					
2	3		↓	1				
3	4			1				
4	5			1				
5	6			1				L2-009
6	7		FRESH DIORITE	1				L2-010

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1350
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-6
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		RED SANDY CLAY COVER WITH CALCRETE NODULES	1				L2-011
1	2		TAN BROWN CLAY RICH WEATHERED DIORITE, FE STAINED	1				
2	3		↓	1				
3	4			1				
4	5			1				
5	6		↓	1				L2-012
6	7		FRESH DIORITE	1				L2-013

DRILL LOG

COMPANY TARCOOLA GOLD LTD

PROJECT MUCKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES L2 -1330

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT,

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK- 7

AZIMUTH -

INCLINATION -

DATE STARTED 15/12/87

DATE COMPLETED 15/12/87

DEPTH 10 M

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		FE RICH SANDY CLAY COVER	1				L2-014
1	2		RED/GREY WEATH DIORITE	1				
2	3		↓	1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		FRESH DIORITE	1				L2-015
9	10		↓	1				L2-016

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-B10
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-8
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	1		SANDY CLAY COVER	1				L2-017
1	2		ORANGE/GREY CLAY RICH WEATHERED DIORITE	1				
2	3		↓	1				
3	4		↓	1				
4	5		MINOR FRESH DIORITE FRAGMENTS STILL MODERATELY WEATHERED	1				
5	6		↓	1				
6	7		FRESH DIORITE	1				
7	8		↓	1				L2-018
8	9		↓	1				L2-019

DRILL LOG

0114

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGOOMA MINE GRID
CO-ORDINATES L - 1290
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-9
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5m				La-020
.5	1		TAN WEATHERED DIORITE	.5m				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6		↓	1				La-021
6	7		FRESH DIORITE	1				La-022

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES La-1270
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-10
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5m				La-023
.5	2		LIME TO PINK CLAY, 10% VEIN QTZ WITH CHLORITY CLAY FRAGS. POSSIB WEATHERED GRANITE	.5m				
1	2		↓	1				
2	3		↓	1				
3	4		NO VEIN QTZ.	1				
4	5		↓	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				La-024
8	9		FRESH DIORITE	1				La-025

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGROOMA MINE GRID
CO-ORDINATES La-1250
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk-11
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 17m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				La-026
.5	1		KHAKI TAN CLAY WEATH GRANITE, RICH IN ALTERED FELDSPAR, MED G/S	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		CREAM YELLOW KAOLIN WITH FRAGS OF BIOTITE G/S DECREASE STILL WEATHERED GRANITE	1				
9	10		↓	1				
10	11			1				
11	12		↓	1				
12	13		FRESH DIORITE	1				
13	14			1				
14	15			1				
15	16			1				La-027
16	17		↓	1				La-028

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULGANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 1230
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 12
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 36 M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG
HAMMER 34-36 (SLOW DRILLING)

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	-5		SANDY CLAY COVER	-5				L2-029
-5	1		FERRUGINOUS + CLAY	-5				
1	2		LIGHT CREAM CLAY, CHALKY IN PLACES. ALLUVIUM DERIVED POSSIBLY GRANITE. MINOR FE STAINING	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17		AS ABOVE, INTRODUCTION BIOTITE AND MINOR LATTICE QUARTZ	1				
17	18			1				
18	19			1				
19	20			1				
20	21			1				
21	22			1				
22	23			1				
23	24			1				
24	25			1				
25	26							

0118

DRILL LOG (Follow Sheet) HOLE No. MK-12

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
26	27		GREY BROWN, CLAY RICH WEATHERED DIORITE. MINOR VEIN QTZ AND PYRITE	1				
27	28		↓	1				
28	29		↓	1				
29	30		DIORITE INC IN FRAGMENTS INC IN QTZ AND PYRITE	1				L2 030
30	31		↓	1				
31	32		↓	1				
32	33		↓	1				
33	34		DECIN QUANTZ, FRESH DIORITE	1				L2 031
34	35		↓	1				
35	36		↓	1				L2 032

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1210
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-13
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		CLAY/SAND COVER	.5				L2-033
.5	1		LIGHT CREAM CLAY WITH LATILE QUARTZ RICH IN FELDSPAR WEATHERED GRANITE	.5				
1	2			1				
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		SLIGHTLY ALTERED DIORITE WITH FRESH FRAGS					
9	10							
10	11							
11	12		↓					
12	13		FRESH DIORITE FRAGS					
13	14							
14	15							
15	16							
16	17							L2-034
17	18		↓					L2-035

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 1190
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-14
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 11
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L2 036
.5	1		LIGHT PINK CLAY, RICH IN MUSCOVITE AND FELSIC CLAYS, ACID DYKE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				L2 037
8	9		GREY OLIVE FRESH DIORITE	1				L2 038

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1170
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-15
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 25m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L2-039
.5	1		WEATHERED GRANITE, KAOLIN RICH, MASON FELSIC CLAYS CREAM/PINK	.5				
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		TAN WEATHERED IDONITE, CLAY RICH	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		SLIGHT INC IN FRESH FRAGS	1				
10	11		↓	1				
11	12		↓	1				
12	13		TRACE VEIN QUARTZ	1				
13	14		↓	1				
14	15		NO QUARTZ	1				
15	16		↓	1				
16	17		↓	1				
17	18		↓	1				
18	19		GREY GREEN MODERATE GRAIN SIZE PLAGIOCLASE RICH ACID ROCK POSSIB GRANODIORITE	1				
19	20		AS ABOVE VERY SILICEOUS WITH MICA + PYRITE	1				
20	21		↓	1				
21	22		↓	1				

DRILL LOG (Follow Sheet) HOLE No. MK-15

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
22	23		VERY SILICEOUS FRESH	1				
			DIORITE. NO FREE QUARTZ					
23	24		↓	1				LN2-040
24	25			1				LN2-041

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 1150
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-16
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 25
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L2-042
.5	1		KAOLINIZED GRANITE, PALE PINK CLAY	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6		↓	1				
6	7		PALE KHAKI CLAY WEATHERED DIORITE	1				
7	8		↓	1				
8	9			1				
9	10		↓	1				
10	11		MINOR VEIN QTZ	1				
11	12		↓	1				
12	13			1				
13	14			1				
14	15			1				
15	16		↓	1				
16	17		STILL DIORITE AS ABOVE	1				
			SLIGHT DARKER TAN GRADUAL					
			INTRODUCTION OF FRESH PARTS					
17	18		↓	1				
18	19			1				
19	20		↓	1				
20	21		SILICA LAYER	1				
21	22		↓	1				
22	23		FRESH DIORITE	1				
23	24		↓	1				L2-043
24	25		↓	1				L2-044

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1100
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-17
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 16
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5m				L2-045
.5	1		WEATHERED GRANITE, FOSIL	.5m				
			RICH TALC MUSCOVITE (NO					
			FACE QUARTZ)					
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		DIORITE - MINOR CLAY	1				
			ALTERATION					
9	10		↓	1				
10	11			1				
11	12			1				
12	13		↓	1				
13	14		FRESH DIORITE	1				
14	15		↓	1				L2-046
15	16		↓	1				L2-047

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 1050
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 18
AZIMUTH -
INCLINATION -
DATE STARTED 11/2/87
DATE COMPLETED 11/2/87
DEPTH 20M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	-5		SANDY CLAY COVER	-5				L2-048
-5	1		PREDOMINANT GRANITE, BUT	-5				
			MINOR DIORITE FRAGS					
			(GRANITE DYKE)					
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		CLAY ALTERED DIORITE	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		↓	1				
10	11		MINOR VEIN QUARTZ	1				
11	12		↓	1				
12	13		NO VEIN QUARTZ BUT VERY	1				
			SILICEOUS					
13	14		↓	1				
14	15		↓	1				
15	16		↓	1				
16	17		NO SILICA TAN CLAY	1				
			RICH WEATHERED DIORITE	1				
17	18		↓	1				
18	19		FRESH DIORITE	1				L2-049
19	20		↓	1				L2-050

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 1000
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK- 19
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 15M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		FE STAINED SANDY CLAY	.5				L2-051
.5	1		TAN CLAY, CHERTY IN PLACES	.5				
			WEATHERED DIORITE					
1	2		↓	1				
2	3			1				
3	4			1				
4	5		VERY WEATHERED CLAY RICH	1				
			OLIVE GREEN DIORITE					
5	6		↓	1				
6	7			1				
7	8			1				
8	9		REL FRESH DIORITE, SOME	1				
			CLAY ALTERATION ALONG					
			FRACTURE PLANES. FRAGMENTS					
			ARE LARGE AND BLOCKY					
9	10			1				
10	11		FRAGMENTS SMALLER BUT	1				
			FRESH					
11	12		↓	1				
12	13			1				
13	14			1				L2 052
14	15		↓	1				L2 053

DRILL LOG

0127

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 950
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 20
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 21m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SURFACE QUARTZ FLOAT	.5				L2-054
			WITH SANDY CLAY					
.5	1		↓	.5				
1	2		↓	1				
2	3		MODERATE FRESH DIORITE	1				
3	4		↓	1				
5	6		INC IN CLAY	1				
6	7		↓	1				
7	8		↓	1				
8	9		SLIGHTLY FRESHER	1				
9	10		↓	1				
10	11		↓	1				
11	12		↓	1				
12	13		↓	1				
13	14		↓	1				L2-055
14	15		ABUNDANT MASSIVE VEIN	1				L2-056
			QTZ 60% APPEARS					
			BARREN BUT IS MILKY.					
15	16		↓	1				
16	17		40% VEIN QUARTZ	1				
17	18		↓	1				L2-057
18	19		↓	1				
19	20		NO QUARTZ	1				
20	21		↓	1				L2-058

DRILL LOG

COMPANY TARGOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 900
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 21
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 10
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY FE STAINED CLAY	.5				L2 05
.5	1		↓	.5				
1	2		↓	1				
			TAN / KHAKI CLAY					
			ALTERED DIORITE					
2	3		↓	1				
3	4		↓	1				
4	5		↓	1				
5	6		↓	1				
6	7		FRESH DIORITE	1				
7	8		↓	1				
8	9		↓	1				L2-060
9	10		↓	1				L2-061

DRILL LOG

0129

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-850
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-22
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 12
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		FERRICRETE CAPROCK	.5				L2-062
.5	1		↓	.5				
1	2		CLAY LATEN SANDY	1				
			GRIT.					
2	3		↓	1				
3	4		↓	1				
4	5		FACSIT DIORITE WITH 10%	1				
			VEIN QUARTZ					
5	6		↓	1				
6	7		↓	1				
7	8		NO QUARTZ	1				
8	9		↓	1				
9	10		↓	1				
10	11		↓	1				L2-063
11	12		↓	1				L2-064

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 800
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-23
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 8m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	-5		SILCRETE + SANDY CLAY COVER	-5				L2-065
-5	1		↓	-5				
1	2			1				
2	3			1				
3	4		↓	1				
4	5		VERY WEATHERED DIORITE	1				
5	6		↓	1				L2-066
6	7		FRESH DIORITE	1				L2-067

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1500
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-24
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 3
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-001
.5	1		FRESH DIORITE	.5				
1	2		↓	1				
2	3		↓	1				L4-002

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L4-1450
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-25
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 4m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-003
.5	1		FRESH DIORITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				L4-004

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1400
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-26
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-005
.5	1		LIGHT GREY BROWN CLAY RICH WEATH DIORITE, MINOR FRESH FRAGS	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		↓	1				
5	6		INC IN FRESH DIORITE, STILL SOME ALTERATION ALONG FRACTURE PLANES	1				
6	7		↓	1				
7	8			1				
8	9		↓	1				
9	10		FRESH DIORITE	1				
10	11		↓	1				
11	12			1				
12	13			1				L4-006
13	14		↓	1				L4-007

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1350
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-27
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-008
.5	1		TAN, KHAKI CLAY WEATH MEDIUM GRAIN DIORITE	.5				
1	2		A/B	1				
2	3		A/B	1				
3	4		↓	1				
4	5		FRESH DIORITE	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				L4-009
8	9		↓	1				L4-010

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4 - 1300
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 28
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 9
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY FE RICH CLAY	.5				L4-011
.5	1		TAN KHAKI WEATH	.5				
			CLAY RICH DIORITE					
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		FRESH DIORITE SLIGHTLY	1				L4-012
			FRACTURED					
8	9		MINOR FRACTURES	1				L4-013

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L4 1250
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-29
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 12
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-014
.5	1		TAN KHAKI CLAY ALTERED WEATHERED DIORITE.	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		REC FRESH FRAGS WITH CLAY ALTERATION ALONG FRACTURES	1				
7	8		↓	1				
8	9		↓	1				
9	10		FRESH DIORITE	1				
10	11		↓	1				L4-015
11	12		↓	1				L4-016

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1230
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-30
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 24m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-017
.5	1		SLIGHTLY GRAVELLY, PINK/ GREY POSSIBLY GRANITE DYKE BUT PREDOMINANTLY DIORITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6		↓	1				
6	7		RED CLAY RICH PROBABLY A GRANITE MUSCOVITE IS ABUNDANT	1				
7	8		↓	1				
8	9			1				
9	10		↓	1				
10	11		WEATHERED DIORITE SILICIFIED FRACTURED WITH EPIDOTE ALTERATION	1				
11	12		↓	1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17			1				
17	18		↓	1				
18	19		AS ABOVE + RED SILICEOUS FRAGS - ACIDIC DYKE	1				
19	20			1				
20	21		AS ABOVE + MINOR TALC	1				

DRILL LOG (Follow Sheet)

HOLE No. MK-30

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
21	22		NO EPIDOTE	1				
22	23		↓	1				L4-018
23	24			1				L4-019

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALGOOMA MINE GRID
CO-ORDINATES L4-1210
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-31
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 31
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-020
.5	1		PINK WHITE CLAY	.5				
			ALTERED GRANITE. MUSCOVITE					
			+ MINOR QUARTZ					
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		SLIGHT INC IN FREE QTZ	1				
7	8		↓	1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13		MINOR FRESH DIORITE	1				
			FRAGMENTS - SOME EPIDOTE					
			SILICA FRAGS					
13	14		↓	1				
14	15			1				
15	16			1				
16	17			1				
17	18			1				
18	19			1				
19	20			1				
20	21		SLIGHTLY FRESHER SILICA	1				
			RICH AND FRACTURED					
			DIORITE					
21	22		↓	1				
22	23		SUDDEN INC IN EPIDOTE	1				

DRILL LOG (Follow Sheet) HOLE No. MH-31

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
			ALSO MINOR TALC + SOME					
			VOLCANIC FANGS					
23	24		↓	1				
24	25		DECREASE IN VOLCANICS	1				
			MASSIVE FRESH SULFIDE					
			DIORITE WITH MINOR					
			EPIDOTE ALTERATION					
25	26		↓	1				
26	27		↓	1				
27	28		FRESH DIORITE NO EPIDOTE	1				
			~~ALTER~~ ALTERATION					
28	29		↓	1				
29	30		↓	1				L4-021
30	31		↓	1				L4-022

DRILL LOG

0141

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGOOMA MINE GRID
CO-ORDINATES L4-1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-32
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 30
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	SAMPLE No.
0	.5		FE STAINED SANDY CLAY	.5	L4-023
.5	1		MED GRAIN, RED PINK, MAJOR MUSCOVITE NO PHEL QTZ PORPHYRY GRANITE	.5	
1	2		↓	1	
2	3			1	
3	4			1	
4	5			1	
5	6			1	
6	7		TAN CLAY RICH WEATH DIORITE MINOR FRESH FRAGS WITH A TALC SHEEN	1	
7	8		↓	1	
8	9			1	
9	10			1	
10	11		MODERATE FRESH DIORITE FRAGS WITH MAJOR CLAY ALTERATION	1	
11	12		↓	1	
12	13			1	
13	14			1	
14	15			1	
15	16			1	
16	17			1	
17	18			1	
18	19			1	
19	20			1	
20	21			1	
21	22		↓	1	

DRILL LOG (Follow Sheet) HOLE No. 32

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
22	23		SLIGHT INCREASE IN	1				
			CLAY WEATHERING	1				
23	24		↓	1				
24	25		↓	1				
25	26		FRESH DIORITE	1				
26	27		↓	1				
27	28		↓	1				
28	29		↓	1				L4-024
29	30		↓	1				L4-025

DRILL LOG

COMPANY TARGOLA GOLD LTD
PROJECT MUSKANIPPIE
LOCATION MAGOOMA MINE GRID
CO-ORDINATES L4-1200
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-33
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 38
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY FE STAINED CLAY	.5				L4-026
.5	1		CLAY WEATHERED GRANITE, PINK/GREEN WITH MUSCOVITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		SILICIFIED LAYER OF FRACTURED GRANITE	1				
7	8		↓	1				
8	9			1				
9	10			1				
10	11		WEATHERED DIORITE WITH MINOR FRESH FRAGS	1				
11	12		↓	1				
12	13		AS ABOVE WITH MODERATE SILICIFIED GRANITE FRAGMENTS	1				
13	14		↓	1				
14	15			1				
15	16		↓	1				
16	17		CLAY ALTERED DIORITE WITH SOME FRESH FRAGMENTS	1				
17	18		↓	1				
18	19			1				
19	20		↓	1				
20	21		AS ABOVE WITH SOME FE STAINING AND TALC	1				

DRILL LOG (Follow Sheet) HOLE No. MH-33

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
21	22			1				
22	23			1				
23	24			1				
24	25			1				
25	26			1				
26	27			1				
27	28		↓	1				
28	29		FRESH + ACID LEACHED	1				
			FRAGS					
29	30			1				
30	31			1				
31	32		↓	1				
32	33		LARGE INCREASE IN	1				
			SILICIFIED FRAGMENTS					
			GREY/PURPLE FINE TO					
			MEDIUM GRAINED NO					
			RELIC TEXTURE.					
33	34			1				
34	35			1				
35	36		↓	1				
36	37		DIORITE WITH MINOR	1				
			FISSURE QUARTZ VEINING					
			ALONG FRACTURE PLANES					L4-027
37	38		↓	1				L4-028

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGOOMA MINE GRID
CO-ORDINATES L4 1150
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-34
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	SAMPLE No
0	.5		SANDY FE STAINED CLAY COVER	.5	L4-029
.5	1		TAN CLAY ALTERED DIORITE	.5	
1	2		↓	1	
2	3			1	
3	4			1	
4	5			1	
5	6			1	
6	7		FRESH DIORITE FRAGMENTS BUT STILL WITH MODERATE CLAY ALTERATION	1	
7	8		↓	1	
8	9			1	
9	10			1	
10	11			1	
11	12		↓	1	
12	13		FRESH DIORITE WITH MINOR VEIN QTZ	1	
13	14		↓	1	
14	15			1	
15	16			1	L4-030
16	17			1	
17	18		↓	1	L4-031

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALGOOMA MINE GRID
CO-ORDINATES L 1100
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK- 35
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 15m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY FE STAINED CLAY	.5				L4-032
			COVER					
.5	1		FE STAINED FRACTURED	1				
			WEATHERED DIORITE, SLIGHT					
			PINK/RED STAIN MODERATE					
			CLAY ALTERATION					
1	2		↓	1				
2	3		CLAY ALTERED DIORITE	1				
			AS ABOVE GREENY BROWN					
			TINGE					
3	4		↓	1				
4	5		FRESHER HINGE CLAY	1				
			DECREASE					
5	6		↓	1				
6	7		SILICIFIED DIORITE	1				
7	8		↓	1				
8	9		FRESH DIORITE	1				
9	10			1				
10	11			1				
10	12			1				
12	13			1				
13	14			1				L4-033
14	15		↓	1				L4-034

DRILL LOG

COMPANY TARGOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4 - 1050
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. M4 - 36
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 11m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	-5		SANDY CLAY COVER	-5				L4-035
-5	1		PINK GREY WEATHERED	-5				
			GRANITE					
1	2		↓	1				
2	3		↓	1				
3	4		MINOR VEIN QTZ	1				
4	5		↓	1				
5	6		NO QTZ	1				
6	7		↓	1				
7	8		↓	1				
8	9		SUDDEN CHANGE TO FRESH	1				
			DIORITE					
9	10		↓	1				L4-036
10	11		↓	1				L4-037

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1000
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-37
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-038
.5	1		WEATHERED GRANITE, RICH MUSCOVITE FRAGMENTS, MINOR QUARTZ	.5				
1	2		↓	1				
2	3		CREAM GREEN KAOLIN WITH DIORITE FRAGMENTS	1				
3	4		↓	1				
4	5			1				
5	6			1				
6	7			1				
7	8		SILCRETE	1				L4-039
8	9		FRESH DIORITE	1				L4-040

DRILL LOG

0149

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4- 950
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-38
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 16
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY COVER	.5				L4-041
.5	1		KHAKI CLAY WEATHERED	.5				
			DIORITE					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		FRESH DIORITE	1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				L4-042
15	16			1				L4-043

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L4-900
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. M4-39
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 18M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		RED FERRUGINOUS	.5				L4-044
.5	1		VERY CLAY WEATHERED	.5				
			MEDIUM GRAINED DIORITE					
1	2		↓	1				
2	3		FRESH DIORITE	1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		FRACTURED FRESH DIORITE	1				
11	12			1				
12	13			1				
13	14		↓	1				
14	15		FRESH DIORITE	1				
15	16			1				L4-045
16	17			1				
17	18		↓	1				L4-046

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L4- 850
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK- 40
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 17m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL				SAMPLE No.
0	.5		SANDY CLAY	.5				L4-047
.5	1		PINK GREY WEATHERED GRANITE FRAGMENTS WITH DIORITE AS WELL. SUGGESTS GRADUAL CONTACT	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		STILL SOME WEATHERING MAINLY ALONG FRACTURE SURFACES. NO ACID INTRUSIVES	1				
7	8		↓	1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16		↓	1				L4-048
16	17		FRESH DIORITE	1				L4-049

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4- 800
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-41
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 29m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	.5	.01			L4-050
.5	1		QTZ VEIN IN A WEATHERED GRANITE	.5				
1	2		↓	1				
2	3		NO VEIN QUARTZ	1				
3	4			1				
4	5			1				
5	6			1				
6	7		WEATHERED DIORITE, KHAKI CLAY WITH ABUNDANT TALC	1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16		NO TALC	1				
16	17			1				
17	18			1				
18	19			1				
19	20			1				
20	21		AS ABOVE BUT GRANITIC FRAGMENTS POSSIBLY A DYKE ON A GRADUAL CONTACT	1				
21	22			1				
22	23			1				
23	24			1				

DRILL LOG (Follow Sheet) HOLE No. MH-41

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
24	25		↓	1				
25	26		↓	1				
26	27		SILICA RICH GRANITE	1				
27	28		↓	1	.01			L4-051
28	29		AS ABOVE WITH FRESH DIORITE FRAGMENTS	1	.01			L4-052

DRILL LOG

0154

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-750
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. M4-42
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 17M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	-01			L4-053
.5	1		WEATHERED GRANITE, VERY FELSIC WITH ABUNDANT MUSCOVITE FRAGMENTS	.5				
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		SILICA RICH BUT WEATHERED DIORITE	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		FRESH DIORITE	1				
9	10		↓	1				
10	11		↓	1				
11	12		↓	1				
12	13		↓	1				
13	14		↓	1				
14	15		↓	1				
15	16		↓	1	-01			L4-054
16	17		↓	1	-01			L4-055

DRILL LOG

0155

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-43
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			L4-056
.5	1		FE RICH CALCRETE LAYER	.5				
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		CLAY WEATHERED DIORITE	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		FRESH DIORITE	1				
10	11		↓	1	.01			L4-057
11	12		↓	1	.01			L4-058

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES 60m N/W of MK41
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-44
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 26m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		CLAY COVER	.5	.01			L4-059
.5	1		FERRICRETE	.5				
1	2		↓	1				
2	3		WEATHERED GRANITE	1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		FRAGMENTS OF DIORITE	1				
			CLAY ALTERED ALONG					
			FRACTURE PLANES					
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17			1				
17	18			1				
18	19			1				
19	20			1				
20	21			1				
21	22		↓	1				
22	23		FRESH DIORITE	1				
23	24			1				
24	25			1	.01			L4060
25	26		↓	1	.01			L4061

DRILL LOG

0157

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3 - 1300
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 45
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			L3-001
.5	1		FERRICRETE	.5				
1	2		↓	1				
2	3		CLAY ALTERED DIORITE	1				
3	4		↓	1				
4	5		FRESH DIORITE	1				
5	6		↓	1	.01			L3-002
6	7		↓	1	<.01			L3-003

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3-1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-46
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 10 m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		COVER	.5	.01			L3-004
.5	1		CLAY ALTERED DIORITE	.5				
			LIGHT GREY WHITE CLAY					
			WITH FRESH FRAGMENTS					
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		↓	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		FRESH DIORITE	1	.04			L3-005
9	10		↓	1	<.01			L3-006

DRILL LOG

0159

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-47
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 14
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.12			L3-007
.5	1		KHAKI CLAY/SILT WEATHERED DIORITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		FRESH DIORITE	1				
11	12		↓	1				
12	13			1	.12			L3-008
13	14		↓	1	.03			L3-009

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3 1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-48
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 22m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			L3-010
.5	1		WEATHERED GRANITE	.5				
1	2		↓	1				
2	3			1				
3	4		↓	1				
4	5		INC IN CLAY CONTENT	1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		AS ABOVE BUT SILICEOUS IN PARTS	1				
11	12		↓	1				
12	13		TOTALLY SILICIFIED GRANITE	1				
13	14		↓	1				
14	15			1				
15	16		↓	1				
16	17		WEATHERED DIORITE CLAY ALTERED ALONG FRACTURE PLANES	1				
17	18		↓	1				
18	19		SILICIFIED LAYER WITH EPIDOTE ALTERATION	1				
19	20		↓	1				
20	21		NO EPIDOTE	1	.06			L3-011
21	22		↓	1	.01			L3-012

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3-1220
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLAB'S

HOLE NO. MK-49
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 32m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			L3-013
.5	1		WEATHERED ALTD INTRUSIVE (GRANITE) RICH IN FELDSPARS AND MUSCOVITE (NO QUARTZ)	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		CLAY ALTERED DIORITE, KHAKI WITH MINOR FRESH FRAGS	1				
9	10		↓	1				
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16		↓	1				
16	17		INCREASE IN FRESH FRAGMENTS, CLAY ALTERATION ALONG FRACTURE PLANES	1				
17	18		↓	1				
18	19			1				
19	20		↓	1				
20	21		CLAY ALTERATION INCREASE, DARKER GREY, GRAINSIZE IS SMALL TO FINE	1				

0162

DRILL LOG (Follow Sheet) HOLE No. 49

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
21	22			1				
22	23			1				
23	24		↓	1				
24	25		AS ABOVE BUT FRESHER FRAGMENTS	1				
25	26		↓	1				
26	27			1				
27	28		↓	1				
28	29		CLAY WEATHERING INCREASE	1				
29	30		↓	1	<.01			L3-14
30	31		FRESH DIORITE	1				
31	32		↓	1	.07			L3-15

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3 -1200
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-50
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 12
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY WITH FRAGMENTS OF FERRICRETE	.5	<.01			L3-16
.5	1		↓	.5				
1	2		↓	1				
2	3		VERY ALTERED ACID INTRUSIVE, KAOLIN RICH, FRAGMENTS WITH BIOTITE PLAGIOCLASE AND MINOR VEIN QUARTZ	1				
3	4		↓	1				
4	5		↓	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		↓	1				
10	11		FRESH DIORITE	1	<.01			L3-17
11	12		↓	1	<.01			L3-18

DRILL LOG

0164

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3 - 1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 51
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED SANDY CLAY COVER	.5	<.01			L3-019
.5	1		CLAY ALTERED GRANITE, MINOR BIOTITE WITH MUSCOVITE	.5				
1	2		↓	1				
2	3		↓	1				
3	4		MINOR VEIN QUARTZ	1				
4	5		↓	1				
5	6		↓	1				
6	7		CLAY ALTERED DIORITE WITH MINOR FRESH, MED GRAINED FRAGMENTS	1				
7	8		↓	1				
8	9		FRESH DIORITE	1				
9	10		↓	1				
10	11		↓	1				
11	12		↓	1				
12	13		↓	1	.01			L3-020
13	14		↓	1	<.01			L3-021

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L3 - 1160
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-52
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 15m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			L3-022
.5	1		WEATHERED ALTD INTRUSION	.5				
			PINK/CREAM RICH IN					
			MUSCOVITE MINOR FINE					
			QUARTZ					
1	2		↓	1				
2	3			1				
3	4			1				
4	5		KHAKI/CREAM CLAY	1				
			ALTERED DIORITE					
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12		↓	1				
12	13		MAJOR SILICIFICATION WITH	1				
			EPIDOTE ALTERATION					
13	14		↓	1	.02			L3-023
14	15		NO EPIDOTE	1	<.01			L3-024

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1500
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-53
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 10m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	Au			SAMPLE No.
0	.5		SANDY CLAY COVER	1	<.01			Lo-001
.5	1		WEATHERED GRANITE	1				
			PINK / CREAM CLAY RICH					
			WITH BIOTITE, MUSCOVITE					
			AND MINOR FREE QUARTZ					
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		FRESH DIORITE	1	<.01			Lo-002
9	10		↓	1	<.01			Lo-003

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo 1450
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-54
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY RED CLAY	.5	<.01			Lo-004
.5	1		PINK / CREAM CLAY	.5				
			MOD WEATHERED GRANITE					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		WEATHERED DIORITE, KHAKI	1				
			CREAM CLAY RICH WITH					
			MINOR FRESH FRAGMENTS					
7	8			1				
8	9			1				
9	10			1				
10	11		FRESH DIORITE	1	<.01			Lo-005
11	12			1	<.01			Lo-006

DRILL LOG

0168

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1400
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-55
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 16m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	-5	<.01			Lo-007
.5	1		SILICIFIED BLOCKS OF FINE GRAINED DIORITE, WITH FE STAINING.	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		MAINLY FRESH DIORITE WITH SOME CLAY ALTERATION ALONG FRACTURE PLANES	1				
5	6		↓	1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11		ABOVE WITH MINOR VEIN QUARTZ	1				
11	12		↓	1				
12	13			1				
13	14			1				
14	15		↓	1	<.01			Lo-008
15	16		FRESH DIORITE	1	<.01			Lo-009

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo-1350
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk-56
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 11m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			Lo-010
.5	1		KHAKI CREAM WEATHERED DIORITE WITH MINOR FRESH FRAGMENTS	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		FRESH DIORITE	1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1	<.01			Lo-011
10	11		↓	1	<.01			Lo-012

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo 13
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-57
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		SANDY CLAY FE COVER	.5	<.01			Lo-013
.5	1		FRESH DIORITE ALSO CALCRETE	.5				
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		AS ABOVE WITH FE STAINING / VERY FRACTURED	1				
5	6		↓	1				
6	7		NO CALCRETE	1				
7	8		↓	1				
8	9		FRESH DIORITE VERY SILICIFIED WITH EPIDOTE ALTERATION	1				
9	10		↓	1				
10	11		↓	1	<.01			Lo-014
11	12		↓	1	<.01			Lo-015

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo-1280
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-58
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY	.5	.04			Lo-016
.5	1		FE STAINED DIORITE	.5				
			MAJOR CLAY ALTERATION					
1	2		↓	1				
2	3		AS ABOVE NO FE STAIN	1				
3	4			1				
4	5			1				
5	6		↓	1				
6	7		FRESHER DIORITE, DARK	1				
			GREY WITH FELSIC LATHS					
7	8		↓	1				
8	9		FRESH DIORITE	1				
9	10			1				
10	11			1	<.01			Lo-017
11	12		↓	1	<.01			Lo-018

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1260
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk - 59
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		RED PALE SANDY CLAY	-5	<.01			Lo-019
-5	1		AS ABOVE WITH SILICEOUS FRAMEGNETE	-5				
1	2		AVr					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8							
8	9		KHAKI CLAY RICH WEATH DIORITE					
9	10							
10	11		VEIN QUARTZ WITH EPIDOTE ALTERED DIORITE					
11	12							
12	13							
13	14							
14	15							
15	16							
16	17		INTENSE SILICIFICATION		.01			Lo-020
			BUT NO EPIDOTE		<.01			Lo-021
17	18							

DRILL LOG

0173

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES Lo-1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-60
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18 M
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			Lo-022
.5	1		WEATHERED GRANITE LAYER	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		WEATHERED DIORITE WITH	1				
			MINOR FRESH FRAGMENTS					
5	6		↓	1				
6	7			1				
7	8			1				
8	9		AS ABOVE WITH FE	1				
			STAINING					
9	10		↓	1				
10	11		FRESH DIORITE	1				
11	12		↓	1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17			1	<.01			Lo-23
17	18		↓	1	<.01			Lo-24

0174

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo-1220
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-61
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			Lo-25
.5	1		WEATHERED GRANITE WITH SOME FE STAINING	.5				
1	2		↓	1				
2	3		THIN CLAY RICH WEATHERED DIORITE	1				
3	4			1				
4	5			1				
5	6		↓	1				
6	7		INCREASE IN FRESH FRAGMENTS BLOCKY WITH ALTERATION ALONG FRACTURE PLANES	1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12		↓	1				
12	13		FRESH DIORITE	1				
13	14			1				
14	15			1				
15	16			1				
16	17			1	.01			Lo-26
17	18		↓	1	<.01			Lo-27

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1200
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-62
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 23M
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5m	<.01			Lo-28
.5	1		FE STAINED WEATHERED CLAY RICH DIORITE	.5				
1	2		↓	1				
2	3		WEATHERED DIORITE NO FE STAIN WITH MINOR FRESH FRAGMENTS	1				
3	4		↓	1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		FRESH DARK DIORITE FINE GRAINED WITH MINOR ALTERATION ALONG FRACTURE PLANES	1				
11	12		↓	1				
12	13			1				
13	14			1				
14	15			1				
15	16		↓	1				
16	17		AS ABOVE WITH MINOR ALTO INTRUSIVE FRAGMENTS	1				
17	18		↓	1				
18	19		ALTO INTRUSIVE FRAGMENTS 40%	1				
19	20		↓	1				
20	21		FRESH DIORITE	1				
21	22		↓	1	<.01			Lo-29
22	23		↓	1	<.01			Lo-30

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo -1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk-63
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 11
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			Lo-31
.5	1		WEATHERED ACID INTRUSIVE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		FRESH DIORITE	1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1	<.01			Lo-32
10	11		↓	1	<.01			Lo-33

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo 1160
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-64
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 11m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			Lo-34
.5	1		FRESH DIORITE	.5				
1	2		↓	1				
2	3		↓	1				
3	4		↓	1				
4	5		FRESH DIORITE WITH CHENTY	1				
			CLAY FRAGMENTS					
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		SLIGHT EPIDOTE ALTERATION	1				
9	10		FRESH DIORITE	1	<.01			Lo-35
10	11		↓	1	<.01			Lo-36

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1150
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-65
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		COVER	.5	<.01			Lo-37
.5	1		CLAY RICH WEATHERED DIORITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		AS ABOVE LARGE GRAIN SIZE	1				
			SOME VEIN QUARTZ ALSO					
			VERY SILICEOUS					
7	8		↓	1	<.01			Lo-38
8	9		FRESH DIORITE	1	<.01			Lo-39

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES Lo 1100
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-66
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 19m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		CLAY COVER	.5	<.01			Lo-40
.5	1		FRESH BLOCKS OF DIORITE FE STAINED AND CLAY ALTERED ALONG FRACTURE PLANES	.5				
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11		FRESH DIORITE, TRACE VEIN QUARTZ	1				
11	12			1				
12	13			1				
13	14			1				
14	15		NO QUARTZ	1				
15	16			1				
16	17			1				
17	18			1	<.01			Lo-41
18	19			1	<.01			Lo-42

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo 1050
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-67
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 16
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			Lo-43
.5	1		WEATHERED GRANITE, CLAY RICH VISIBLE BIOTITE AND MUSCOVITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8		↓	1				
8	9		FRESH DIORITE WITH MINOR CLAY ALTERATION	1				
9	10		↓	1				
10	11			1				
11	12			1				
12	13		↓	1				
13	14		FRESH DIORITE	1				
14	15		↓	1	<.01			Lo 44
15	16		↓	1	<.01			Lo 45

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULGANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 1000
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-68
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	-5		COVER	-5m	<.01			Lo-46
-5	1		WEATHERED DIORITE	-5				
			CLAY RICH, KHAKI COLOUR					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		FRESH DIORITE, MED GRAIN	1				
7	8			1				
8	9			1				
9	10			1				
10	11			1	<.01			Lo-47
11	12			1	<.01			Lo-48

DRILL LOG

0182

COMPANY TARCOOLA GOLD LTD

PROJECT MUCKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES Lo -950

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-69

AZIMUTH -

INCLINATION -

DATE STARTED 17/12/87

DATE COMPLETED 17/12/87

DEPTH 4m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		FRESH DIORITE	~5	<.01			Lo-49
-5	1		↓	-5				
1	2			1				
2	3			1				
3	4			1	.01			Lo-50

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo-900
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-70
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 4m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		WEATHERED GRANITE	.5	<.01			Lo-51
.5	1		↓	.5				
1	2		FRESH DIORITE	1				
2	3		↓	1	.18			Lo-52
3	4		↓	1	<.01			Lo-53

DRILL LOG

0184

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 850
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT,
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk-71
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 11
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED SANDY CLAY	.5	<.01			Lo-54
.5	1		KHAKI/TAN CLAY MIX WEATHERED DIORITE	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9		FRESH DIORITE	1				
9	10		↓	1	<.01			Lo-55
10	11			1	<.01			Lo-56

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES Lo - 800
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 72
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 13m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG
VERY SLOW DRILLING 10-13m USE HAMMER

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			Lo-57
.5	1		GREEN/GREY, FINE	.5				
			GRAINED CLAY WEATHERED					
			DIORITE					
1	2		↓	1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10		↓	1				
10	11		VERY FRESH DIORITE WITH	1				
			MINOR VEIN QUARTZ					
11	12		↓		<.01			Lo-58
12	13		NO VEIN QUARTZ BUT	1	<.01			Lo-59
			VERY FRESH DIORITE					

DRILL LOG

0186

COMPANY TARCOOLA GOLD LTD

PROJECT MUCKANIPPIE

LOCATION MAGBOOMA MINE GRID

CO-ORDINATES L1 -1300

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-73

AZIMUTH -

INCLINATION -

DATE STARTED 17/12/87

DATE COMPLETED 17/12/87

DEPTH 2m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FRESH DIORITE	.5	<.01			L1-01
.5	1		↓	.5				
1	2		↓	1	<.01			L1-02

DRILL LOG

0187

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1280
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-74
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 4
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		FRESH DIORITE	.5	<.01			L1-03
.5	1			.5				
1	2			1				
2	3			1				
3	4			1	<.01			L1-04

DRILL LOG

0188

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 - 1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 75
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 4m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FRESH DIORITE	.5	<.01			L4-05
.5	1		↓	.5				
1	2			1				
2	3			1				
3	4			1	<.01			L4-06

DRILL LOG

0189

O' ANY TARCOOLA GOLD LTD

JECT MUCKANIPPIE

OCATION MAGBOOMA MINE GRID

CO-ORDINATES L1 - 1240

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK - 76

AZIMUTH -

INCLINATION -

DATE STARTED 17/12/87

DATE COMPLETED 17/12/87

DEPTH 20M

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG HAMMER 17 - 20m

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		CLAY COVER	-5	<.01			L1-07
-5	1		WEATHERED GRANITE	-5				
			CLAY ALTERED RICH IN					
			MUSCOVITE					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7		WEATHERED DIORITE	1				
7	8			1				
8	9			1				
9	10			1				
10	11		FRESH DIORITE VERY	1				
			SILICA RICH ALMOST FREE					
			QUARTZ					
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17		SILICEOUS DIORITE	1				
17	18			1				
18	19		MAJOR VEIN QUARTZ	1	.01			L1-08
19	20		FRESH DIORITE	1	.04			L1-09

DRILL LOG

0190

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1220
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-77
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		SANDY CLAY/ COVER	.5	.03			L1-10
.5	1		↓	.5				
1	2		↓	1				
2	3		TAN COLOURED, CLAY RICH	1				
			WEATHERED DIORITE					
3	4		↓	1				
4	5		↓	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		↓	1				
10	11		FINE GRAINED DARK GREY	1				
			DIORITE					
11	12		↓	1				
12	13		↓	1				
13	14		↓	1				
14	15		ALMOST BLACK, SILICEOUS	1				
			DIORITE					
15	16		↓	1				
16	17		↓	1	.03			L1-11
17	18		↓	1	.03			L1-12

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 1200
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-78
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.01			4-13
.5	1		GREY BROWN WEATHERED DIORITE, CLAY RICH MINOR FELSIC LATHES,	.5				
1	2		↓	1				
2	3			1				
3	4			1				
4	5		SLIGHT INCREASE OF FRESH DIORITE FRAGMENTS	1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13		FRESH GREY DIORITE FRAGMENTS MEDIUM GRAIN SIZE WITH MINOR CLAY ALTERATION ALONG FRACTURE PLANES	1				
13	14			1				
14	15		↓	1				
15	16		NO CLAY ALTERATION	1				
16	17		↓	1	.02			4-14
17	18			1	.02			4-15

DRILL LOG

0192

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-79
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	-5		SANDY CLAY COVER	.5	.01			L1-16
-5	1		↓	.5				
1	2		↓	1				
2	3		DARK GREY VERY FINE	1				
			GRAINED, FRESH BUT					
			FRACTURED DIORITE					
3	4		↓	1				
4	5		↓	1				
5	6		↓	1				
6	7		↓	1				
7	8		↓	1				
8	9		↓	1				
9	10		VERY SILICEOUS	1				
10	11		↓	1				
11	12		↓	1				
12	13		↓	1	.02			L1-17
13	14		↓	1	.02			L1-18

DRILL LOG

0193

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1-1160
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK- 80
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY FE STAINED	-5	.02			L1-19
-5	1		KHAKI CREAM CLAY RICH	-5				
			WEATHERED DIORITE. MINOR					
			FRESH FRAGMENTS					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12		FRESH DIORITE	1	.01			L1-20
				1	<.01			L1-21

DRILL LOG

0194

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES 10m S/W of MINE
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-81
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 36m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	-01			L, -22
-5	1		KHAKI TAN CLAY MIX	-5				
			WEATHERED DIORITE					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9		↓	1				
9	10		MINOR VEIN QUARTZ / SOME	1				
			FRESH FRAGMENTS FE STAINED					
10	11			1				
11	12			1				
12	13			1				
13	14			1				
14	15			1				
15	16			1				
16	17			1				
17	18			1				
18	19			1				
19	20		↓	1				
20	21		MINOR TALC ALTERATION	1				
			DIORITE STILL SAME AS					
			ABOVE					
21	22			1				
22	23			1				
23	24			1				
24	25			1				
25	26		↓	1				

DRILL LOG (Follow Sheet) HOLE No. MK-81

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
26	27		↓	1				
27	28		↓	1				
28	29		FRESH FRACTURED BLOCKS	1				
			OF DIORITE WITH					
			WEATHERING ALONG FRACTURE					
			PLANES					
29	30		↓	1				
30	31		↓	1				
31	32		↓	1				
32	33		↓	1				
33	34		↓	1				
34	35		VERY FRESH GREY,	1	.10			L-23
			MEDIUM GRAINED DIORITE					
35	36		↓	1	.08			L-24

DRILL LOG

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES 20m S/W OF MINE
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-82
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 32
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG
AIR LOSS AT 16m DUE TO FRACTURED GROUND ON STOPE

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY	-5	<.01			LI-25
-5	1		WEATHERED GRANITE, CLAY	-5				
			MICA MINOR BIOTITE					
			MAJOR MUSCOVITE					
1	2			1				
2	3			1				
3	4			1				
4	5			1				
5	6			1				
6	7			1				
7	8			1				
8	9			1				
9	10			1				
10	11			1				
11	12			1				
12	13		VEIN QUARTZ, LARGE	1				
			BLOCK FRAGMENTS MILKY					
			WHITE					
13	14		POSSIBLE WEATHERED	1				
			GRANITE WITH MINOR					
			QUARTZ VEINS. PINK					
			GREY CLAY.					
14	15			1				
15	16			1				
16	17			1				
17	18			1				
18	19			1				
19	20			1				
20	21		BLOCK FRAGMENTS OF	1				
			FRESH DIORITE WITH					
			ALTERATION ALONG FRACTURE					

DRILL LOG (Follow Sheet) HOLE No. MH-82

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
			PLANES					
21	22			1				
22	23			1				
23	24			1				
24	25			1				
25	26			1				
26	27			1				
27	28			1				
28	29			1				
29	30		↓	1				
30	31		FRESH DIORITE	1	.01			4-26
31	32		↓	1	.01			4-27

II

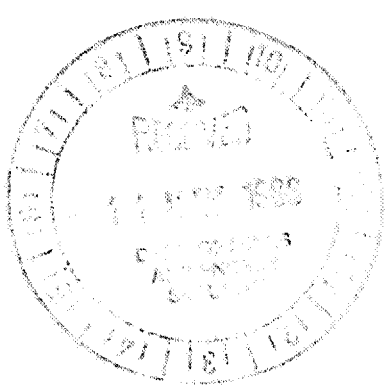
TARCOOLA GOLD LIMITED

FIFTH QUARTERLY REPORT ON EXPLORATION

LICENCE NUMBER 1375, MUCKANIPPIE

SOUTH AUSTRALIA FOR PERIOD

ENDING 5 APRIL, 1988



Adelaide
April, 1988

Trevor Elberg
Geologist

DISTRIBUTION

	COPY
S.A. DEPARTMENT OF MINES AND ENERGY	ORIGINAL
TARCOOLA GOLD LIMITED	1

EL 1375

MUCKANIPPIE

Statement of Expenditure incurred from
January 6th to April 5th, 1988

Assay Costs	10,660.90
Administration (5%)	533.00
	$ 11,193.90

CONTENTS

1.	Summary	1
2.	Introduction	2
3.	RAB Drilling	3
4.	Soil Sampling Programme 4.1 - Malbooma Mine Area 4.2 - Regional Sampling	4
5.	Forward Programme	5

APPENDIX

1. Assays COM 873647 RAB Drilling

2. Assays COM 873756 RAB Drilling

3. Assays COM 873585 Soil Samplings - Regional + Mine Grid

4. RAB Drilling Logs and Results

LIST OF ILLUSTRATIONS

FIGURES		FOLLOWS PAGE NO.
1.	Locality Map EL 1375 with Basement Geology	1
2.	Soil Sampling Assays of Malbooma Mine Area	4

PLANS (IN POCKET)

1. E.L. No. 1375 Base Plan Showing Regional Grid
2. RAB Drilling Top-of Hole Gold Assays
3. RAB Drilling Mid-Hole Gold Assays
4. RAB Drilling Bottom-of-hole Gold Assays
5. Regional Soil Sampling Results

1. SUMMARY

During the fifth quarter Tarcoola Gold has undertaken limited exploration due to unfavourable weather conditions. However assay costs have been incurred with results available which were not returned in the previous quarter.

These include a RAB drilling programme over the Malbooma Mine area, as well as regional and localised soil sampling programmes.

Results have been encouraging with a significant gold anomaly outlined by the soil sampling programme in the east of the E.L., and intercepts of quartz veining returned significant gold values around the historic Malbooma Mine.

2. INTRODUCTION

This is the fifth quarterly report to the South Australian Department of Mines and Energy for Exploration Licence No. 1375, Muckanippie area, being for the period January 5th, 1988 to April 5th, 1988.

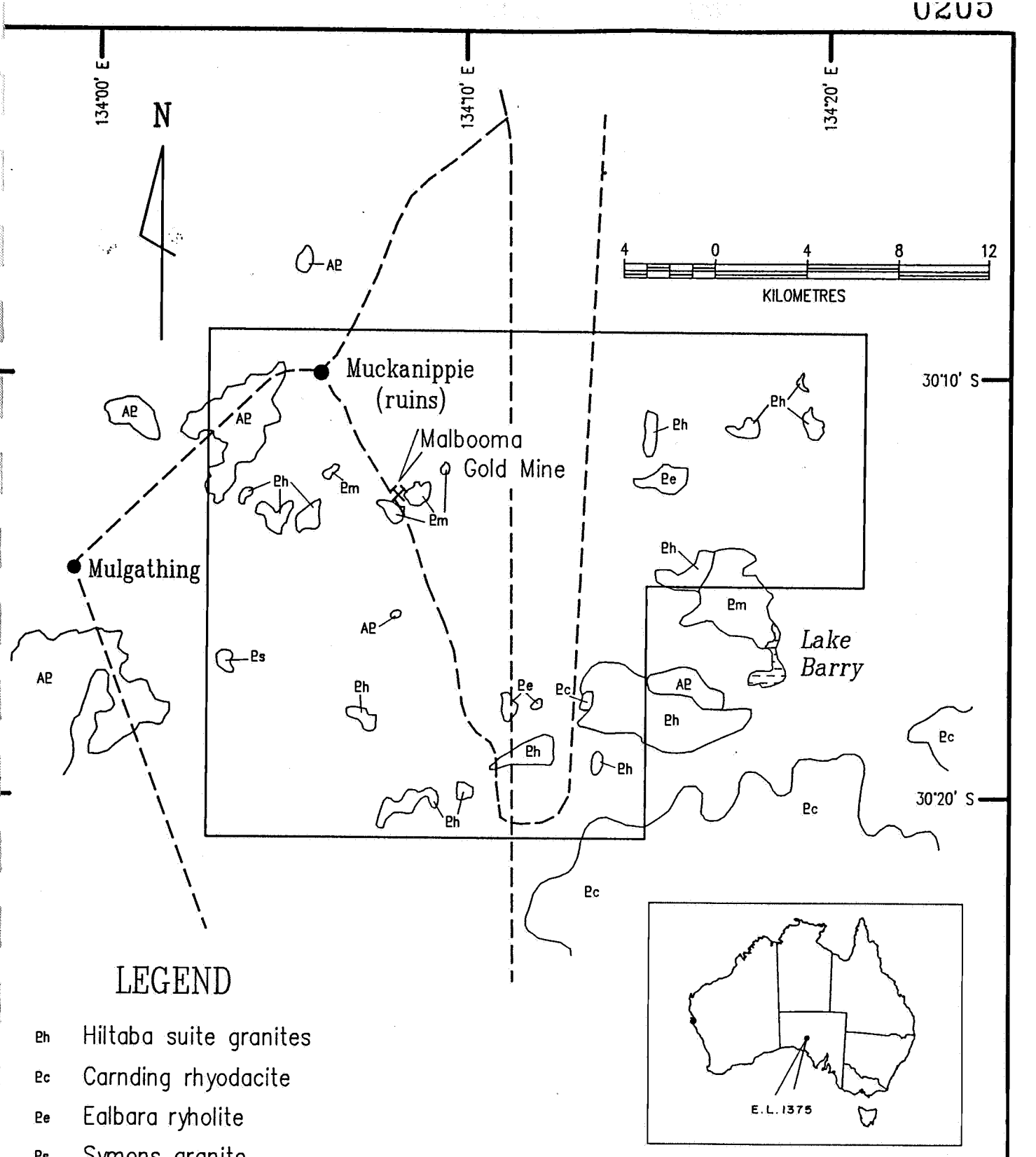
The Muckanippie licence covers an area of about 533 square kilometres, surrounding the old Malbooma Goldfield, approximately 70km north west of Tarcoola. The Licence was granted to Insight Mining Pty. Ltd., now known as Tarcoola Gold Limited, on 6 January, 1987 to search for gold and other metals.

The area is one of the low relief, limited basement outcrop with expanses of Jurassic and Tertiary cover and has had very little exploration for gold carried out over it.

Known gold mineralisation is restricted to the historic Malbooma Gold Mine workings (also known as Muckanippie). This area was discovered in 1909 when a Government prospecting party located gold bearing float near the Muckanippie rock holes. Mining opened up a 1.5 metre wide quartz reef containing limonitic fractures and voids after pyrite carrying gold values of around 7g/t. Grade was found to drop off with depth suggesting surface enrichment and the prospect was abandoned in 1926. A syndicate was formed to work the deposit but no production is recorded.

Basement rocks consist of Archean Gneissic metasediments including banded iron formations. These are overlain by acidic phases of the Gawler Range Volcanics, of Proterozoic age. Intruding is the Muckanippie Diorite, a possible intrusive phase of the volcanics, and host to the known gold mineralisation. All the above rocks are intruded by Proterozoic granites of the Hiltaba Suite and by dykes of the Wiltabbie Volcanics, which include both acidic and basic varieties (See Figure 1).

Work to date has concentrated on areas of outcrop and subcrop of the Muckanippie Diorite, as this lithology hosts the only known gold mineralization (See Plan 1).



LEGEND

- Eh Hiltaba suite granites
- Ec Carnding rhyodacite
- Ee Ealbara ryholite
- Es Symons granite
- Em Muckanippie diorite
- AE Mulgathing complex
- Track

Geology based on TARCOOLA 1:250,000 sheet

Basement Geology MUCKANIPPIE E.L. 1375

Figure 1

3. RAB DRILLING

Results from RAB Drilling around the Malbooma Mine are now available. The programme consisted of 82 holes totalling ~~1231~~ 1213 metres. Detailed logs and cross sections of holes may be found in the previous quarterly report.

Samples were collected from the top .5m, middle and bottom 1m of the hole. They were sent to Comlabs for Au analysis by fire assay. Re JOB COM 873647 and 873756 (see Appendices 1 and 2).

The majority of assay values were low with 25 of the 82 holes returning gold values below the .01ppm detection limit. The remaining holes assayed between .01 and .08ppm, with the exception of MK12 and MK13. M12 was collared about 20m west of the Malbooma Shaft and returned gold values of 0.8 g/tonne (0.5 - 30m composite sample), 1.44 g/tonne (30 - 34m) and 3.3 g/tonne (34 - 36m EOH sample). From 30 - 36m the hole drilled through a quartz vein which is probably the down-dip extension of the quartz reef found in the Malbooma Mine.

Mk13 returned a value of 0.11ppm Au from the surface sample.

Plans 2,3 and 4 show drill hole locations and gold assays.

4. SOIL SAMPLING PROGRAMME

4.1 A secondary grid was established over the old Malbooma Gold Mine (See Figure 5). Lines are 50m spaced with sample sites 25m and 50m apart along the lines. A total of 50 samples were taken to a depth of 0.75m using a power hand auger, were taken and analysed for gold by Comlabs using the Bulk Cyanide Leach (BCL) method (0.1ppb detection limit).

The results indicate the presence of a NW-SE trending anomalous zone immediately to the north of the Malbooma Mine. (See Figure 2).

4.2 In the east of the tenement (see Plan 1) a total of 280 soil samples were taken from an area with minimal outcrop (the Lake Barry prospect) but presumed to be at least partly underlain by Muckanippie Diorite. Samples were collected at 100m intervals along 200m and 400m spaced grid lines. The samples were analysed for gold by Comlabs using the BCL method (0.1 ppb detection limit).

Results were encouraging with the outlining of a significant north-south trending gold anomaly extending over 1400 metres in length and 200 metres in width (see Plan 5).

TARCOOLA GOLD LIMITED

E.L. 1375 - MUCKANIPPIE

DETAILED SOIL SAMPLING GRID MALBOOMA MINE AREA

AUTHOR.	DATE	
G. CIRCOSTA	JAN. '88	Figure 2

5. FORWARD PROGRAM

MALBOOMA MINE AREA

Further RAB drilling is required to :

1. follow-up the significant gold assays returned from MK-12
2. follow-up the surface sampling gold anomaly adjacent to the old workings
3. test the along-strike and down-dip potential of the Malbooma Mine quartz reef
4. further test the quartz veins intersected in the original RAB drilling programme.

REGIONAL EXPLORATION

The next stage of regional exploration will:

1. conduct a ground magnetic survey over the main grid to define the extent of the Muckanippie Diorite
2. extend the BCL soil sampling over the remainder of the gridded area
3. follow-up the significant gold anomaly outlined at Lake Barry with an infill BCL soil sampling programme

'BRADMAN' O.S. (Ruin)
TANK
'MUCKANIPPIE' O.S. (Ruin)
BORE, TANK
HONEYSUCKLE BORE (OLD)
MAL017,018
MAL015,016
PEGLAR BORE
MAL027
MAL022
MAL023-025
MAL026
MAL020,021
MAL028
MAL037,038
MAL029,030
MAL039
MAL031
MAL040
MAL013,014
MAL032-036
MAL042
MAL041
MAL BOOMA GOLD MINE
FENCE
PROOF
VERMIN
BASELINE
7000W
6000W
5000W
4000W
3000W
2000W
1000W
0
1000E
2000E
4000E
6000E
8000E
10000E
11000E
13000E
15000E
17000E
BASELINE 2000N
SATISFACTION BORE
MAL043-046
MAL019
Position Uncertain
TO MULGATHING H.S.
TO BULGUNNIA H.S.
DINGO WELL, DAM, TANK
WHITE NOSE BORE & TANK
SNAKE ROCKS BORE, TANK
DOROTHY WELL
LEPA
JUDYS BORE
134°00'
134°03'
134°05'
134°10'
134°15'
134°20'
134°21'
30°09'
30°10'
30°15'
30°20'
30°21'
6660 000m N
410 000m E
64
65
66
42
43
44

•MAL034 Rock Sample Location (samples 013 - 046)

0 1 2 3 4 5
KILOMETRES

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

BASE PLAN 1:50000
6823-6

AUTHOR.	DRAWN.	DATE.	PLATE.
D.TONKIN	CARTO GRAPHICS	JAN '88	1

Main grid bearing 010°(mag.)

MALBOOMA GOLD MINE

MALBOOMA LODE 607/240°M

POSSIBLE LODE PROJECTION

L5 L4 L3 L2 L1 L0

1600 1500 1400 1300 1200 1100 1000 900 800 700

LEGEND

- MK Hole Number Prefix
- (10) Depth of Hole
- •A MK-81(36) (0 01)
- •B MK-82(32) (0 01)
- Shaft
- Tailings Dump
- Projection of Lode
- Ph Hitaba Granite
- Pb2 Muckanippie Diorite
- Qtz Quartz Veining
- • Secondary Silicification + Epidote Alteration
- (0·12) Gold Assay (ppm) TOP-OF-HOLE SAMPLE

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

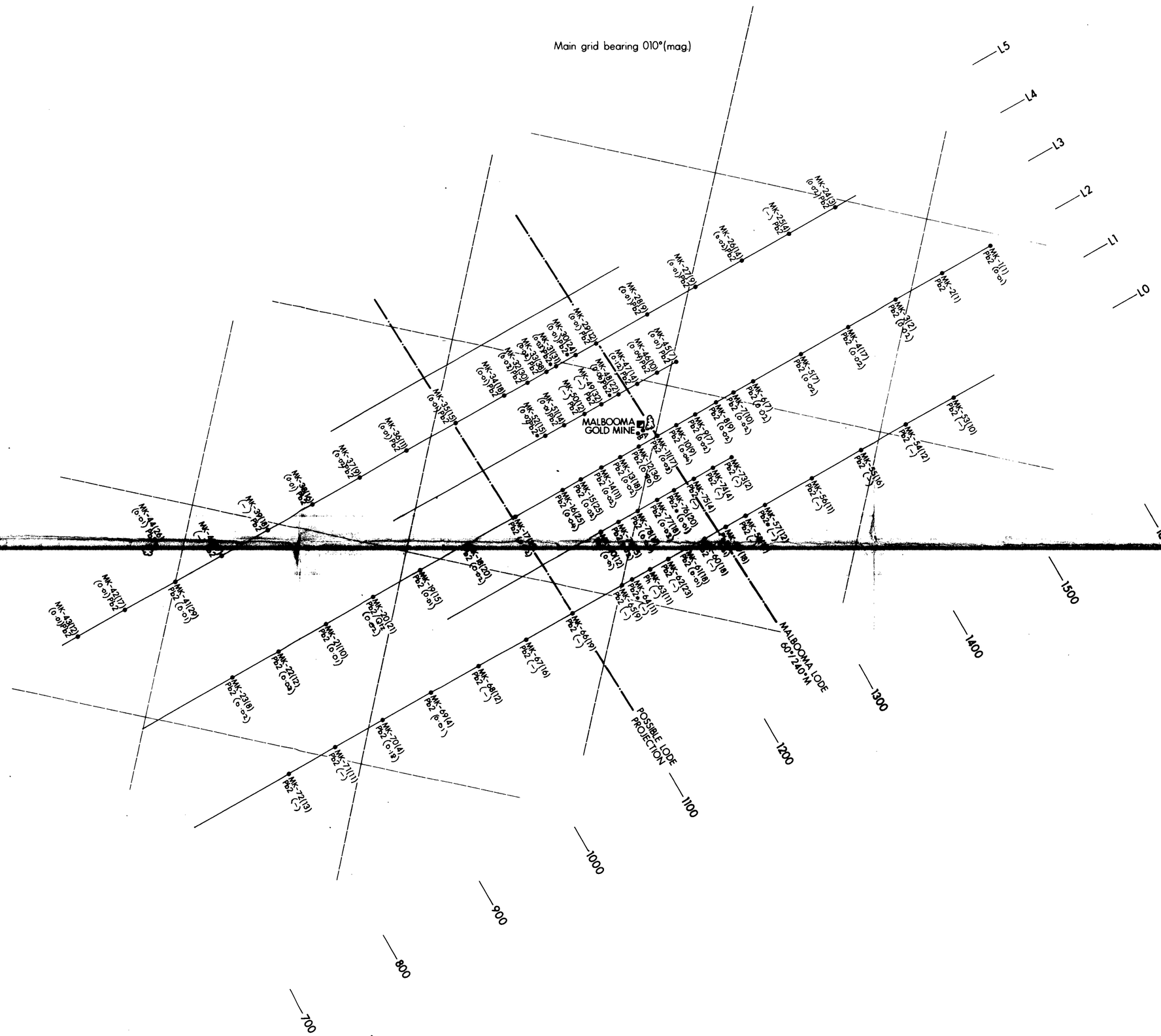
6823-7

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

AUTHOR	DRAWN.	DATE.	PLATE.
T. ELBERG	CARTO GRAPHICS	JAN '88	2



LEGEND

- MK Hole Number Prefix
- (10) Depth of Hole
- •A MK-81(36) (0·10)
- •B MK-82(32) (0·01)
- ▪ Shaft
- Tailings Dump
- Projection of Lode
- Ph Hitaba Granite
- Pb2 Muckanippie Diorite
- Qtz Quartz Veining
- • Secondary Silicification + Epidote Alteration
- (0·10) Gold Assay (ppm) MIDDLE-OF-HOLE COMPOSITE SAMPLE

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

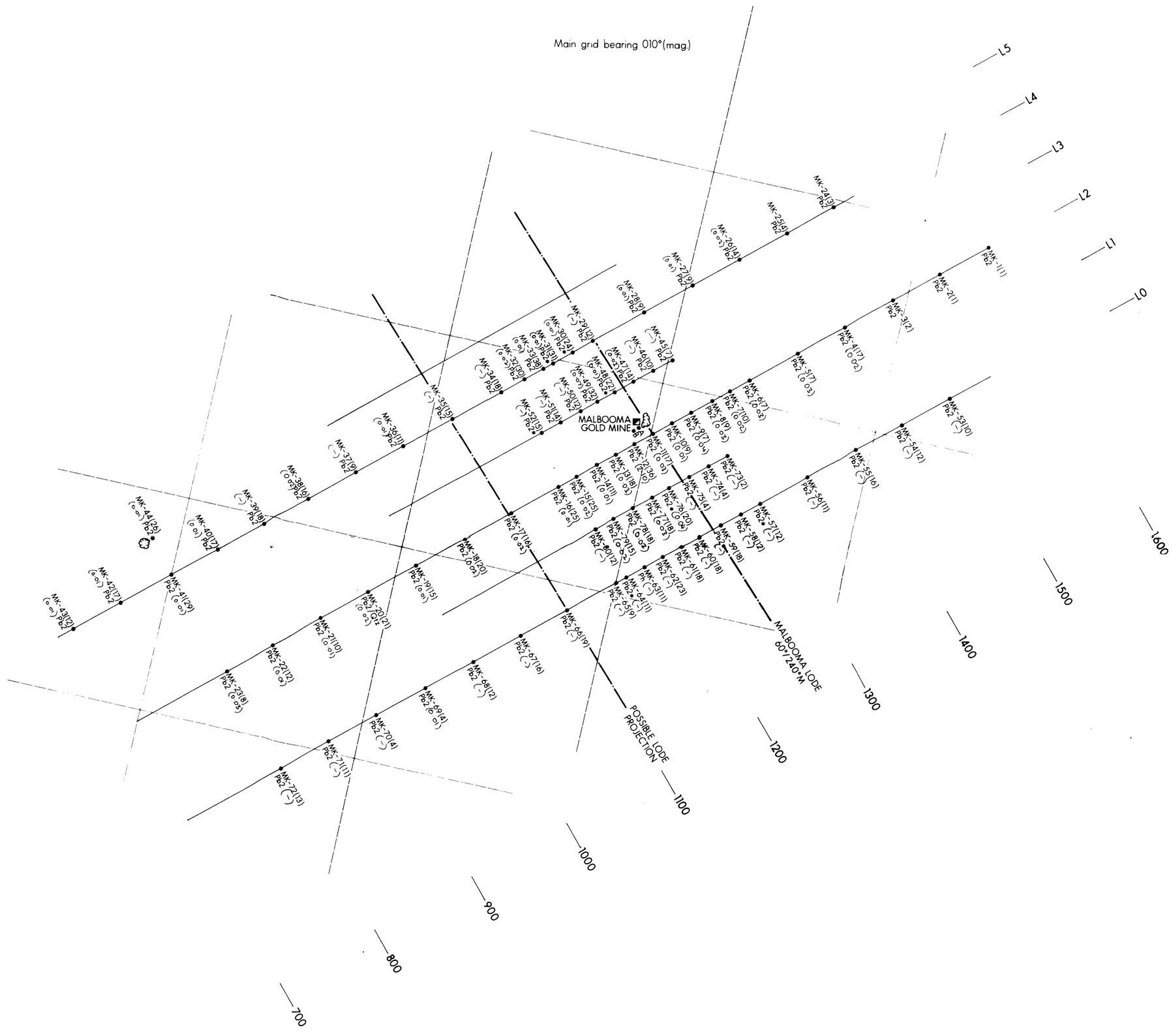
6823-8

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

AUTHOR.	DRAWN.	DATE.	PLATE.
T. ELBERG	CARTO GRAPHICS	JAN '88	3



LEGEND

- MK — Hole Number Prefix
- (10) — Depth of Hole
- •A — MK-81(36) (0.05)
- •B — MK-82(32) (0.01)
- ▪ — Shaft
- Tailings Dump
- Projection of Lode
- Ph — Hitaba Granite
- Pb2 — Muckanippie Diorite
- Qtz — Quartz Veining
- • — Secondary Silicification + Epidote Alteration
- (2.1) Gold Assay (ppm) BOTTOM-OF-HOLE SAMPLE

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

6823-9

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

AUTHOR	DRAWN	DATE	PLATE
T. ELBERG	CARTO GRAPHICS	JAN '88	4

4400 N

3600 N

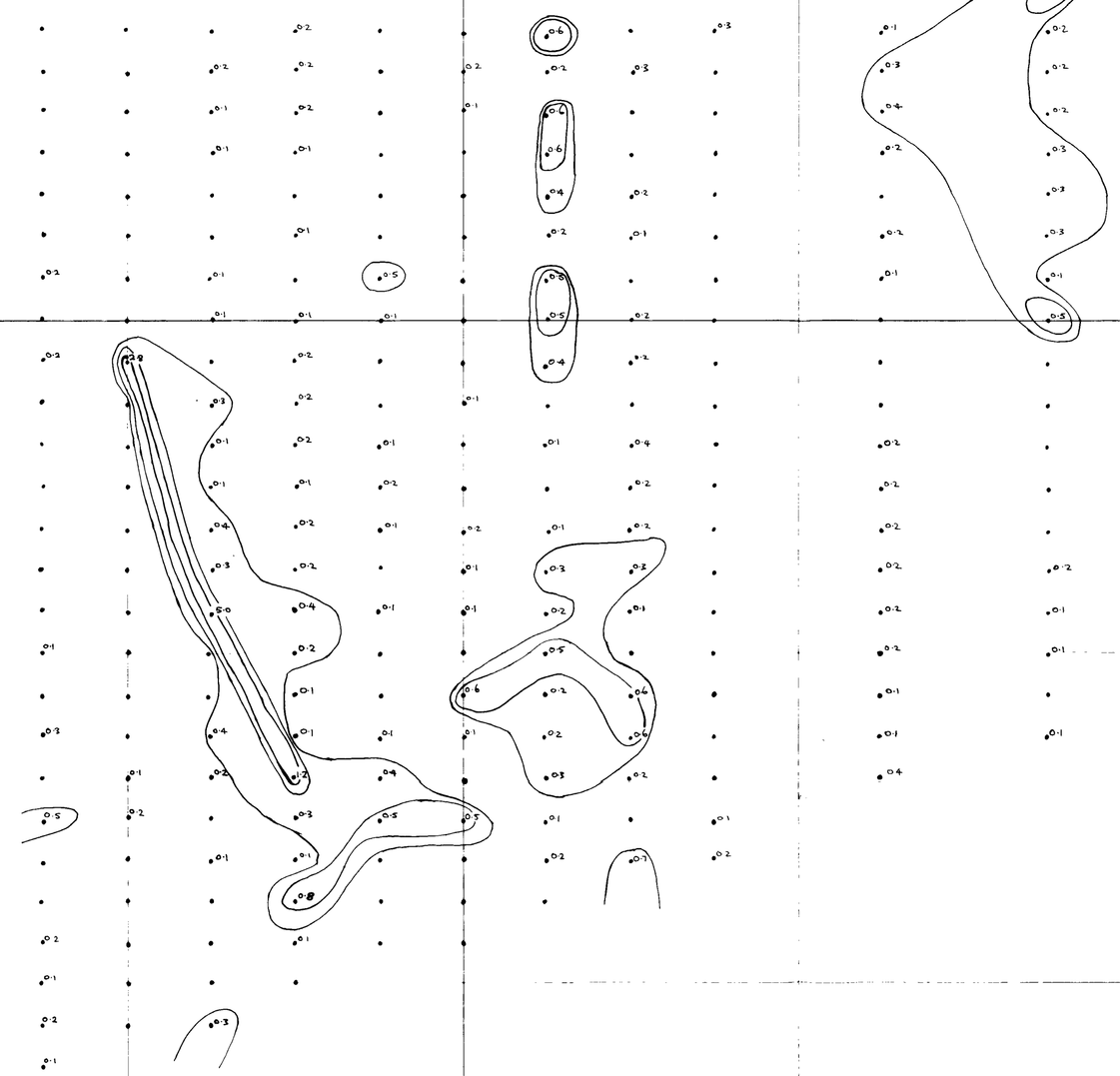
2800 N

2000 N

1200 N

400 N

10 000 E | 10 800 E | 11 600 E | 12 400 E | 13 200 E | 14 000 E | 14 800 E | 15 600 E | 16 400 E | 17 200 E



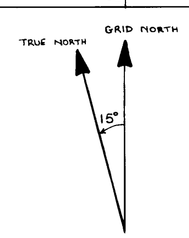
CONTOUR INTERVALS

> 1·0 ppb Au

0·5 — 1·0 ppb Au

0·3 — 0·5 ppb Au

< 0·3 ppb Au



METRES 0 100 200 300 400 500 600 800 1000

SCALE 1:10,000

6823-10

TARCOOLA GOLD LTD.

MUCKANIPPIE E.L.1375

REGIONAL SOIL SAMPLING

CONTOURED ASSAY DATA

GEOLOGIST: T. ELBERG	DATE: 18/4/88	REVISION:
SCALE: 1:10,000	DRAWN: A.P.R.	PLAN No. 5

A P P E N D I X 1

GOLD ASSAYS

BY COMLABS JOB NO. 873647

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

NATA REGISTERED No. 1526

OUR REF. COM 873647

YOUR REF Order No. 1016

RECEIVED
30 DEC 1987
Ans'd.....

Mr. T. Rovira,
Tarcoola Gold,
68 North Terrace,
KENT TOWN. S.A. 5071.

28th December, 1987

Dear Tony,

RE: JOB COM 873647

Enclosed are the assays for the samples delivered to our laboratory on the 18th December, 1987.

Yours sincerely,
COMLABS SERVICES PTY LTD

per

c.c: Tarcoola - Kent Town

Report Length : 10 Pages

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CLASSIC COMLABS LIMITED

Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L0-01	<0.01	<0.01	<0.01	--
L0-02	<0.01	--	--	--
L0-03	<0.01	--	--	--
L0-04	<0.01	--	--	--
L0-05	<0.01	--	--	--
L0-06	<0.01	--	--	--
L0-07	<0.01	<0.01	<0.01	--
L0-08	<0.01	--	--	--
L0-09	<0.01	--	--	--
L0-10	<0.01	<0.01	<0.01	--
L0-11	<0.01	<0.01	<0.01	--
L0-12	<0.01	--	--	--
L0-13	<0.01	--	--	--
L0-14	<0.01	--	--	--
L0-15	<0.01	<0.01	<0.01	--
L0-16	0.08	--	--	--
L0-17	<0.01	--	--	--
L0-18	<0.01	--	--	--
L0-19	<0.01	--	--	--
L0-20	0.01	--	--	--
L0-21	<0.01	<0.01	0.01	<0.01
L0-22	<0.01	--	--	--
L0-23	<0.01	--	--	--
L0-24	<0.01	--	--	--
L0-25	0.01	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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CLASSIC COMLABS LIMITED

Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L0-26	0.01	--	--	--
L0-27	<0.01	<0.01	<0.01	--
L0-28	<0.01	--	--	--
L0-29	<0.01	--	--	--
L0-30	<0.01	--	--	--
L0-31	<0.01	<0.01	<0.01	--
L0-32	<0.01	--	--	--
L0-33	<0.01	--	--	--
L0-34	<0.01	--	--	--
L0-35	<0.01	--	--	--
L0-36	<0.01	0.01	<0.01	--
L0-37	<0.01	--	--	--
L0-38	<0.01	--	--	--
L0-39	<0.01	--	--	--
L0-40	<0.01	<0.01	<0.01	--
L0-41	<0.01	<0.01	<0.01	--
L0-42	<0.01	--	--	--
L0-43	<0.01	--	--	--
L0-44	<0.01	--	--	--
L0-45	<0.01	--	--	--
L0-46	<0.01	--	--	--
L0-47	<0.01	--	--	--
L0-48	<0.01	<0.01	<0.01	--
L0-49	<0.01	--	--	--
L0-50	0.01	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

0214
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Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L0-51	<0.01	<0.01	<0.01	--
L0-52	0.18	--	--	--
L0-53	<0.01	--	--	--
L0-54	<0.01	0.01	<0.01	--
L0-55	<0.01	--	--	--
L0-56	<0.01	--	--	--
L0-57	<0.01	--	--	--
L0-58	<0.01	--	--	--
L0-59	<0.01	--	--	--
L1-01	<0.01	--	--	--
L1-02	<0.01	<0.01	<0.01	--
L1-03	<0.01	--	--	--
L1-04	<0.01	--	--	--
L1-05	<0.01	--	--	--
L1-06	<0.01	--	--	--
L1-07	<0.01	<0.01	<0.01	--
L1-08	0.01	--	--	--
L1-09	0.04	--	--	--
L1-10	0.03	--	--	--
L1-11	0.03	--	--	--
L1-12	0.03	--	--	--
L1-13	0.01	--	--	--
L1-14	0.02	<0.01	0.03	--
L1-15	0.02	--	--	--
L1-16	0.01	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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CLASSIC COMLABS LIMITED

Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L1-17	0.02	--	--	--
L1-18	0.02	--	--	--
L1-19	0.02	--	--	--
L1-20	0.01	--	--	--
L1-21	<0.01	--	--	--
L1-22	0.01	--	--	--
L1-23	0.10	--	--	--
L1-24	0.08	0.06	0.10	--
L1-25	<0.01	--	--	--
L1-26	0.01	--	--	--
L1-27	0.01	--	--	--
L2-01	L.N.R.	--	--	--
L2-02	L.N.R.	--	--	--
L2-03	L.N.R.	--	--	--
L2-04	L.N.R.	--	--	--
L2-05	L.N.R.	--	--	--
L2-06	L.N.R.	--	--	--
L2-07	L.N.R.	--	--	--
L2-08	L.N.R.	--	--	--
L2-09	L.N.R.	--	--	--
L2-10	L.N.R.	--	--	--
L2-11	L.N.R.	--	--	--
L2-12	L.N.R.	--	--	--
L2-13	L.N.R.	--	--	--
L2-14	L.N.R.	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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CLASSIC COMLABS LIMITED

Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L2-15	L.N.R.	--	--	--
L2-16	L.N.R.	--	--	--
L2-17	L.N.R.	--	--	--
L2-18	L.N.R.	--	--	--
L2-19	L.N.R.	--	--	--
L2-20	L.N.R.	--	--	--
L2-21	L.N.R.	--	--	--
L2-22	L.N.R.	--	--	--
L2-23	L.N.R.	--	--	--
L2-24	L.N.R.	--	--	--
L2-25	L.N.R.	--	--	--
L2-26	L.N.R.	--	--	--
L2-27	L.N.R.	--	--	--
L2-28	L.N.R.	--	--	--
L2-29	L.N.R.	--	--	--
L2-30	L.N.R.	--	--	--
L2-31	L.N.R.	--	--	--
L2-32	L.N.R.	--	--	--
L2-33	L.N.R.	--	--	--
L2-34	L.N.R.	--	--	--
L2-35	L.N.R.	--	--	--
L2-36	L.N.R.	--	--	--
L2-37	L.N.R.	--	--	--
L2-38	L.N.R.	--	--	--
L2-39	L.N.R.	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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CLASSIC COMLABS LIMITED

Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L2-40	L.N.R.	--	--	--
L2-41	L.N.R.	--	--	--
L2-42	L.N.R.	--	--	--
L2-43	L.N.R.	--	--	--
L2-44	L.N.R.	--	--	--
L2-45	L.N.R.	--	--	--
L2-46	L.N.R.	--	--	--
L2-47	L.N.R.	--	--	--
L2-48	L.N.R.	--	--	--
L2-49	L.N.R.	--	--	--
L2-50	L.N.R.	--	--	--
L2-51	L.N.R.	--	--	--
L2-52	L.N.R.	--	--	--
L2-53	L.N.R.	--	--	--
L2-54	L.N.R.	--	--	--
L2-55	L.N.R.	--	--	--
L2-56	L.N.R.	--	--	--
L2-57	L.N.R.	--	--	--
L2-58	L.N.R.	--	--	--
L2-59	L.N.R.	--	--	--
L2-60	L.N.R.	--	--	--
L2-61	L.N.R.	--	--	--
L2-62	L.N.R.	--	--	--
L2-63	L.N.R.	--	--	--
L2-64	L.N.R.	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L2-65	L.N.R.	--	--	--
L2-66	L.N.R.	--	--	--
L2-67	L.N.R.	--	--	--
L3-01	0.01	--	--	--
L3-02	0.01	--	--	--
L3-03	<0.01	--	--	--
L3-04	<0.01	--	--	--
L3-05	0.04	0.04	0.04	--
L3-06	<0.01	--	--	--
L3-07	0.12	--	--	--
L3-08	0.12	--	--	--
L3-09	0.03	--	--	--
L3-10	<0.01	--	--	--
L3-11	0.06	--	--	--
L3-12	0.01	0.02	<0.01	--
L3-13	<0.01	--	--	--
L3-14	<0.01	--	--	--
L3-15	0.07	0.04	0.09	--
L3-16	<0.01	--	--	--
L3-17	<0.01	--	--	--
L3-18	<0.01	--	--	--
L3-19	<0.01	--	--	--
L3-20	0.01	--	--	--
L3-21	<0.01	--	--	--
L3-22	<0.01	<0.01	<0.01	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L3-23	0.02	--	--	--
L3-24	<0.01	--	--	--
L4-01	L.N.R.	--	--	--
L4-02	L.N.R.	--	--	--
L4-03	L.N.R.	--	--	--
L4-04	L.N.R.	--	--	--
L4-05	L.N.R.	--	--	--
L4-06	L.N.R.	--	--	--
L4-07	L.N.R.	--	--	--
L4-08	L.N.R.	--	--	--
L4-09	L.N.R.	--	--	--
L4-10	L.N.R.	--	--	--
L4-11	L.N.R.	--	--	--
L4-12	L.N.R.	--	--	--
L4-13	L.N.R.	--	--	--
L4-14	L.N.R.	--	--	--
L4-15	L.N.R.	--	--	--
L4-16	L.N.R.	--	--	--
L4-17	L.N.R.	--	--	--
L4-18	L.N.R.	--	--	--
L4-19	L.N.R.	--	--	--
L4-20	L.N.R.	--	--	--
L4-21	L.N.R.	--	--	--
L4-22	L.N.R.	--	--	--
L4-23	L.N.R.	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L4-24	L.N.R.	--	--	--
L4-25	L.N.R.	--	--	--
L4-26	L.N.R.	--	--	--
L4-27	L.N.R.	--	--	--
L4-28	L.N.R.	--	--	--
L4-29	L.N.R.	--	--	--
L4-30	L.N.R.	--	--	--
L4-31	L.N.R.	--	--	--
L4-32	L.N.R.	--	--	--
L4-33	L.N.R.	--	--	--
L4-34	L.N.R.	--	--	--
L4-35	L.N.R.	--	--	--
L4-36	L.N.R.	--	--	--
L4-37	L.N.R.	--	--	--
L4-38	L.N.R.	--	--	--
L4-39	L.N.R.	--	--	--
L4-40	L.N.R.	--	--	--
L4-41	L.N.R.	--	--	--
L4-42	L.N.R.	--	--	--
L4-43	L.N.R.	--	--	--
L4-44	L.N.R.	--	--	--
L4-45	L.N.R.	--	--	--
L4-46	L.N.R.	--	--	--
L4-47	L.N.R.	--	--	--
L4-48	L.N.R.	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

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Job: COM873647
O/N: 1016

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
L4-49	L.N.R.	--	--	--
L4-50	<0.01	<0.01	<0.01	--
L4-51	<0.01	--	--	--
L4-52	<0.01	--	--	--
L4-53	<0.01	--	--	--
L4-54	<0.01	--	--	--
L4-55	<0.01	<0.01	0.01	--
L4-56	<0.01	--	--	--
L4-57	<0.01	--	--	--
L4-58	<0.01	--	--	--
L4-59	<0.01	--	--	--
L4-60	<0.01	<0.01	<0.01	--
L4-61	<0.01	--	--	--
MAL-050	<0.01	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1

A P P E N D I X 2

GOLD AND INDICATOR ELEMENT ASSAYS BY COMLABS JOB NO. 873756

0223

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

NATA REGISTERED No. 1526

P-27-20

OUR REF: COM 873756

YOUR REF:

RECEIVED
15 JAN 1988
Ans'd.....

Mr. T. Rovira,
Tarcoola Gold Limited,
68 North Terrace,
KENT TOWN. S.A 5725.

14th January, 1988

Dear Tony,

RE: JOB COM 873756

Enclosed are the assays for the samples delivered to our laboratory on the 30th December, 1987.

Yours sincerely,
COMLABS SERVICES PTY LTD

per :

c.c.: Tarcoola Gold .

Report Length : 10 Pages

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn
L2-001	0.01	0.01	0.01	0.01	30	26	24
L2-002	0.01	--	--	--	42	16	24
L2-003	0.01	--	--	--	22	26	15
L2-004	0.02	--	--	--	36	22	22
L2-005	0.02	0.03	0.01	--	18	22	20
L2-006	0.02	--	--	--	19	20	24
L2-007	0.02	--	--	--	22	18	28
L2-008	0.02	--	--	--	15	24	22
L2-009	0.02	--	--	--	18	20	26
L2-010	0.03	--	--	--	18	20	32
L2-011	0.01	0.02	0.02	<0.01	14	26	24
L2-012	0.02	--	--	--	18	22	32
L2-013	0.03	--	--	--	14	20	26
L2-014	0.03	--	--	--	16	24	24
L2-015	0.02	--	--	--	14	20	34
L2-016	0.02	--	--	--	10	18	30
L2-017	0.02	0.03	0.01	--	16	22	30
L2-018	0.02	--	--	--	19	46	30
L2-019	0.03	--	--	--	64	18	32
L2-020	0.03	--	--	--	18	28	34
L2-021	0.02	0.02	0.01	--	22	30	46
L2-022	0.04	--	--	--	22	22	62
L2-023	0.01	--	--	--	20	26	40
L2-024	0.04	0.04	0.04	--	34	38	60
L2-025	0.01	--	--	--	13	20	28
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS1	AAS1

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CLASSIC COMLABS LIMITED

Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn
L2-026	0.03	--	--	--	17	24	30
L2-027	0.03	--	--	--	15	18	50
L2-028	0.03	--	--	--	26	22	36
L2-029	0.01	--	--	--	13	18	30
L2-030	0.80	0.72	0.86	--	50	30	66
L2-031	1.44	1.18	1.70	--	240	30	185
L2-032	3.3	1.22	5.4	--	180	84	180
L2-033	0.11	0.10	0.11	--	26	20	36
L2-034	0.02	--	--	--	20	22	56
L2-035	0.03	0.02	0.04	--	14	18	48
L2-036	0.04	--	--	--	17	36	32
L2-037	0.02	--	--	--	19	20	22
L2-038	0.01	--	--	--	9	14	18
L2-039	0.01	--	--	--	12	18	24
L2-040	0.02	0.01	0.03	--	18	20	34
L2-041	0.02	0.02	0.02	--	19	20	34
L2-042	0.02	0.02	0.01	--	40	30	36
L2-043	0.04	--	--	--	19	20	32
L2-044	0.01	--	--	--	20	18	42
L2-045	0.03	0.02	0.03	--	14	24	28
L2-046	0.02	--	--	--	11	20	32
L2-047	0.02	--	--	--	11	14	30
L2-048	0.02	--	--	--	19	28	34
L2-049	0.02	--	--	--	17	16	24
L2-050	0.01	--	--	--	13	22	32
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS1	AAS1

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CLASSIC COMLABS LIMITED

Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn
L2-051	<0.01	0.01	<0.01	--	18	22	36
L2-052	0.01	0.01	0.01	--	20	18	32
L2-053	0.02	--	--	--	17	16	28
L2-054	0.01	--	--	--	18	24	38
L2-055	0.01	--	--	--	20	16	26
L2-056	0.02	0.01	0.01	0.03	11	12	34
L2-057	0.02	--	--	--	26	16	40
L2-058	0.02	--	--	--	62	20	32
L2-059	0.02	--	--	--	17	20	26
L2-060	0.01	--	--	--	24	16	14
L2-061	0.01	0.02	<0.01	--	18	12	12
L2-062	<0.01	<0.01	<0.01	--	22	22	24
L2-063	0.03	--	--	--	90	20	24
L2-064	0.01	--	--	--	80	18	24
L2-065	0.02	0.01	0.02	--	28	24	17
L2-066	0.02	--	--	--	26	22	17
L2-067	0.03	0.02	0.03	--	44	30	36
L4-001	0.02	--	--	--	15	22	17
L4-002	0.02	--	--	--	7	22	12
L4-003	0.02	--	--	--	13	24	24
L4-004	<0.01	0.01	<0.01	--	15	20	24
L4-005	0.02	--	--	--	13	28	17
L4-006	0.02	--	--	--	16	18	22
L4-007	0.01	--	--	--	18	20	24
L4-008	<0.01	0.01	<0.01	--	17	24	28
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS1	AAS1

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn
L4-009	0.01	--	--	--	16	16	28
L4-010	0.01	--	--	--	30	22	76
L4-011	0.02	--	--	--	13	24	24
L4-012	0.01	0.01	0.01	--	32	18	17
L4-013	0.01	--	--	--	11	18	19
L4-014	<0.01	0.01	<0.01	--	12	24	28
L4-015	0.01	--	--	--	9	22	22
L4-016	<0.01	--	--	--	7	16	22
L4-017	0.01	--	--	--	13	22	24
L4-018	0.01	--	--	--	26	18	24
L4-019	0.01	--	--	--	80	22	38
L4-020	<0.01	--	--	--	13	24	20
L4-021	0.03	--	--	--	14	20	26
L4-022	0.01	--	--	--	24	22	30
L4-023	<0.01	0.01	<0.01	--	12	22	20
L4-024	0.02	0.01	0.02	--	20	18	32
L4-025	0.01	--	--	--	22	30	36
L4-026	0.01	--	--	--	16	56	28
L4-027	0.03	--	--	--	22	16	32
L4-028	0.02	0.03	0.01	--	22	12	16
L4-029	0.03	--	--	--	11	20	20
L4-030	0.01	--	--	--	16	16	24
L4-031	<0.01	--	--	--	22	20	34
L4-032	0.02	--	--	--	17	24	26
L4-033	0.01	--	--	--	18	16	26
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS1	AAS1

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn
L4-034	<0.01	<0.01	<0.01	--	30	18	24
L4-035	<0.01	0.01	<0.01	--	26	30	58
L4-036	0.01	--	--	--	30	24	44
L4-037	0.01	--	--	--	24	16	38
L4-038	0.01	--	--	--	16	20	22
L4-039	0.02	--	--	--	64	20	20
L4-040	<0.01	--	--	--	26	22	36
L4-041	0.01	--	--	--	13	28	22
L4-042	0.01	--	--	--	96	24	30
L4-043	0.02	--	--	--	40	18	32
L4-044	<0.01	<0.01	0.01	--	22	18	26
L4-045	<0.01	--	--	--	22	18	46
L4-046	<0.01	0.01	<0.01	--	42	16	46
L4-047	0.01	--	--	--	18	26	28
L4-048	<0.01	--	--	--	20	14	22
L4-049	0.01	--	--	--	62	20	34
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	FAS1	FAS1	FAS1	FAS1	AAS1	AAS1	AAS1

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	As	Sb	Ag
L2-001	<2	6	<1
L2-002	<2	<4	<1
L2-003	3	4	<1
L2-004	<2	4	<1
L2-005	<2	10	<1
L2-006	<2	4	<1
L2-007	<2	4	<1
L2-008	3	6	<1
L2-009	2	6	<1
L2-010	<2	16	<1
L2-011	<2	4	<1
L2-012	<2	<4	<1
L2-013	5	<4	<1
L2-014	7	8	<1
L2-015	6	<4	<1
L2-016	<2	6	<1
L2-017	4	4	<1
L2-018	4	<4	<1
L2-019	4	4	<1
L2-020	2	12	<1
L2-021	4	4	<1
L2-022	<2	4	<1
L2-023	7	14	<1
L2-024	9	4	<1
L2-025	<2	4	<1
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	AAS3

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	As	Sb	Ag
L2-026	2	4	<1
L2-027	<2	4	<1
L2-028	5	8	<1
L2-029	6	10	<1
L2-030	<2	<4	<1
L2-031	<2	<4	<1
L2-032	<2	6	<1
L2-033	<2	8	<1
L2-034	8	<4	<1
L2-035	3	4	<1
L2-036	<2	<4	<1
L2-037	4	<4	<1
L2-038	<2	6	<1
L2-039	15	6	<1
L2-040	<2	<4	<1
L2-041	<2	6	<1
L2-042	<2	10	<1
L2-043	<2	<4	<1
L2-044	4	6	<1
L2-045	<2	<4	<1
L2-046	<2	4	<1
L2-047	4	10	<1
L2-048	8	<4	<1
L2-049	<2	4	<1
L2-050	<2	<4	<1
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	AAS3

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	As	Sb	Ag
L2-051	3	6	<1
L2-052	<2	10	<1
L2-053	4	4	<1
L2-054	2	4	<1
L2-055	<2	6	<1
L2-056	5	8	<1
L2-057	<2	<4	<1
L2-058	5	6	<1
L2-059	5	4	<1
L2-060	2	4	<1
L2-061	<2	4	<1
L2-062	<2	6	<1
L2-063	12	6	<1
L2-064	<2	6	<1
L2-065	7	<4	<1
L2-066	<2	4	<1
L2-067	<2	4	<1
L4-001	<2	<4	<1
L4-002	<2	<4	<1
L4-003	5	6	<1
L4-004	8	4	<1
L4-005	3	<4	<1
L4-006	<2	<4	<1
L4-007	<2	<4	<1
L4-008	<2	6	<1
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	AAS3

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	As	Sb	Ag
L4-009	<2	6	<1
L4-010	<2	10	<1
L4-011	<2	4	<1
L4-012	<2	6	<1
L4-013	<2	4	<1
L4-014	<2	6	<1
L4-015	<2	14	<1
L4-016	<2	6	<1
L4-017	3	8	<1
L4-018	<2	4	<1
L4-019	<2	<4	<1
L4-020	5	4	<1
L4-021	5	4	<1
L4-022	<2	6	<1
L4-023	<2	6	<1
L4-024	<2	4	<1
L4-025	<2	8	<1
L4-026	4	4	<1
L4-027	<2	10	<1
L4-028	4	4	<1
L4-029	12	8	<1
L4-030	<2	8	<1
L4-031	<2	6	<1
L4-032	4	4	<1
L4-033	3	6	<1
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	AAS3

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Job: COM873756
O/N: 3009

ANALYTICAL REPORT

SAMPLE	As	Sb	Ag
L4-034	<2	6	<1
L4-035	28	4	<1
L4-036	7	4	<1
L4-037	6	12	<1
L4-038	7	<4	<1
L4-039	11	<4	<1
L4-040	2	<4	4
L4-041	11	<4	<1
L4-042	9	8	<1
L4-043	<2	<4	<1
L4-044	5	4	<1
L4-045	4	8	<1
L4-046	8	10	<1
L4-047	4	4	<1
L4-048	<2	4	<1
L4-049	<2	12	<1
UNITS	ppm	ppm	ppm
SCHEME	XRF1	XRF1	AAS3

A P P E N D I X 3

GOLD ASSAYS

BY COMLABS JOB NO. 873585

genesio to see D 35-20 0235

COMLABS SERVICES PTY. LTD.

305 South Road, Mile End South, South Australia 5031 Telephone (08) 43 5722 Telex LABCOM AA89323 Facsimile No. (08) 234 0321

NATA REGISTERED No. 1526

OUR REF: COM 873585

YOUR REF: Sheet No. 1109

RECEIVED
22 JAN 1988
Ans'd.....

Mr. G. Circosta,
Tarcoola Gold Ltd.,
P.O. Box 2010.
KENT TOWN. S.A. 5071.

21tn January, 1988

Dear Genesio,

RE: JOB COM 873585

Enclosed are the assays for the samples delivered to our laboratory on the 20th December, 1987.

Yours sincerely,
COMLABS SERVICES PTY LTD

per :

PRGrive

c.c.: Tarcoola Gold Ltd.

Report Length : 16 Pages

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
L1-0	0.2
L1-25	<0.1
L1-50	<0.1
L1-75	<0.1
L1-100	<0.1
L1-150	<0.1
L1-200	<0.1
L1-225	<0.1
L1-250	0.1
L1-300	0.3
L2-0	<0.1
L2-25	<0.1
L2-50	<0.1
L2-75	<0.1
L2-100	<0.1
L2-150	<0.1
L2-200	0.1
L2-225	<0.1
L2-250	0.3
L2-300	<0.1
L3-0	<0.1
L3-25	0.1
L3-50	0.3
L3-75	<0.1
L3-100	0.2
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
L3-150	0.2
L3-200	0.3
L3-225	0.2
L3-250	0.6
L3-300	<0.1
L4-0	0.1
L4-25	0.2
L4-50	<0.1
L4-75	0.1
L4-100	0.1
L4-150	0.2
L4-200	0.3
L4-225	0.4
L4-250	0.8
L4-300	0.1
L5-0	<0.1
L5-25	0.2
L5-50	0.1
L5-75	0.1
L5-100	0.1
L5-150	0.1
L5-200	0.3
L5-225	0.3
L5-250	0.2
L5-300	0.2
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
13800E 1000N	0.1
13800E 1100N	0.2
13800E 1200N	0.1
13800E 1300N	0.2
13800E 1400N	<0.1
13800E 1500N	<0.1
13800E 1600N	0.5
13800E 1700N	<0.1
13800E 1800N	0.3
13800E 1900N	<0.1
13800E 2000N	0.1
13800E 2100N	<0.1
13800E 2200N	<0.1
13800E 2300N	<0.1
13800E 2400N	<0.1
13800E 2500N	<0.1
13800E 2600N	<0.1
13800E 2700N	0.2
13800E 2800N	<0.1
13800E 2900N	0.2
13800E 3000N	<0.1
13800E 3100N	<0.1
13800E 3200N	<0.1
13800E 3300N	<0.1
13800E 3400N	<0.1
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
13800E 3500N	<0.1
14000E 1100N	<0.1
14000E 1200N	<0.1
14000E 1300N	<0.1
14000E 1400N	<0.1
14000E 1500N	<0.1
14000E 1600N	0.2
14000E 1700N	0.1
14000E 1800N	<0.1
14000E 1900N	<0.1
14000E 2000N	<0.1
14000E 2100N	<0.1
14000E 2200N	<0.1
14000E 2300N	<0.1
14000E 2400N	<0.1
14000E 2500N	<0.1
14000E 2600N	<0.1
14000E 2700N	2.8
14000E 2800N	<0.1
14000E 2900N	<0.1
14000E 3000N	<0.1
14000E 3100N	<0.1
14000E 3200N	<0.1
14000E 3300N	<0.1
14000E 3400N	<0.1
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
14000E 3500N	<0.1
14200E 1100N	0.3
14200E 1200N	<0.1
14200E 1300N	<0.1
14200E 1400N	<0.1
14200E 1500N	0.1
14200E 1600N	<0.1
14200E 1700N	0.2
14200E 1800N	0.4
14200E 1900N	<0.1
14200E 2000N	<0.1
14200E 2100N	530
14200E 2200N	0.3
14200E 2300N	0.4
14200E 2400N	0.1
14200E 2500N	0.1
14200E 2600N	0.3
14200E 2700N	<0.1
14200E 2800N	<0.1
14200E 2900N	0.1
14200E 3000N	0.1
14200E 3100N	<0.1
14200E 3200N	0.1
14200E 3300N	0.1
14200E 3400N	0.2
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
14200E 3500N	<0.1
14400E 1200N	0.1
14400E 1300N	0.8
14400E 1400N	0.1
14400E 1500N	0.3
14400E 1600N	[illegible]
14400E 1700N	0.1
14400E 1800N	0.1
14400E 1900N	0.2
14400E 2000N	0.4
14400E 2100N	0.2
14400E 2200N	0.2
14400E 2300N	0.1
14400E 2400N	0.2
14400E 2500N	0.2
14400E 2600N	0.2
14400E 2700N	0.1
14400E 2800N	<0.1
14400E 2900N	0.1
14400E 3000N	<0.1
14400E 3100N	0.1
14400E 3200N	<0.1
14400E 3300N	0.2
14400E 3400N	0.2
14400E 3500N	0.2
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
14600E 1300N	<0.1
14600E 1400N	<0.1
14600E 1500N	<0.1
14600E 1600N	0.5
14600E 1700N	0.4
14600E 1800N	0.1
14600E 1900N	<0.1
14600E 2000N	<0.1
14600E 2100N	0.1
14600E 2200N	<0.1
14600E 2300N	0.1
14600E 2400N	0.2
14600E 2500N	0.1
14600E 2600N	<0.1
14600E 2700N	<0.1
14600E 2800N	0.1
14600E 2900N	0.5
14600E 3000N	<0.1
14600E 3100N	<0.1
14600E 3200N	<0.1
14600E 3300N	<0.1
14600E 3400N	<0.1
14600E 3500N	<0.1
14800E 1300N	<0.1
14800E 1400N	<0.1
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
14800E 1500N	<0.1
14800E 1600N	0.5
14800E 1700N	<0.1
14800E 1800N	0.1
14800E 1900N	0.6
14800E 2000N	<0.1
14800E 2100N	0.1
14800E 2200N	0.1
14800E 2300N	0.2
14800E 2400N	<0.1
14800E 2500N	<0.1
14800E 2600N	0.1
14800E 2700N	<0.1
14800E 2800N	<0.1
14800E 2900N	<0.1
14800E 3000N	<0.1
14800E 3100N	<0.1
14800E 3200N	<0.1
14800E 3300N	0.1
14800E 3400N	0.2
14800E 3500N	<0.1
15000E 1400N	<0.1
15000E 1500N	0.2
15000E 1600N	0.1
15000E 1700N	0.3
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
15000E 1800N	0.2
15000E 1900N	0.2
15000E 2000N	0.5
15000E 2100N	0.2
15000E 2200N	0.3
15000E 2300N	0.1
15000E 2400N	<0.1
1500E 2500(A)	0.1
1500E 2500(B)	0.1
15000E 2600N	<0.1
15000E 2700N	0.4
15000E 2900N	0.5
15000E 3000N	0.2
15000E 3100N	0.4
15000E 3200N	0.6
15000E 3300N	0.6
15000E 3400N	0.2
15000E 3500N	0.6
15200E 1500N	0.7
15200E 1600N	<0.1
15200E 1700N	0.2
15200E 1800N	0.6
15200E 1900N	0.6
15200E 2000N	<0.1
15200E 2100N	0.1
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
15200E 2200N	0.3
15200E 2300N	0.2
15200E 2400N	0.2
15200E 2500N	0.4
15200E 2600N	<0.1
15200E 2700N	0.2
15200E 2800N	0.2
15200E 2900N	<0.1
15200E 3000N	0.1
15200E 3100N	0.2
15200E 3200N	<0.1
15200E 3300N	<0.1
15200E 3400N	0.3
15200E 3500N	<0.1
15400E 1500N	0.5
15400E 1600N	0.4
15400E 1700N	0.2
15400E 1800N	0.1
15400E 1900N	<0.1
15400E 2000N	<0.1
15400E 2100N	<0.1
15400E 2200N	<0.1
15400E 2300N	<0.1
15400E 2400N	<0.1
15400E 2500N	<0.1
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
15400E 2600N	<0.1
15400E 2700N	<0.1
15400E 2800N	<0.1
15400E 2900N	<0.1
15400E 3000N	<0.1
15400E 3100N	<0.1
15400E 3200N	<0.1
15400E 3300N	<0.1
15400E 3400N	<0.1
15400E 3500N	0.3
15400E 3600N	0.1
15400E 3700N	0.1
15800E 1700N	0.4
15800E 1800N	0.1
15800E 1900N	0.1
15800E 2000N	0.1
15800E 2100N	0.1
15800E 2200N	0.2
15800E 2300N	0.2
15800E 2400N	0.2
15800E 2500N	0.2
15800E 2600N	<0.1
15800E 2700N	<0.1
15800E 2800N	<0.1
15800E 2900N	0.1
UNITS	ppb
SCHEME	AAS5D

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CLASSIC COMLABS LIMITED

Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
15800E 3000N	0.2
15800E 3100N	<0.1
15800E 3300N	0.4
15800E 3400N	0.3
15800E 3500N	0.1
15800E 3600N	0.2
15800E 3700N	0.1
16200E 1800N	0.1
16200E 1900N	<0.1
16200E 2000N	0.1
16200E 2100N	0.1
16200E 2200N	0.2
16200E 2300N	<0.1
16200E 2400N	<0.1
16200E 2500N	<0.1
16200E 2600N	<0.1
16200E 2700N	<0.1
16200E 2800N	0.5
16200E 2900N	0.1
16200E 3000N	0.3
16200E 3100N	0.3
16200E 3200N	0.3
16200E 3300N	0.2
16200E 3400N	0.2
16200E 3500N	0.2
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
16200E 3600N	0.7
16200E 3700N	0.1
16200E 3800N	0.1
16600E 1900N	0.1
16600E 2000N	0.1
16600E 2100N	0.1
16600E 2200N	0.1
16600E 2300N	0.1
16600E 2400N	0.2
16600E 2500N	0.1
16600E 2600N	0.2
16600E 2700N	0.2
16600E 2800N	0.2
16600E 2900N	0.2
16600E 3000N	0.2
16600E 3100N	0.2
16600E 3200N	0.2
16600E 3300N	<0.1
16600E 3400N	<0.1
16600E 3500N	<0.1
16600E 3600N	<0.1
16600E 3700N	<0.1
16600E 3800N	<0.1
16600E 3900N	<0.1
16600E 4000N	<0.1
UNITS	ppb
SCHEME	AAS5D

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Job: COM873585
O/N: 1109

ANALYTICAL REPORT

SAMPLE	Au
17000E 2000N	<0.1
17000E 2100N	<0.1
17000E 2200N	<0.1
17000E 2300N	<0.1
17000E 2400N	<0.1
17000E 2500N	<0.1
17000E 2600N	<0.1
17000E 2700N	<0.1
17000E 2800N	<0.1
17000E 2900N	0.1
17000E 3000N	<0.1
17000E 3100N	<0.1
17000E 3200N	<0.1
17000E 3300N	<0.1
17000E 3400N	<0.1
17000E 3500N	<0.1
17000E 3600N	<0.1
17000E 3700N	<0.1
17000E 3800N	<0.1
17000E 3900N	<0.1
17000E 4000N	<0.1
15800E 3800N	0.2
15800E 3200N	0.2
UNITS	ppb
SCHEME	AAS5D

APPENDIX 4

RAB DRILL LOGS

DRILL LOG

0251

COMPANY TARCOOLA GOLD LTD

PROJECT MULKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES L2 - 1600

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK - 01

AZIMUTH -

INCLINATION -

DATE STARTED 15/12/87

DATE COMPLETED 15/12/87

DEPTH 1M

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.1		FE STAINED RED CLAY WITH	.1M	.01			LN2-00
			FRESH DIORITE FRAGS.					
.1	1		FRESH DIORITE	.9M	.01			LN2-00

DRILL LOG

0252

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1550
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-02
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		FRESH DIORITE	1m	.01			GN2-003

DRILL LOG

0253

COMPANY TARCOOLA GOLD LTD

PROJECT MULKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES L2-1500

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-3

AZIMUTH -

INCLINATION -

DATE STARTED 15/12/87

DATE COMPLETED 15/12/87

DEPTH 2m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		SANDY RED, FE STAINED					
			CLAY, CHERTY IN PLACES					
1	2		FRESH DIORITE	2	.02			L-2-06

DRILL LOG

0254

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 -1450
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. Mk-4
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 17m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		RED SANDY CLAY COVER		.02			LN2-05
1	2		TAN CLAY RICH WEATHERED DIORITE. CHLORITY IN PLACES. VISIBLE WHITE MAFIC CLAYS					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8							
8	9			15m				LN2-06
9	10							
10	11							
11	12		↓					
12	13		GREY/OLIVE WEATHERED DIORITE WITH SOME FRESH DIORITE FRAGS - WHITE CLAYS STILL PRESENT					
13	14							
14	15		AS ABOVE WITH 10% MILKY VEIN QTZ					
15	16							
16	17		FRESH DIORITE		.02			LN2-07

DRILL LOG 0255

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1400
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-5
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		SANDY CLAY COVER	1	.02			L2-008
1	2		TAN/BROWN CLAY RICH					
			WEATHERED DIORITE					
2	3							
3	4			5	.02			L2-009
4	5							
5	6		↓					
6	7		FRESH DIORITE	1	.03			L2-010

DRILL LOG

0256

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 -1350
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-6
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		RED SANDY CLAY CAVE WITH CALCRETE NODULES	1	.01			L2-011
1	2		TAN BROWN CLAY RICH WEATHERED DIORITE, FE STAINED					
2	3		↓	5	.02			L2-012
3	4							
4	5							
5	6		↓					
6	7		FRESH DIORITE	1	.03			L2-013

DRILL LOG 0257

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 -1330
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-7
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 10 M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		FE RICH SANDY CLAY COVER	1	.03			L2-014
1	2		REDIGNEY WEATH DIORITE					
2	3							
3	4							
4	5							
5	6			8	.02			L2-015
6	7							
7	8		↓					
8	9		FRESH DIORITE					
9	10		↓	1	.02			L2-016

DRILL LOG 0258

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MAGBOOMA MINE GRID
CO-ORDINATES L2 - 1310
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 8
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	1		SANDY CLAY COVER	1	.02			L2-017
1	2		ORANGE/GREY CLAY RICH	1				
			WEATHERED DIORITE					
2	3		↓	1				
3	4		↓	1				
4	5		MINOR FRESH DIORITE FRAGMENTS	1	.02			L2-018
			STILL MAJORITY WEATHERED					
5	6		↓	1				
6	7		FRESH DIORITE	1				
7	8		↓	1				
8	9		↓	1	.03			L2-019

DRILL LOG 0259

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L-1290
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-9
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 7m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5m	.03			L2-020
.5	1		TAN WEATHERED DIORITE					
1	2							
2	3							
3	4			5-5	.02			L2-021
4	5							
5	6		↓					
6	7		FRESH DIORITE		.04			L2-022

DRILL LOG

0260

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES La-1270
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-10
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5m	.01			La-023
.5	2		LIME TO PINK CLAY, 10% VEIN QTZ WITH CLAY FRAGS. POSSIB WEATHERED GRANITE					
1	2		↓					
2	3		↓	7.5	.04			La-024
3	4		NO VEIN QTZ.					
4	5							
5	6							
6	7							
7	8		↓					
8	9		FRESH DIORITE	1	.01			La-025

DRILL LOG

0261

COMPANY TARCOOLA GOLD LTD — HOLE NO. Mk-11

PROJECT MUCKANIPPIE — AZIMUTH -

LOCATION MAGBOOMA MINE GRID — INCLINATION -

CO-ORDINATES La-1250 — DATE STARTED 15/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 15/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 17m

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	Au			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.03			42-026
.5	1		KHAKI TAN CLAY WEATH GRANITE, MICA IN ALTERED FELDSPAR, MED G/S					
1	2		↓					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓	15.5	.03			42-027
8	9		CREAM YELLOW KAOLIN WITH FRAGS OF BIOTITE G/S DECREASE STILL WEATHERED GRANITE					
9	10		↓					
10	11							
11	12		↓					
12	13		FRESH DIORITE					
13	14		↓					
14	15							
15	16							
16	17		↓	1	.03			42-028

DRILL LOG 0262

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1230
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-12
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 36 m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG
HAMMER 34-36 (SLOW DRILLING)

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AJ			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	-01			L2-029
-5	1		FERRUGINOUS + CLAY					
1	2		LIGHT CREAM CLAY, CHERTY IN PLACES. ALTD DENSITY POSSIBLY GRANITE. MINOR FE STAINING					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8							
8	9							
9	10							
10	11							
11	12							
12	13							
13	14							
14	15			28-5	.8			L2-030
15	16		↓					
16	17		AS ABOVE, INTRUSIVE BIOTITE AND MINOR LATILE QUARTZ					
17	18							
18	19							
19	20							
20	21							
21	22							
22	23							
23	24							
24	25							
25	26		↓					

DRILL LOG (Follow Sheet) HOLE No. MK-12
0263

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
26	27		GREY BROWN CLAY RICH WEATHERED DIORITE. MINOR VEIN QTZ AND PYRITE					
27	29		↓					
28	29		↓					
29	30		DIORITE INCREASING FRESHNESS INCREASING QTZ AND PYRITE					
30	31		↓					
31	32		↓					
32	33		↓					
33	34		DECREASING QUARTZ, FRESH DIORITE	4	1.4k			L2 031
34	35		↓					
35	36		↓	2	3.3			L2 032

DRILL LOG 0264

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1210
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-13
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		CLAY/SAND COVER	-5	-11			L2-033
.5	1		LIGHT CREAM CLAY WITH					
			LATILE QUARTZ RICH IN					
			FELDSPAR WEATHERED					
			GRANITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		SLIGHTLY ALTERED DIORITE	16-5	-02			L2-034
			WITH FRESH FRAGS					
9	10							
10	11							
11	12		↓					
12	13		FRESH DIORITE FRAGS					
13	14							
14	15							
15	16							
16	17							
17	18		↓	1	-03			L2-035

DRILL LOG

0265

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 1190
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-14
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 11
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	Au			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	.04			L2 036
-5	1		LIGHT PINK CLAY RICH IN	-5				
			MUSCOVITE AND FE-SIL					
			CLAYS ACID DYKE					
1	2							
2	3							
3	4			3-5	.02			L2-037
4	5							
5	6							
6	7							
7	8		↓					
8	9		GREY OLIVE FRESH	1	.01			L2 038
			DUNITE					

DRILL LOG 0266

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2-1170
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-15
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 25m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.01			L2-039
.5	1		WEATHERED GRANITE, HARD,					
			MICA, MAIN FELSIC CLAYS					
			CREAM/PINK					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		TAN WEATHERED IDUNITE,					
			CLAY RICH					
5	6		↓					
6	7		↓					
7	8		↓					
8	9		↓					
9	10		SLIGHT INC IN FRESH FRAGS					
10	11		↓	23-5	.02			L2-040
11	12		↓					
12	13		TRACE VEIN QUARTZ					
13	14		↓					
14	15		NO QUARTZ					
15	16		↓					
16	17		↓					
17	18		↓					
18	19		GRAY GREEN MODERATE					
			GRAIN SIZE PLAGIOCLASE					
			RICH ACID ROCK POSSIB					
			GRANODIORITE					
19	20		AS ABOVE VERY SILICEOUS					
			WITH MICA + PYRITE					
20	21		↓					
21	22		↓					

DRILL LOG (Follow Sheet)

HOLE No. MK-15
0267

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
22	23		VERY SILICEOUS FRESH					
			DIORITE. NO FREE QUARTZ					
23	24		↓					
24	25		↓	1	.02			L-2041

DRILL LOG

0268

COMPANY TANCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 1150
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-16
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 25
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.02			L2-042
.5	1		KAOLINIZED GRANITE; PALE PINK CLAY					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		↓					
5	6		↓					
6	7		PALE KHAKI CLAY WEATHERED DIORITE					
7	8		↓					
8	9		↓					
9	10		↓					
10	11		MINOR VEIN QTZ	2.5	.04			L2-043
11	12		↓					
12	13		↓					
13	14		↓					
14	15		↓					
15	16		↓					
16	17		STILL DIORITE AS ABOVE SLIGHT DARKER TAN GRADUAL INTRODUCTION OF FRESH ROCKS					
17	18		↓					
18	19		↓					
19	20		↓					
20	21		SILICA LAYER					
21	22		↓					
22	23		FRESH DIORITE					
23	24		↓					
24	25		↓	.1	.01			L2-044

DRILL LOG 0269

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-17

PROJECT MULKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES L2-1100 — DATE STARTED 15/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 15/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 16

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	-5m	.03			L2-045
.5	1		WEATHERED GRANITE, FESIC RICH FINE MUSCOVITE (NO FREE QUARTZ)					
1	2		↓					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		DIORITE - MINOR CLAY ALTERATION	15.5	.02			L2-046
9	10		↓					
10	11							
11	12							
12	13		↓					
13	14		FRESH DIORITE					
14	15		↓					
15	16		↓	1	.02			L2-047

DRILL LOG 0270

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 1050
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-18
AZIMUTH -
INCLINATION -
DATE STARTED 11/2/87
DATE COMPLETED 11/2/87
DEPTH 20m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	.02			L2-04
-5	1		PREDOMINANT GRANITE BUT					
			MINOR DIORITE FRAGS					
			(GRANITE DYKE)					
1	2		↓					
2	3							
3	4		↓					
4	5		CLAY ALTERED DIORITE					
5	6							
6	7							
7	8							
8	9							
9	10		↓	19-5	.02			L2-049
10	11		MINOR VEIN QUARTZ					
11	12		↓					
12	13		NO VEIN QUARTZ BUT VERY					
			SILICEOUS					
13	14		↓					
14	15							
15	16		↓					
16	17		LO SILICA TAN CLAY					
			HIGH WEATHERED DIORITE					
17	18		↓					
18	19		FRESH DIORITE					
19	20		↓		.01			L2-05

DRILL LOG

0271

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 1000
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-19
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 15m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED SANDY CLAY	.5	<.01			L2-051
.5	1		TAN CLAY, CHERTY IN PLACES WEATHERED DIORITE					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		VERY WEATHERED CLAY RICH OLIVE GREEN DIORITE					
5	6		↓					
6	7		↓					
7	8		↓					
8	9		REL FRESH DIORITE, SOME CLAY ALTERATION ALONG FRACTURE PLANES. FRAGMENTS ARE LARGE AND BLOCKY	7.4-5	.01			L2-052
9	10							
10	11		FRAGMENTS SMALLER BUT FRESH					
11	12		↓					
12	13		↓					
13	14		↓					
14	15		↓		.02			L2 053

DRILL LOG 0272

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 950
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 20
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 21m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SURFACE QUARTZ FLOAT	.5	.01			L2-05
			WITH SANDY CLAY					
.5	1		↓					
1	2		↓					
2	3		MODERATELY FRESH DIORITE					
3	4		↓					
5	6		INC IN CLAY					
6	7		↓					
7	8		↓	12.5	.01			L2-055
8	9		SLIGHTLY FRESHER					
9	10							
10	11							
11	12							
12	13							
13	14		↓					
14	15		ABUNDANT MASSIVE VEIN	3	.02			L2-056
			QTZ 60% ARGENS					
			BANDING BUT IS MILKY.					
15	16		↓					
16	17		40% VEIN QUARTZ					
17	18			3	.02			L2-057
18	19		↓					
19	20		NO QUARTZ					
20	21		↓	1	.02			L2-058

DRILL LOG 0273

COMPANY TARCOOLA GOLD LTD
PROJECT MUCKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 900
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 21
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 10
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY FE STAINED CLAY	.5	.02			L2 059
.5	1		↓					
1	2		↓					
			TAN / KHAKI CLAY					
			ALTERED DIORITE					
2	3		↓					
3	4		↓	8.5	.01			L2-060
4	5		↓					
5	6		↓					
6	7		FRESH DIORITE					
7	8		↓					
8	9		↓					
9	10		↓	1	.01			L2-061

DRILL LOG

0274

COMPANY TARCOOLA GOLD LTD

PROJECT MUCKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES L2-850

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-22

AZIMUTH -

INCLINATION -

DATE STARTED 15/12/87

DATE COMPLETED 15/12/87

DEPTH 12

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		FERRICRETE CAPROCK	.5	<.01			L2-062
.5	1		↓					
1	2		CLAY LAYER SANDY					
			GRIT					
2	3		↓					
3	4		↓					
4	5		FRESH DIORITE WITH 10%	10-5	.03			L2-063
			VEIN QUARTZ					
5	6		↓					
6	7		↓					
7	8		NO QUARTZ					
8	9		↓					
9	10		↓					
10	11		↓					
11	12		↓	1	.01			L2-064

DRILL LOG 0275

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L2 - 800
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-23
AZIMUTH -
INCLINATION -
DATE STARTED 15/12/87
DATE COMPLETED 15/12/87
DEPTH 8m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	Au			SAMPLE No.
0	-5		SILCRETE + SANDY CLAY	-5	.02			L2-066
			COVER					
-5	1							
1	2							
2	3							
3	4		↓					
4	5		VERY WEATHERED DIORITE					
5	6		↓	5-5	.02			L2-066
6	7		FRESH DIORITE	1	.03			L2-06

DRILL LOG 0276

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1500
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-24
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 3
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.02			L4-001
.5	1		FRESH DIORITE					
1	2		↓					
2	3		↓	2.5	.02			L4-00

DRILL LOG 0277

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1450
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-25
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 4m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.02			L4-00
.5	1		FRESH DIORITE					
1	2							
2	3							
3	4		↓	3-5	<.01			L4-004

DRILL LOG 0278

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1400
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-26
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER.	-5	.02			L4-005
.5	1		LIGHT GREY BROWN CLAY RICH					
			WEATH DIORITE, MINOR FRESH					
			FRAGS					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		↓					
5	6		INC IN FRESH DIORITE, STILL SOME	5-12.5	.02			L4-006
			ALTERATION ALONG FRACTURE					
			PLANES					
6	7		↓					
7	8		↓					
8	9		↓					
9	10		FRESH DIORITE					
10	11		↓					
11	12		↓					
12	13		↓		.02			L4-006
13	14		↓	1	.01			L4-007

DRILL LOG 0279

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4-1350
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-27
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 9m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			L4-008
.5	1		TAN, KHAKI CLAY WEATH MEDIUM G.P.N. DIORITE					
1	2		AVB					
2	3		AVB					
3	4		↓	7.5	.01			L4-009
4	5		FRESH DIORITE					
5	6		"					
6	7		"					
7	8							
8	9		↓	1	.01			L4-010
				=				

DRILL LOG 0280

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4 - 1300
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 28
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 9
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		CANCY FE RICH CLAY	-5	.02			L4-011
-5	1		TAN LIGHT WEATH					
			CLAY RICH DIORITE					
1	2							
2	3							
3	4							
4	5			7-5	.01			L4-012
5	6							
6	7		↓					
7	4		FAIR DIORITE SLIGHTLY					
			FRACTURED					
8	9		SLIGHT-FRACT	=1	.01			L4-013

DRILL LOG

0281

COMPANY TARCCOLA GOLD LTD
PROJECT MULLANIPPIE
LOCATION MALOOMA MINE AREA
CO-ORDINATES L4 1250
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. ML-29
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 12
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY LOAM	.5	<.01			L4-01
.5	1		TAN CLAY LOAM ALLUVIUM					
			WEATHERED DIORITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7		FOL FRESH FAINT WITH	10-5	-01			L4-015
			CLAY ALTERATION ALONG					
			FAULTING					
7	8							
8	9							
9	10		FRESH DIORITE					
10	11							
11	12				<.01			L4-05

DRILL LOG 0282

COMPANY TARGOLA GOLD LTD
PROJECT MICHAILIPPIE
LOCATION MAGISOOMA MINE GRID
CO-ORDINATES L4-1230
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-30
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 24m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.01			L4-017
.5	1		SLIGHTLY GRANITIC PINK/					
			GREY POSSIBLY GRANITE					
			DYKE BUT PREDOMINANTLY					
			DIORITE					
1	2							
2	3							
3	4							
4	5							
5	6		↓					
6	7		RED CLAY RICH PROBABLY					
			A GRANITE MICA WITE					
			IS ABUNDANT					
7	8							
8	9							
9	10		↓					
10	11		SILICIFIED DIORITE	22.5	.01			L4-018
			CONTAINING FINE GRAINED					
			EPIDOTE ALTERATION					
11	12							
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19		↓ AS ABOVE + RED SILICIUS					
			ENDS - ACIDIC DYKE					
19	20							
20	21		AS ABOVE + MINOR TALC					

DRILL LOG (Follow Sheet) HOLE No. 028

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV
21	22		NO LITHOLOGIC		
22	23		↓		
23	24		↓		.01

DRILL LOG

0284

COMPANY TARGOLA GOLD LTD. HOLE NO. MK-31

PROJECT MUSKANIPPIE AZIMUTH -

LOCATION MAGNOMA MINE GRID INCLINATION -

CO-ORDINATES L4-1210 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 31

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			L4-020
.5	1		PINK WHITE CLAY					
			ALTERED GRANITE MUSCOVITE					
			+ MINOR QUARTZ					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7		SLIGHT INC IN FINE QTZ					
7	8							
8	9							
9	10							
10	11							
11	12							
12	13		MINOR FINE DIORITE					
			FRAGMENTS - SOME EPIDOTE					
			SILICA FINES					
13	14							
14	15							
15	16			29-5	.03			L4-021
16	17							
17	18							
18	19							
19	20							
20	21		SLIGHTLY FRACTURED SILICA					
			RICH AND FRAGMENTED					
			DIORITE					
21	22							
22	23		SUDDEN INC IN EPIDOTE					

DRILL LOG (Follow Sheet) HOLE No. MT-31

0285

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
			ALSO MINOR TALC + SOME					
			VOLCANIC. PANGS					
23	24		↓					
24	25		DECREASE IN VOLCANICS					
			MASSIVITY FRESH SILICIFIED					
			DIORITE WITH MINOR					
			EPIDOTE ALTERATION					
25	26							
26	27		↓					
27	28		FRESH DIORITE NO EPIDOTE					
			~~ALTD.~~ ALTERATION					
28	29							
29	30				.03			LL-02
30	31		↓		.01			LL-02

DRILL LOG

0280

COMPANY TARGOLA GOLD LTD — HOLE NO. MK-32

PROJECT MUSKALIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES L4-1180 — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 30

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED CARBONATE CLAY	.5	<.01			L4-023
.5	1		MED GRAIN, PEG PINK, MAJOR HORNBLENDE NO BIOTITE OTC PRIMARILY GRANITE					
1	2							
2	3							
3	4							
4	5							
5	6		↓					
6	7		TAN CLAY RICH WITH BIOTITE MINOR FELSIC FRAGS WITH A TALC SHEEN					
7	8							
8	9							
9	10		↓	26-5	.02			L4-024
10	11		MODERATE FELSIC IGNEOUS FRAGS WITH MAJOR CLAY ALTERATION					
11	12							
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							
20	21							
21	22		↓					

DRILL LOG (Follow Sheet)

HOLE No. 32
0287

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
22	23		SLIGHT INCREASE IN					
			CLAY WEATHERING					
23	24		↓					
24	25		↓					
25	26		FRESH DIORITE					
26	27		↓					
27	28		↓					
28	29		↓					
29	30		↓	1	.01			4-025

DRILL LOG

0288

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-33

PROJECT MULKARIPPIE — AZIMUTH -

LOCATION MAGOOMA MINE GRID — INCLINATION -

CO-ORDINATES L4-1200 — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 39

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLAB'S

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY FE STAINED CLAY	-5	.01			L4-026
.5	1		CLAY WEATHERED GRANITE					
			PINK/LINEAR WITH					
			MICROCLINE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7		SILICIFIED LAYER OF					
			FRACTURED GRANITE					
7	8							
8	9							
9	10							
10	11		WEATHERED DIORITE WITH					
			MINOR PINK FELSH PHASE					
11	12		↓					
12	13		AS ABOVE WITH MUSCOVITE					
			SILICIFIED GRANITE FRAGMENTS					
13	14							
14	15							
15	16		↓					
16	17		CLAY ALTERED DIORITE	36-5	.03			L4-027
			WITH SOME FRESH					
			FRAGMENTS					
17	18							
18	19							
19	20		↓					
20	21		AS ABOVE WITH SOME					
			FE STAINING AND TALC					

DRILL LOG (Follow Sheet) HOLE No. MA-33

0289

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
21	22							
22	23							
23	24							
24	25							
25	26							
26	27							
27	28		↓					
28	29		FRESH + ACID IDYLE					
			FRAGS.					
29	30		↓					
30	31		↓					
31	32		↓					
32	33		LARGE INCREASE IN					
			SILICIFIED FRAGMENTS					
			GREY/PURPLE FINE TO					
			MEDIUM GRAINED NO					
			ROCK TEXTURE					
33	34		↓					
34	35		↓					
35	36		↓					
36	37		DIORITE WITH MINOR					
			COARSE QUARTZ VEINING					
			ALONG FRACTURE PLANES					
37	38		↓	1	.02			LL-028

DRILL LOG

0290

COMPANY TANCOLA GOLD LTD.
PROJECT MULKAMAPPIE
LOCATION MALIGOMA MINE GRID
CO-ORDINATES L4 1150
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-34
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No
0	.5		SANDY FE STAINED CLAY	.5	.03			L4-029
			CAVE					
.5	1		TAN CLAY ALTERED					
			DIORITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7		FRESH DIORITE FRACTURED					
			BUT STILL HAS MINERAL					
			CLAY ALTERATIONS					
7	8							
8	9			15-5	.01			L4-030
9	10							
10	11							
11	12							
12	13		FRESH DIORITE W/					
			MINOR VEIN QTZ					
13	14							
14	15							
15	16							
16	17							
17	18			2	<.01			L4-031

0291

DRILL LOG

COMPANY TARGOLA GOLD LTD. HOLE NO. MK-35

PROJECT MUSKANIPPIE AZIMUTH -

LOCATION MAGBOOMA MINE GRID INCLINATION -

CO-ORDINATES L 1100 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 15m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLAB

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY FE STAINED CLAY	-5	.02			L4-031
			LOWER-					
-5	1		FE STAINED FRACTURED					
			WEATHERED DIORITE, CLAY					
			DIRT IRON STAIN MINERAL					
			CLAY ALTERATION					
1	2		↓					
2	3		CLAY ALTERED DIORITE					
			AS ABOVE FRACTURED					
			TANK					
3	4		↓					
4	5		FRESH MINOR CLAY	13-15	.01			L4-033
			DEVELOPED					
5	6		↓					
6	7		SILICIFIED DIORITE					
7	8		↓					
8	9		FRESH DIORITE					
9	10							
10	11							
10	12							
12	13							
13	14							
14	15		↓	14-15	<.01			L4-034

DRILL LOG 0292

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-36

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MAGOOMA MINE GRID INCLINATION -

CO-ORDINATES L4 - 1050 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 11m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	<.01			L4-035
-5	1		PINK GREY WEATHERED GRANITE					
1	2		↓					
2	3		↓					
3	4		MINOR VEIN QTZ					
4	5							
5	6		NO QTZ	9-5	-01			L4-036
6	7		↓					
7	8		↓					
8	9		SUDDEN CHANGE TO FRESH DIORITE					
				=				
9	10		↓					
10	11		↓	1	.01			L4-037

DRILL LOG

0293

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-37

PROJECT MULKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES L4-1000 — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 9m

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND — | | |

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.01			L4-038
.5	1		WEATHERED GRANITE, MICH MUSCOVITE FRAGMENTS, MINOR QUARTZ					
1	2		↓					
2	3		CREAM GREEN KAOLIN WITH DIORITE FRAGMENTS	7.5	.02			L4-039
3	4							
4	5							
5	6							
6	7							
7	8		SILCRETE					
8	9		FRESH DIORITE	1	<.01			L4-040

DRILL LOG

0294

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4- 950
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-38
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 16
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	.01			L4-041
.5	1		KHAKI CLAY WEATHERED					
			DIORITE					
1	2							
2	3							
3	4							
4	5							
5	6		↓					
6	7		FRESH DIORITE	14.5	.01			L4-042
7	8							
8	9							
9	10							
10	11							
11	12							
12	13							
13	14							
14	15							
15	16		↓	1	.02			L4-04

DRILL LOG

0295

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-39

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L4-900 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 18M

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		RED FERRUGINOUS	-5	<·01			L4-044
-5	1		VERY CLAY WEATHERED					
			MEDIUM GRAINED DIORITE					
1	2		↓					
2	3		FRESH DIORITE					
3	4							
4	5							
5	6							
6	7							
7	8							
8	9			15-5	<·01			L4-045
9	10		↓					
10	11		FRACTURED FRESH DIORITE					
11	12							
12	13							
13	14		↓					
14	15		FRESH DIORITE					
15	16							
16	17							
17	18		↓	2	<·01			L4-04

DRILL LOG 0296

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-40

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L4-850 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 17m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY	.5	.01			L4-047
.5	1		PINK GREY WEATHERED					
			GRANITE FRAGMENTS WITH					
			DIORITE AS WELL. SUGGESTS					
			GRADUAL CONTACT					
1	2							
2	3							
3	4							
4	5							
5	6		↓					
6	7		STILL SOME WEATHERING	15.5	K.01			L4-048
			MAINLY ALONG FRACTURE					
			SURFACES. NO ACID					
			INTRUSIVES					
7	8							
8	9							
9	10							
10	11							
11	12							
12	13							
13	14							
14	15							
15	16		↓					
16	17		FRESH DIORITE	1	.01			L4-049

DRILL LOG

0297

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L4- 800.
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-41
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 29m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	.5	.01			L4-050
.5	1		QTR VEIN IN A WEATHERED GRANITE					
1	2		↓					
2	3		NO VEIN QUARTZ					
3	4							
4	5							
5	6		↓					
6	7		WEATHERED DIORITE KHAKI CLAY WITH ABUNDANT TALC					
7	8							
8	9							
9	10							
10	11							
11	12			27.5	.01			L4051
12	13							
13	14							
14	15		↓					
15	16		NO TALC					
16	17							
17	18							
18	19							
19	20		↓					
20	21		AS ABOVE BUT GRANITIC FRAGMENTS POSSIBLY A DYKE ON A GRADUAL CONTACT					
21	22		↓					
22	23							
23	24							

DRILL LOG (Follow Sheet)

HOLE No. MK-41
0298

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
24	25							
25	26		↓					
26	27		SILICA RICH GRANITE					
27	28		↓					
28	29		AS ABOVE WITH FRESH DIORITE FRAGMENTS	1	.01			L4-052

DRILL LOG

0299

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-42

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L4-750.. DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 17m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			L4-053
.5	1		WEATHERED GRANITE, VERY FELSIC WITH ABUNDANT MUSCOVITE FRAGMENTS					
1	2		↓					
2	3							
3	4							
4	5		SILICA RICH BUT WEATHERED DIORITE					
5	6							
6	7							
7	8		↓	15.5	.01			L4-054
8	9		FRESH DIORITE					
9	10							
10	11							
11	12							
12	13							
13	14							
14	15							
15	16							
16	17		↓	1	.01			L4-055
				—	—			

DRILL LOG 0300

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-43

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 12m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			L4-056
.5	1		FE RICH CALCRETE LAYER	-				
1	2		↓					
2	3							
3	4							
4	5		CLAY WEATHERED DIORITE					
5	6			10.5	.01			L4-057
6	7							
7	8							
8	9		↓					
9	10		FRESH DIORITE					
10	11							
11	12		↓		.01			L4-058

DRILL LOG

0301

COMPANY TARCOOLA GOLD LTD

PROJECT MULKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES 60m N/W of MK41

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-44

AZIMUTH -

INCLINATION -

DATE STARTED 16/12/87

DATE COMPLETED 16/12/87

DEPTH 26m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		CLAY COVER	.5	.01			L4-05
.5	1		FERRICRETE					
1	2		↓					
2	3		WEATHERED GRANITE					
3	4							
4	5							
5	6							
6	7							
7	8							
8	9							
9	10		↓					
10	11		FRAGMENTS OF DIORITE	24-5	.01			L4-06
			CLAY ALTERED ALONG	=				
			FRACTURE PLANES					
11	12							
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							
20	21							
21	22		↓					
22	23		FRESH DIORITE					
23	24							
24	25							
25	26		↓	1	.01			L4 06

DRILL LOG 0302

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-45

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L3-1300 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 7m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			L3-00
.5	1		FERRICRETE					
1	2		↓					
2	3		CLAY ALTERED	.5-5	.01			L3-002
			DIORITE					
3	4		↓					
4	5		FRESH DIORITE					
5	6		↓					
6	7		↓		<.01			L3-00

DRILL LOG

0303

COMPANY TARCOOLA GOLD LTD — HOLE NO. Mk-46

PROJECT MULKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES L3-1280 — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 10 m

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth / Bearing / Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
0	.5		COVER	.5	.01			L3-004
.5	1		CLAY ALTERED DIORITE					
			LIGHT GREY WHITE CLAY					
			WITH FRESH FRAGMENT					
1	2		↓					
2	3							
3	4							
4	5			8-5	.04			L3-005
5	6							
6	7							
7	8		↓					
8	9		FRESH DIORITE					
9	10		↓	=1	<.01			L3-006
				—	—			

DRILL LOG

0304

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-47

PROJECT MULKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 14

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.12			L3-007
.5	1		KHAKI CLAY/SILT WEATHERED DIONITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7			12.5	.12			L3-008
7	8							
8	9							
9	10							
10	11		FRESH DIONITE					
11	12							
12	13							
13	14			1	.03			L3-00

DRILL LOG

0305

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3 1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-48
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 22 M
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			L3-010
.5	1		WEATHERED GRANITE					
1	2							
2	3							
3	4		↓					
4	5		INC IN CLAY CONTENT					
5	6							
6	7							
7	8							
8	9							
9	10		↓					
10	11		AS ABOVE BUT SILICEOUS IN PARTS	20.5	.06			L3-011
11	12		↓					
12	13		TOTALY SILICIFIED GRANITE					
13	14							
14	15							
15	16		↓					
16	17		WEATHERED DIORITE CLAY ALTERED ALONG FRACTURE PLANES					
17	18		↓					
18	19		SILICIFIED LAYER WITH EPIDOTE ALTERATION					
19	20		↓					
20	21		NO EPIDOTE					
21	22		↓	1	.01			L3-012

DRILL LOG

0306

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L3-1220
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-49
AZIMUTH -
INCLINATION -
DATE STARTED 16/12/87
DATE COMPLETED 16/12/87
DEPTH 32m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	-5	<-01			L3-01
-5	1		WEATHERED AND INTRUSIVE (GRANITE) RICH IN FELDSPARS AND MUSCOVITE (AND QUARTZ)					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		CLAY ALTERED DIORITE. KHAKI WITH MINOR FRESH INTAKES					
9	10							
10	11							
11	12							
12	13							
13	14			295	<-01			L3-14
14	15							
15	16		↓					
16	17		INCREASE IN FRESH FRAGMENTS, CLAY ALTERATION ALONG FRACTURE PLANES	—	—			
17	18							
18	19							
19	20		↓					
20	21		CLAY ALTERATION INCREASE DARKER GREY, GRAINSIZE IS SMALL TO FINE					

DRILL LOG (Follow Sheet) HOLE No. 49 0307

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
21	22		↓	↓				
22	23		↓	↓				
23	24		↓					
24	25		AS ABOVE BUT FRESHER FRAGMENTS					
25	26		↓					
26	27		↓					
27	28		↓					
28	29		CLAY WEATHERING INCREASE					
29	30		↓	↓				
30	31		FRESH DIORITE					
31	32		↓	2	-07			L3-15

DRILL LOG

0308

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-50

PROJECT MULKANIPPIÉ — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES L3 - 1200 — DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 12

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY WITH FRAGMENTS OF FERRICRETE	.5	<.01			L3-16
.5	1		↓					
1	2		↓					
2	3		VERY ALTERED ACID INTRUSIVE, KAOLIN RICH, FRAGMENTS WITH BIOTITE PLAGIOCLASE AND MINOR VEIN QUARTZ					
3	4		↓	10.5	<.01			L3-17
4	5		↓					
5	6		↓					
6	7		↓					
7	8		↓					
8	9		↓					
9	10		↓					
10	11		FRESH DIORITE					
11	12		↓	1	<.01			L3-18

DRILL LOG 0309

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-51

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L3 - 1180' DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 14m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED SANDY CLAY	.5	<.01			L3-019
			COVER					
.5	1		CLAY ALTERED GRANITE,					
			MINOR BIOTITE WITH					
			MUSCOVITE					
1	2		↓					
2	3		↓					
3	4		MINOR VEIN QUARTZ					
4	5		↓					
5	6		↓					
6	7		CLAY ALTERED DIORITE	12.5	.01			L3-020
			WITH MINOR FRESH, MED					
			GRAINED FRAGMENTS					
7	8		↓					
8	9		FRESH DIORITE					
9	10		↓					
10	11		↓					
11	12		↓					
12	13		↓					
13	14		↓	1	<.01			L3-021

DRILL LOG 0310

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-52

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L3 - 1160' DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 15m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			L3-022
.5	1		WEATHERED ALTD INTRUSIVE					
			PINK / CREAM RICH IN					
			MUSCOVITE MINOR FACIE					
			DIORITE					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		KHAKI / CREAM CLAY					
			ALTERED DIORITE					
5	6		↓	13-5	.02			L3-023
6	7		↓					
7	8		↓					
8	9		↓					
9	10		↓					
10	11		↓					
11	12		↓					
12	13		MAJOR SILICIFICATION WITH					
			EPIDOTE ALTERATION					
13	14		↓					
14	15		NO EPIDOTE	1	<.01			L3-024

DRILL LOG

0311

COMPANY TARCOOLA GOLD LTD

HOLE NO. Mk-53

PROJECT MULKANIPPIE

AZIMUTH -

LOCATION MALBOOMA MINE GRID

INCLINATION -

CO-ORDINATES Lo-1500

DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG

DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING

DEPTH 10m

EQUIPMENT

DOWN HOLE SURVEYS — Method

PRECOLLAR

Depth	Bearing	Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	RECD	DESCRIPTION	SAMPLE INTERVAL	Au			SAMPLE No.
0	.5		SANDY CLAY COVER	1	<.01			Lo-001
.5	1		WEATHERED GRANITE					
			PINK/GREEN CLAY RICH					
			WITH BIOTITE, MUSCOVITE					
			AND MINOR FINE QUARTZ					
1	2							
2	3			8-5	<.01			Lo-002
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		FRESH DIORITE					
9	10		↓	1	<.01			Lo-003

DRILL LOG 0312

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-54

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo 1450 DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING DEPTH 12m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY RED CLAY	-5	<.01			Lo-001
-5	1		PINK / CREAM CLAY					
			MED WEATHERED GRANITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7		WEATHERED DIORITE, SMALL	10-5	<.01			Lo-005
			CREAM CLAY RICH WITH					
			MINOR FRESH FRAGMENTS					
7	8							
8	9							
9	10							
10	11		FRESH DIORITE					
11	12			1	<.01			Lo-006

DRILL LOG

0313

COMPANY TARCOOLA GOLD LTD

HOLE NO. MK-55

PROJECT MUCKANIPPIE

AZIMUTH -

LOCATION MALBOOMA MINE GRID

INCLINATION -

CO-ORDINATES Lo - 1400

DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG

DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING

DEPTH 16m

EQUIPMENT

DOWN HOLE SURVEYS — Method

PRECOLLAR

Depth	Bearing	Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	-5	<.01			Lo-007
-5	1		SILICIFIED BLOCKS OF					
			FINE GRAINED DIORITE, WITH					
			FE STAINING					
1	2		↓					
2	3							
3	4							
4	5		MAINLY FRESH DIORITE WITH SOME					
			CLAY ALTERATION ALONG					
			FRACTURE PLANES					
5	6			14-5	<.01			Lo-008
6	7							
7	8							
8	9							
9	10		↓					
10	11		ABOVE WITH MINOR VEIN					
			QUARTZ					
11	12							
12	13							
13	14							
14	15		↓		<			
15	16		FRESH DIORITE	1	<.01			Lo-009

DRILL LOG

0314

COMPANY TARCOOLA GOLD LTD

HOLE NO. MK-56

PROJECT MULKANIPPIE

AZIMUTH -

LOCATION MALBOOMA MINE GRID

INCLINATION -

CO-ORDINATES Lo-1350

DATE STARTED 16/12/87

LOGGED BY TREVOR ELBERG

DATE COMPLETED 16/12/87

DRILLED BY THOMPSON DRILLING

DEPTH 11M

EQUIPMENT

DOWN HOLE SURVEYS — Method

PRECOLLAR

Depth	Bearing	Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			Lo-010
.5	1		KHAKI CREAM WEATHERED					
			DIORITE WITH MINOR					
			FRESH FRAGMENTS					
1	2							
2	3							
3	4		↓					
4	5		FRESH DIORITE	9.5	<.01			Lo-011
5	6							
6	7							
7	8							
8	9							
9	10							
10	11		↓	1	<.01			Lo-012

DRILL LOG

0315

COMPANY TARCOOLA GOLD LTD

HOLE NO. MK-57

PROJECT MULKANIPPIE

AZIMUTH -

LOCATION MALBOOMA MINE GRID

INCLINATION -

CO-ORDINATES Lo 13

DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG

DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING

DEPTH 12

EQUIPMENT

DOWN HOLE SURVEYS — Method

PRECOLLAR

Depth	Bearing	Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY FE COVER	-5	<.01			Lo-013
-5	1		FRESH DIORITE ALSO CALCITE					
1	2		↓					
2	3		↓					
3	4		↓					
4	5		AS ABOVE WITH FE					
			STAINING, VERY FRACTURED					
5	6		↓	10.5	<.01			Lo-014
6	7		NO CALCITE					
7	8		↓					
8	9		FRESH DIORITE VERY					
			SILICIFIED WITH EPIDOTE					
			ALTERATION					
9	10		↓					
10	11		↓					
11	12		↓		<.01			Lo-015

DRILL LOG

0310

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES La-1280
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-58
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY	-5	-04			La-016
-5	1		FE STAINED DIORITE					
			MAJOR CLAY ALTERATION					
1	2		↓					
2	3		AS ABOVE NO FE STAIN					
3	4							
4	5							
5	6		↓					
6	7		FRESHER DIORITE, DARK	10-5	<.01			LO-017
			GREY WITH FELSIC LATHS					
7	8		↓					
4	9		FRESH DIORITE					
9	10							
10	11							
11	12		↓	1	<.01			La-018

DRILL LOG 0317

COMPANY TARCOOLA GOLD LTD HOLE NO. Mk-59

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo-1260 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 18m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPL No.
0	-5		RED PALE SANDY CLAY	-5	<.01			Lo-019
-5	1		AS ABOVE WITH SILICEOUS					
			FRAGMENTS					
1	2		AVF					
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		KHAKI CLAY RICH WEATH	16.5	-01			Lo-020
			DIORITE					
9	10							
10	11		VEIN QUARTZ WITH EPIDOTE					
			ALTERED DIORITE					
11	12							
12	13							
13	14							
14	15							
15	16		↓					
16	17		INTENSE SILICIFICATION					
			BUT NO EPIDOTE	1	<.01			Lo-021
17	18		↓	—	—			

DRILL LOG

0318

COMPANY TARCOOLA GOLD LTD

PROJECT MULKANIPPIE

LOCATION MALBOOMA MINE GRID

CO-ORDINATES Lo -1240.

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY GOMLABS

HOLE NO. MK-60

AZIMUTH -

INCLINATION -

DATE STARTED 17/12/87

DATE COMPLETED 17/12/87

DEPTH 18 m

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	<.01			Lo-020
-5	1		WEATHERED GRANITE LAYER	-				
1	2							
2	3							
3	4							
4	5		WEATHERED DIORITE WITH					
			MINOR FRESH FRAGMENTS					
5	6							
6	7							
7	8							
8	9		AS ABOVE WITH FE	16-5	<.01			Lo-23
			STAINING					
9	10							
10	11		FRESH DIORITE					
11	12							
12	13							
13	14							
14	15							
15	16							
16	17							
17	18			1	<.01			Lo-24

DRILL LOG

0319

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-61

PROJECT MUCKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES Lo-1220 — DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 18

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	.01			Lo-25
.5	1		WEATHERED GRANITE WITH					
			SOME FE STAINING					
1	2		↓					
2	3		THIN CLAY RICH WEATHERED					
			DIORITE					
3	4							
4	5							
5	6		↓					
6	7		INCREASE IN FRESH FRAGMENTS	16-5	.01			LO-26
			BLOCKY WITH ALTERATION					
			ALONG FRACTURE PLANES					
7	8							
8	9							
9	10							
10	11							
11	12		↓					
12	13		FRESH DIORITE					
13	14							
14	15							
15	16							
16	17							
17	18		↓	1	EOT			LO-27

DRILL LOG

0320

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-62

PROJECT MULKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES Lo-1200 — DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 23m

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth / Bearing / Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5m	<.01			Lo-28
.5	1		FE STAINED WEATHERED CLAY RICH DIORITE					
1	2		↓					
2	3		WEATHERED DIORITE NO FE STAIN WITH MINOR FRESH FRAGMENTS					
3	4							
4	5							
5	6							
6	7							
7	8							
8	9							
9	10		↓					
10	11		FRESH DARK DIORITE FINE GRAINED WITH MINOR ALTERATION ALONG FRACTURE PLANES	21.5	<.01			Lo-29
11	12							
12	13							
13	14							
14	15							
15	16		↓					
16	17		AS ABOVE WITH MINOR ALO INTRUSIVE FRAGMENTS					
17	18		↓					
18	19		ALO INTRUSIVE FRAGMENTS 40%					
19	20		↓					
20	21		FRESH DIORITE					
21	22		↓					
22	23			1m	<.01			Lo-30

DRILL LOG

0321

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-63

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo -1180. DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 11

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	<.01			Lo-31
-5	1		WEATHERED ACID INTRUSIVE					
1	2		↓					
2	3							
3	4							
4	5		FRESH DIORITE					
5	6			9.5	<.01			Lo-32
6	7							
7	8							
8	9							
9	10							
10	11		↓	1	<.01			Lo-33
				=				

DRILL LOG 0322

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-64

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo 1160 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 11m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			LO-34
.5	1		FRESH DIORITE					
1	2		↓					
2	3							
3	4							
4	5		FRESH DIORITE WITH CHERTY					
			CLAY FRAGMENTS		<.01			LO-35
5	6		↓					
6	7							
7	8							
8	9		SLIGHT EPIDOTE ALTERATION					
9	10		FRESH DIORITE					
10	11		↓	1	<.01			LO-36

DRILL LOG 0323

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-65

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MAGBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo - 1150 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 9m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		COVER	.5	<.01			Lo-37
.5	1		CLAY RICH WEATHERED DIORITE					
1	2							
2	3							
3	4							
4	5			7.5	<.01			Lo-38
5	6							
6	7		AS ABOVE LARGE GRAINSIZE					
			SOME VEIN QUARTZ ALSO					
			VERY SILICEOUS					
7	8							
8	9		FRESH DIORITE		<.01			Lo-39

DRILL LOG

0324

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-66

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo 1100. DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 19m

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		CLAY COVER	-5	<.01			Lo-40
-5	1		FRESH BLOCKS OF					
			DIORITE FE STAINED AND					
			CLAY FILLED ALONG					
			FRACTURE PLANES					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8			17-5	<.01			Lo-41
8	9							
9	10		↓					
10	11		FRESH DIORITE, TRACE					
			VEIN QUARTZ					
11	12							
12	13							
13	14		↓					
14	15		NO QUARTZ					
15	16							
16	17							
17	18							
18	19		↓		<.01			Lo-42

DRILL LOG

0325

COMPANY TARCOOLA GOLD LTD — HOLE NO. MK-67

PROJECT MUCKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES Lo 1050 — DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 16

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	-5	<.01			LO-43
.5	1		WEATHERED GRANITE, CLAY RICH VISIBLE BIOTITE AND MUSCOVITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8		↓					
8	9		FRESH DIORITE WITH MINOR CLAY ALTERATION	14.5	<.01			LO-44
9	10							
10	11							
11	12							
12	13		↓					
13	14		FRESH DIORITE					
14	15							
15	16		↓		<.01			LO 45

DRILL LOG

0326

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-68

PROJECT MUCKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo-1000 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMASON DRILLING DEPTH 12m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		COVER	-5m	<.01			Lo-46
-5	1		WEATHERED DIORITE					
			CLAY RICH, KHAKI COLOUR					
1	2							
2	3							
3	4							
4	5							
5	6		↓	10-5	<.01			Lo-47
6	7		FRESH DIORITE, MED GRAIN					
7	8							
8	9							
9	10							
10	11							
11	12		↓	1	<.01			Lo-48

DRILL LOG

0327

COMPANY TARCOOLA GOLD LTD

HOLE NO. MK-69

PROJECT MULKANIPPIE

AZIMUTH -

LOCATION MALBOOMA MINE GRID

INCLINATION -

CO-ORDINATES Lo -950

DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG

DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING

DEPTH 4m

EQUIPMENT

DOWN HOLE SURVEYS — Method

PRECOLLAR

Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		FRESH DIORITE	-5	<.01			Lo-49
-5	1		↓					
1	2							
2	3							
3	4		↓	3-5	.01			Lo-50

DRILL LOG

0328

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-70

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo-900 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 4m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		WEATHERED GRANITE	.5	<.01			Lo-51
.5	1		↓					
1	2		FRESH DIORITE	.2-5				
2	3		↓		.18			Lo-52
3	4		↓		<.01			Lo-53

DRILL LOG

0329

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-71

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo - 850 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 11

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		FE STAINED SANDY	.5	<.01			Lo-54
			CLAY					
.5	1		KHALI/TAN CLAY MIX					
			WEATHERED DIORITE					
1	2							
2	3							
3	4			9.5	<.01			Lo-55
4	5							
5	6							
6	7							
7	8		↓					
8	9		FRESH DIORITE					
9	10							
10	11		↓	1	<.01			Lo-56

DRILL LOG

0330

COMPANY TARCOOLA GOLD LTD HOLE NO. MK-72

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES Lo-800 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 13m

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

VERY SLOW DRILLING 10-13m USE HAMMER

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		SANDY CLAY COVER	.5	<.01			Lo-57
.5	1		GREEN/GREY, FINE GRAINED CLAY WEATHERED DIONITE					
1	2							
2	3							
3	4							
4	5			11-5	<.01			Lo-58
5	6							
6	7							
7	8							
8	9							
9	10		↓					
10	11		VERY FRESH DIONITE WITH MINOR VEIN QUARTZ					
			↓					
11	12							
12	13		NO VEIN QUARTZ BUT VERY FRESH DIONITE	1	<.01			Lo-59

DRILL LOG 0331

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1300
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-73
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 2m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	.5		FRESH DIORITE	.5	<.01			L1-01
.5	1		↓					
1	2		↓	1-5	<.01			L1-02

DRILL LOG

0332

COMPANY TARCOOLA GOLD LTD

PROJECT MULKANIPPIE

LOCATION MAGBOOMA MINE GRID

CO-ORDINATES L1 -1280

LOGGED BY TREVOR ELBERG

DRILLED BY THOMPSON DRILLING

EQUIPMENT

PRECOLLAR

DIAMOND

CASING

LABORATORY COMLABS

HOLE NO. MK-74

AZIMUTH -

INCLINATION -

DATE STARTED 17/12/87

DATE COMPLETED 17/12/87

DEPTH 4

DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		FRESH DIORITE	.5	<.01			L1-03
-5	1							
1	2							
2	3							
3	4		↓	3-5	<.01			L1-04

DRILL LOG 0333

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 - 1240
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK - 75
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 4m
DOWN HOLE SURVEYS — Method
Depth | Bearing | Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	.5		FRESH DIORITE	.5	<.01			L-05
.5	1							
1	2							
2	3							
3	4		↓	3-5	<.01			L-06

DRILL LOG

0334

COMPANY TARCOOLA GOLD LTD
HOLE NO. MK-76

PROJECT MULKANIPRIÉ
AZIMUTH -

LOCATION MALBOOMA MINE GRID
INCLINATION -

CO-ORDINATES L1-1240
DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG
DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING
DEPTH 20 M

EQUIPMENT
DOWN HOLE SURVEYS — Method

PRECOLLAR
Depth | Bearing | Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG HAMMER 17-20M

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	.5		CLAY COVER	.5	<.01			L-07
.5	1		WEATHERED GRANITE					
			CLAY ALTERED RICH IN					
			MUSCOVITE					
1	2							
2	3							
3	4							
4	5							
5	6		↓					
6	7		WEATHERED DIORITE					
7	8							
8	9							
9	10		↓					
10	11		FRESH DIORITE VERY	18-5	.01			L1-08
			SILICA RICH ALMOST FINE					
			QUARTZ					
11	12							
12	13							
13	14							
14	15							
15	16		↓					
16	17		SILICEOUS DIORITE					
17	18		↓					
18	19		MAJOR VEIN QUARTZ					
19	20		FRESH DIORITE	1	.04			L-09

DRILL LOG 0336

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L -1220
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-77
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 18m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	-5		SANDY CLAY COVER	.5	-03			L1-10
-5	1							
1	2		↓					
2	3		TAN COLOURED CLAY RICH					
			WEATHERED DIORITE					
3	4							
4	5							
5	6							
6	7							
7	8							
8	9			16-5	-03			L1-11
9	10		↓					
10	11		FINE GRAINED DARK GREY					
			DIORITE					
11	12							
12	13							
13	14		↓					
14	15		ALMOST BLACK SILICEOUS					
			DIORITE					
15	16							
16	17							
17	18		↓		-03			L-12

DRILL LOG

0336

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-18

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L1 1200 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 18

EQUIPMENT, DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	.5		SANDY CLAY COVER	.5	.01			L-13
.5	1		GREY BROWN WEATHERED					
			DIORITE CLAY RICH					
			MINOR FELSIC LATHES					
1	2							
2	3							
3	4		↓					
4	5		SLIGHT INCREASE IN FRESH					
			DIORITE FRAGMENTS					
5	6							
6	7							
7	8							
8	9			16.5	.02			L1-14
9	10							
10	11							
11	12		↓					
12	13		FRESH GREY DIORITE					
			FRAGMENTS MEDIUM					
			GRAIN SIZE WITH MINOR					
			CLAY ALTERATION ALONG					
			FRACTURE PLANES					
13	14							
14	15		↓					
15	16		NO CLAY ALTERATION					
16	17							
17	18		↓		.02			L1-15

DRILL LOG 0337

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-79
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	Au			SAMP No.
0	-5		SANDY CLAY COVER	-5	-01			L1-16
-5	1		↓					
1	2		↓					
2	3		DARK GREY VERY FINE					
			GRAINED, FRESH BUT					
			FRACTURED DIORITE					
3	4							
4	5							
5	6			12-5	-02			L1-17
6	7							
7	8							
8	9		↓					
9	10		VERY SILICEOUS					
10	11							
11	12							
12	13							L
13	14		↓	1	-02			L-18
				—	—			

DRILL LOG

0336

COMPANY TARCOOLA GOLD LTD. HOLE NO. MK-18

PROJECT MULKANIPPIE AZIMUTH -

LOCATION MALBOOMA MINE GRID INCLINATION -

CO-ORDINATES L1 1200 DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING DEPTH 18

EQUIPMENT DOWN HOLE SURVEYS — Method

PRECOLLAR Depth Bearing Inclination

DIAMOND

CASING

LABORATORY COMLABS

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	.5		SANDY CLAY COVER	.5	.01			L-13
.5	1		GREY BROWN WEATHERED					
			DIORITE CLAY RICH					
			MINOR FELSIC LAYERS					
1	2							
2	3							
3	4							
4	5		SLIGHT INCREASE IN FRESH					
			DIORITE FRAGMENTS					
5	6							
6	7							
7	8							
8	9			16-5	.02			L1-14
9	10							
10	11							
11	12							
12	13		FRESH GREY DIORITE					
			FRAGMENTS MEDIUM					
			GRAIN SIZE WITH MINOR					
			CLAY ALTERATION ALONG					
			FRACTURE PLANES					
13	14							
14	15							
15	16		NO CLAY ALTERATION					
16	17							
17	18				.02			L1-15

DRILL LOG 0337

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1180
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-79
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 14m
DOWN HOLE SURVEYS — Method

Depth	Bearing	Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMP No.
0	-5		SANDY CLAY COVER	.5	.01			L1-16
-5	1							
1	2		↓					
2	3		DARK GREY VERY FINE					
			GRAINED FRESH BUT					
			FRACTURED DIORITE					
3	4							
4	5							
5	6			12.5	.02			L1-17
6	7							
7	8							
8	9		↓					
9	10		VERY SILICEOUS					
10	11							
11	12							
12	13							L
13	14		↓	1	.02			L-18

DRILL LOG 0338

COMPANY TARGOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES L1 -1160
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK- 80
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 12m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclinatio

SUMMARY LOG

FROM	TO	RECD	DESCRIPTION	SAMPLE INTERVAL	AU			SAMP No.
0	-5		SANDY CLAY FE STAINED	-5	.02			L-19
-5	1		KHAKI GREEN CLAY RICH					
			WEATHERED DUNITE. MINOR					
			FRESH FRAGMENTS					
1	2							
2	3							
3	4							
4	5							
5	6			10.5	.01			L-20
6	7							
7	8							
8	9							
9	10							
10	11		↓					
11	12		FRESH DUNITE	1	<.01			L-21

DRILL LOG 0339

COMPANY TARCOOLA GOLD LTD
PROJECT MULKANIPPIE
LOCATION MALBOOMA MINE GRID
CO-ORDINATES 10m S/W OF MINE
LOGGED BY TREVOR ELBERG
DRILLED BY THOMPSON DRILLING
EQUIPMENT
PRECOLLAR
DIAMOND
CASING
LABORATORY COMLABS

HOLE NO. MK-81
AZIMUTH -
INCLINATION -
DATE STARTED 17/12/87
DATE COMPLETED 17/12/87
DEPTH 36m
DOWN HOLE SURVEYS — Method
Depth Bearing Inclination

SUMMARY LOG

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY COVER	-5	-01			L-22
-5	1		KHAKI TAN CLAY MUD					
			LEACHED DUNITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8							
8	9		↓					
9	10		MINOR VEIN QUARTZ SOME					
			FRESH KHAKI MICA ↓ STAINED					
10	11							
11	12							
12	13							
13	14							
14	15							
15	16							
16	17			3-5	.10			L-23
17	18							
18	19							
19	20		↓					
20	21		MINOR TALC ALTERATION					
			DUNITE STILL SAME AS					
			ABOVE					
21	22							
22	23							
23	24							
24	25							
25	26		↓					

DRILL LOG (Follow Sheet) HOLE No. MK-81

0340

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
26	27		↓					
27	28		↓					
28	29		FRESH FRACTURED BLOCKS					
			D.= DIORITE WITH					
			WEATHERING ALONG FRACTURE					
			PLANES					
29	30		↓					
30	31		↓					
31	32		↓					
32	33		↓					
33	34		↓					
34	35		VERY FRESH GREY					
			MEDIUM GRAINED DIORITE					
35	36		↓	1	.08			41-24

DRILL LOG 0341

COMPANY TANCOOLA GOLD LTD — HOLE NO. MK-82

PROJECT MUCKANIPPIE — AZIMUTH -

LOCATION MALBOOMA MINE GRID — INCLINATION -

CO-ORDINATES 20m S/W OF MINE — DATE STARTED 17/12/87

LOGGED BY TREVOR ELBERG — DATE COMPLETED 17/12/87

DRILLED BY THOMPSON DRILLING — DEPTH 32

EQUIPMENT — DOWN HOLE SURVEYS — Method

PRECOLLAR — Depth | Bearing | Inclination

DIAMOND — | | |

CASING

LABORATORY COMLABS

SUMMARY LOG

AIR LOSS AT 16m DUE TO FRACTURED GROUND ON STOPE

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AU			SAMPLE No.
0	-5		SANDY CLAY	-5	<.01			L1-25
-5	1		WEATHERED GRANITE CLAY	-				
			N.CLIT MINOR PYRITE					
			MAJOR MUSCOVITE					
1	2							
2	3							
3	4							
4	5							
5	6							
6	7							
7	8							
8	9							
9	10							
10	11							
11	12		↓					
12	13		VEIN QUARTZ LARGE					
			BLOCK FRAGMENTS MILKY					
			WHITE					
13	14		POSSIBLE WEATHERED					
			GRANITE WITH MINOR					
			QUARTZ VEINS. PINK					
			SANDY CLAY.					
14	15			305	.01			L1-26
15	16			—	—			
16	17							
17	18							
18	19							
19	20		↓					
20	21		BLACK FRAGMENTS OF					
			FRESH QUARTZ WITH					
			ALTERATION ALONG FRACTURE					

DRILL LOG (Follow Sheet) HOLE No. MF-82

0342

FROM	TO	REC'D	DESCRIPTION	SAMPLE INTERVAL	AV			SAMPLE No.
			PLANES					
21	22							
22	23							
23	24							
24	25							
25	26							
26	27							
27	28							
28	29							
29	30		↓					
30	31		FRESH DIORITE					L
31	32		↓		.01			L-27

TARCOOLA GOLD LTD.

1st Fl., 68 North Terrace, Kent Town, South Australia 5067
Postal Address: P.O. Box 2010 Kent Town, South Australia 5071
Telex: AA88765 (Att. AD998) Facsimile: (08) 363 1920
Telephone: National (08) 363 1663 International + 618 363 1663

5 July, 1988

Director General,
Department of Mines and Energy,
P.O. Box 151
EASTWOOD S.A. 5063

Dear Sir,

SIXTH QUARTERLY REPORT ON EXPLORATION LICENCE NO.1375 MUCKANIPPIE, SOUTH AUSTRALIA FOR PERIOD ENDING 5 JULY, 1988

During the last quarter limited field work has been carried out at the Muckanippie site. Follow up assaying of significant intersections, encountered during the RAB drilling program, has yielded significant results and helped plan further RAB and RC drilling programs.

Collection of ground magnetic data over the gridded area has been started and is expected to continue over the next quarter.

A detailed 1:10,000 scale colour aerial photography survey was carried out in late - March. The Company has now received these prints and is currently using them to outline areas of possible further interest.

Planning of future work is continuing and will involve :

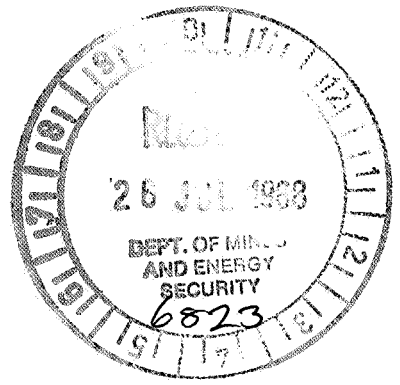
1. completion of ground magnetic survey
2. further regional soil sampling
3. follow-up infill soil sampling
4. follow-up RAB drilling

Exploration expenditure for the period totalled $11,608-93 and is detailed on the attached Statement of Expenditure.

Yours faithfully,

JUSTIN GUM
GEOLOGIST

jcg:jg
muckrep6



TARCOOLA GOLD LIMITED

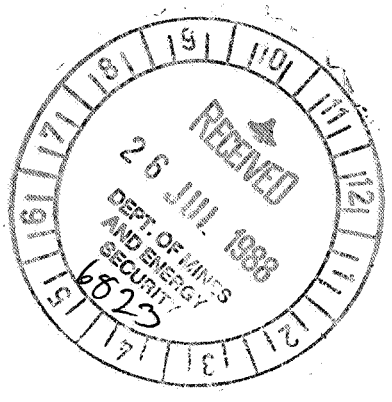
SIXTH QUARTERLY REPORT ON EXPLORATION

LICENCE NUMBER 1375, MUCKANIPPIE

SOUTH AUSTRALIA FOR PERIOD

ENDING 5 JULY, 1988

Adelaide
July, 1988



Justin Gum
Geologist

DISTRIBUTION

	COPY
S.A. DEPARTMENT OF MINES AND ENERGY	ORIGINAL
TARCOOLA GOLD LIMITED	1

EL 1375

MUCKANIPPIE

Statement of Expenditure incurred from
April 6th to July 5th, 1988

Aerial Photography	8,735.00
Payroll - Technical	2,703.36
Payroll Tax	86.09
Workers' Compensation Ins.	84.48
	$ 11,608.93

CONTENTS

1.	Summary	1
2.	Introduction	2
3.	Resampling of RAB Holes	3
4.	Aerial Photography	4
5.	Ground Magnetics Survey	5
6.	Forward Programme	6

APPENDIX

1. Assays COM 8AD1846 RAB Drilling Resampling
2. Aerial Survey Flight Reports

LIST OF ILLUSTRATIONS

FIGURES — FOLLOWS PAGE NO.

1. Locality Map EL 1375 with Basement Geology 1

2. Sample values and geology along RAB drillhole MK12 3

PLANS (IN POCKET)

1. E.L. No. 1375 Base Plan Showing Regional Grid and Ground Magnetic Survey

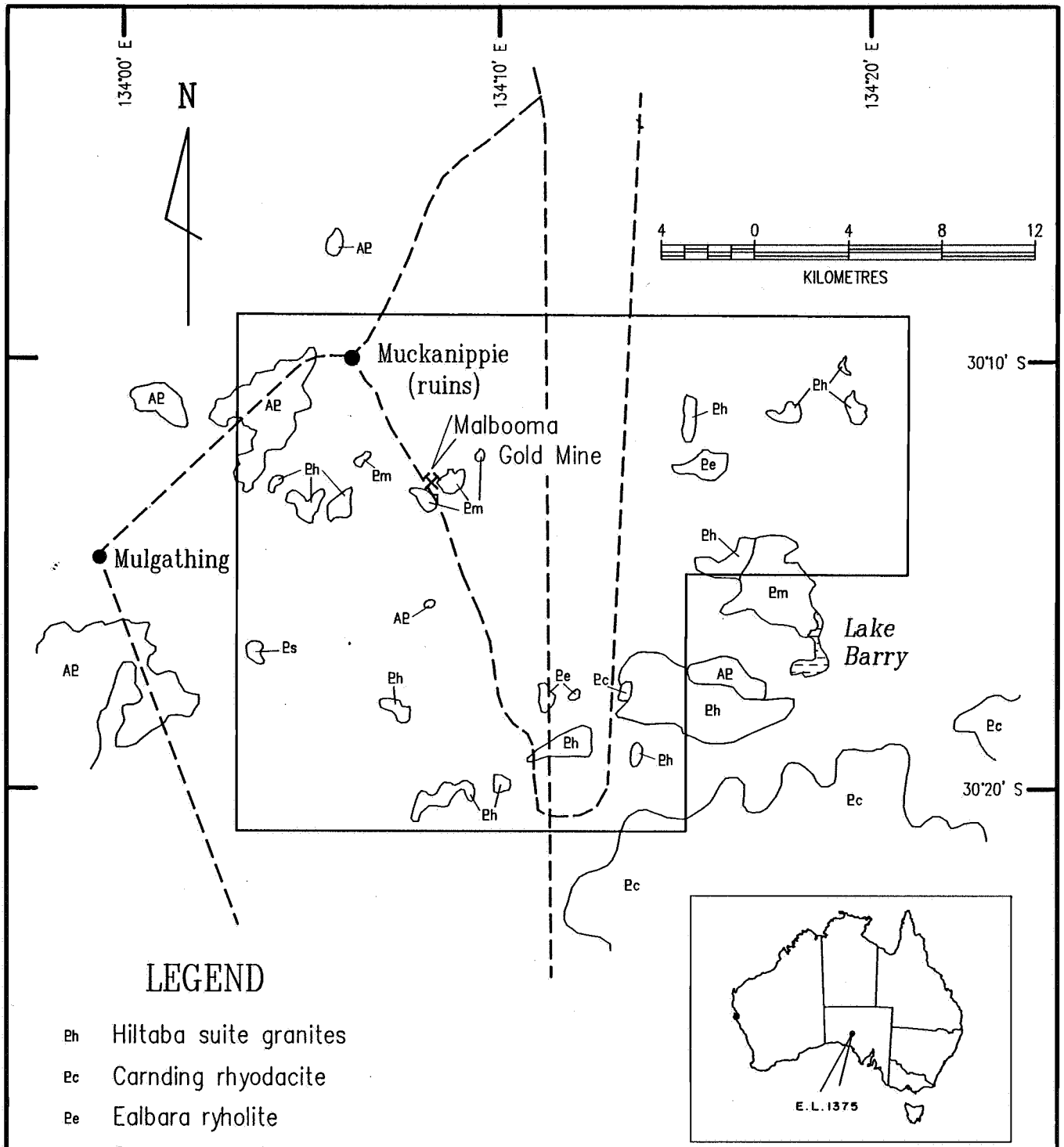
2. RAB Drillhole Locations, Holes 1-82.

1. SUMMARY

Field work carried out on Exploration Lease No.1375, over the last quarter, included resampling of RAB drill hole MK12 and recording of ground magnetic data over the western half of the gridded area (See Plan 1).

In addition to this field work, photointerpretation of prints obtained from the aerial survey,.flown in late March, has begun.

Work done in this quarter has yielded information about further possible shallow subcrops of Muckanippie Diorite. These subcrops are possible targets for Malbooma style mineralization. Further sampling and RAB drilling will be required in the future to determine the potential of these bodies.



LEGEND

- Ph Hiltaba suite granites
- Pc Carnding rhyodacite
- Pe Ealbara ryholite
- Ps Symons granite
- Pm Muckanippie diorite
- AP Mulgathing complex
- Track

Geology based on TARCOOLA 1:250,000 sheet

Basement Geology
MUCKANIPPIE
E.L. 1375

Figure 1

2. INTRODUCTION

This is the sixth quarterly report to the South Australian Department of Mines and Energy for Exploration Licence No. 1375, Muckanippie area, being for the period April 5th, 1988 to July 5th, 1988.

The Muckanippie licence covers an area of about 533 square kilometres, surrounding the old Malbooma Goldfield, approximately 70km north west of Tarcoola. The Licence was granted to Insight Mining Pty. Ltd., now known as Tarcoola Gold Limited, on 6 January, 1987 to search for gold and other metals.

The area is one of the low relief, limited basement outcrop with expanses of Jurassic and Tertiary cover and has had very little exploration for gold carried out over it.

Known gold mineralisation is restricted to the historic Malbooma Gold Mine workings (also known as Muckanippie). This area was discovered in 1909 when a Government prospecting party located gold bearing float near the Muckanippie rock holes. Mining opened up a 1.5 metre wide quartz reef containing limonitic fractures and voids after pyrite carrying gold values of around 7g/t. Grade was found to drop off with depth suggesting surface enrichment and the prospect was abandoned in 1926. A syndicate was formed to work the deposit but no production is recorded.

Basement rocks consist of Archean Gneissic metasediments including banded iron formations. These are overlain by acidic phases of the Gawler Range Volcanics, of Proterozoic age. Intruding is the Muckanippie Diorite, a possible intrusive phase of the volcanics, and host to the known gold mineralisation. All the above rocks are intruded by Proterozoic granites of the Hiltaba Suite and by dykes of the Wiltabbie Volcanics, which include both acidic and basic varieties (See Figure 1).

Work to date has concentrated on areas of outcrop and subcrop of the Muckanippie Diorite, as this lithology hosts the only known gold mineralization.

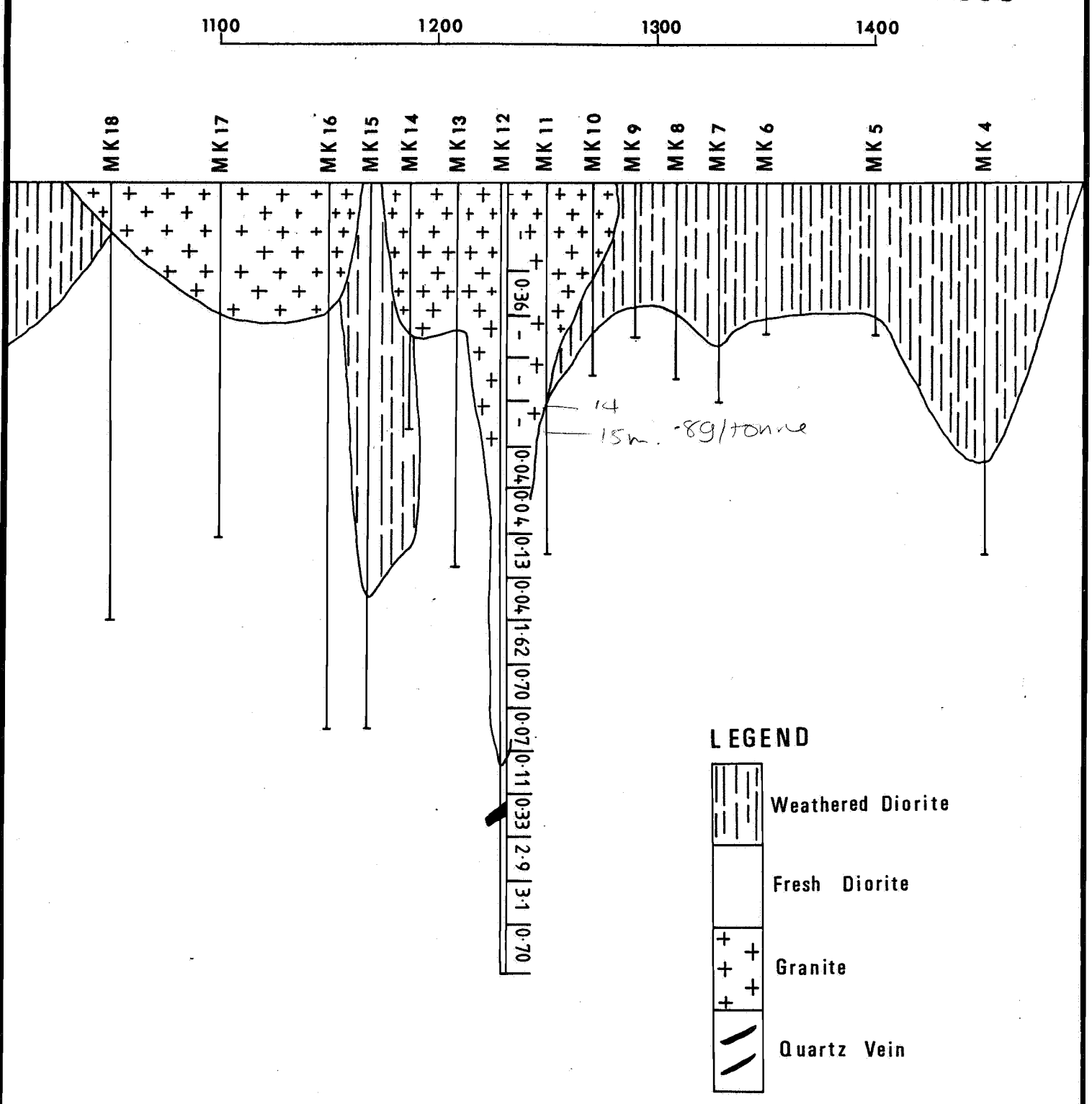
3. RESAMPLING OF RAB HOLES

Original assaying of the 82 hole RAB drilling program returned quite low gold values in almost all of the holes, with the exception of MK12 and MK13. M12 was collared about 20m west of the Malbooma Shaft and returned gold values of 0.8 g/tonne (0.5 - 30m composite sample), 1.44 g/tonne (30 - 34m) and 3.3 g/tonne (34 - 36m EOH sample). From 30 - 36m the hole drilled through a quartz vein which is probably the down-dip extension of the quartz reef found in the Malbooma Mine. Mk13 returned a value of 0.11ppm Au from the surface sample.

Plan 2 shows drill hole locations.

The drill chips from MK12 were resampled at two meter intervals. The assay values can be seen on Figure 2 where they are plotted against the geology. While several good assays were obtained from the granite (0.36g/t from 4-6m, 1.62g/t from 20-22m and 0.7g/t from 22-24m), the highest values came from the diorte where it is cut by quartz veins (2.9g/t from 30-32m and 3.1g/t from 32-34m).

These results should be followed up with further sampling of the drill chips in the other holes. This will help define targets for future drilling



1:2500
25 50 75 100

1:250
2
4
6
8

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

RAB DRILLHOLE PROFILES

LINE L2

HOLES MK 4-18

AUTHOR	DATE	
J.Gum	July 1988	Figure 2

4. AERIAL PHOTOGRAPHY

The Department of Lands was contracted to fly a detailed 1:10,000 color aerial survey over the area covered by Exploration Lease No 1375. This was completed in late March but the final prints were unavailable until this quarter.

Interpretation of these prints is continuing at the present. Already they have been useful in determining areas of shallow subcrop of the Muckanippie Diorite. They will also proved useful in determining possible future drilling targets.

Completed interpretive maps will be included in subsequent reports.

5. GROUND MAGNETICS SURVEY

A ground magnetic survey has been conducted over the western half of the gridded area within exploration lease No.1375. This covers lines 4200W to 6000E. Readings were taken at 50m intervals along each line(See Plate 2).

The object of this survey is to map the extent of the Muckanippie Diorite occurring at shallow depths within the lease. Further readings may be taken at a later date should the Muckanippie Diorite be proven more extensive than at present believed.

The results of this survey are being plotted at the moment. The remainder of the survey should be finished in the near future.

6. FORWARD PROGRAM

MALBOOMA MINE AREA

Further RAB and RC drilling is required at the Malbooma Mine Site to :

1. follow-up the resampled intersections in MK 12
2. follow-up the surface sampling gold anomaly adjacent to the old workings
3. test the along-strike and down-dip potential at distance, of the Malbooma Mine quartz reef
4. further test the quartz veins intersected in the original RAB drilling programme.

REGIONAL EXPLORATION

The next stage of regional exploration will:

1. finish the ground magnetic survey over the main grid, placing the data put on computer and having detailed stacked profiles and contour maps produced to define the extent of the Muckanippie Diorite
2. extend the BCL soil sampling over the remainder of the gridded area
3. follow-up the significant gold anomaly outlined at Lake Barry with an infill BCL soil sampling programme

134°00'
134°03'
134°05'
134°10'
134°15'
134°20'
134°21'
30°09'
30°10'
30°15'
30°20'
6660000m N.
410000m E
66
65
64
42
43
44

'BRADMAN' O.S. (Ruin)
TANK
BORE, TANK
'MUCKANIPPIE' O.S (Ruin)
HONEYSUCKLE BORE (Old)
PEGLAR BORE
MAL BOOMA GOLD MINE
FENCE
PROOF
VERMIN
Position Uncertain
TO BULGUNNIA H.S.
TO MULGATHING H.S.
7000W
6000W
5000W
4000W
3000W
2000W
1000W
200
1000E
2000E
BASELINE
4000E
6000E
8000E
SATISFACTION BORE
10000E
11000E
13000E
15000E
17000E
BASELINE 2000N
DINGO WELL, DAM, TANK
WHITE NOSE BORE & TANK
SNAKE ROCKS BORE, TANK
DOROTHY WELL
LEPA
JUDYS BORE

Ground Magnetic Survey Area

0 1 2 3 4 5
KILOMETRES

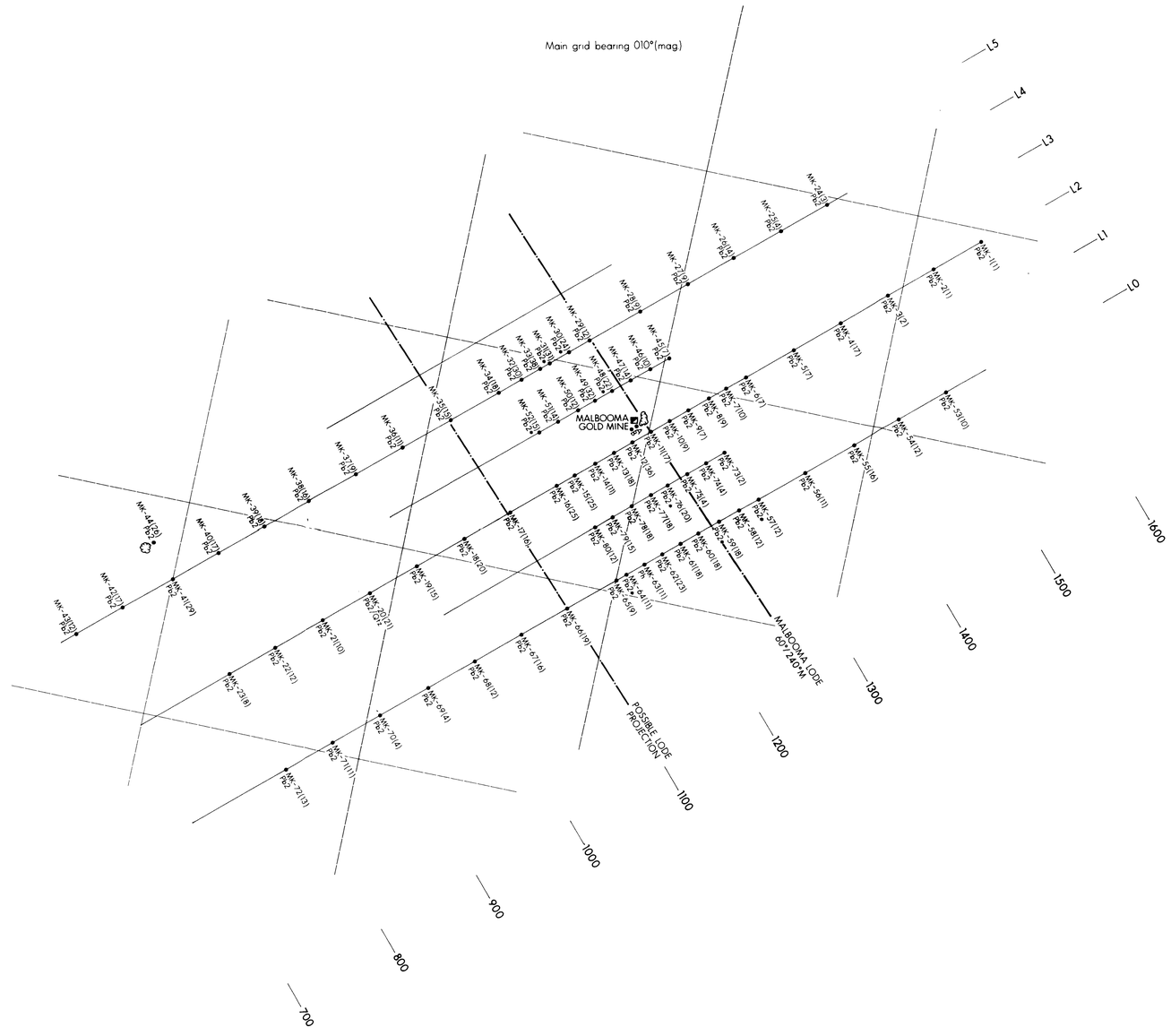
TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

BASE PLAN 1:50000

6823-11

AUTHOR.	DRAWN.	DATE.	PLATE.
D.TONKIN	CARTO GRAPHICS	JAN '88	1



LEGEND

MK	Hole Number Prefix
(10)	Depth of Hole
•A	MK-81(36)
•B	MK-82(32)
	Shaft
	Tailings Dump
	Projection of Lode
Ph	Hitaba Granite
Pb2	Muckanippie Diorite
Qtz	Quartz Veining
•	Secondary Silicification + Epidote Alteration

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

6823-12

AUTHOR	DRAWN	DATE	PLATE
T. ELBERG	CARTO GRAPHICS	JAN '88	2

A P P E N D I X 1

GOLD ASSAYS

BY COMLABS JOB NO. 8AD1846

CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN W.A.)

This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.

Mr. Justin Gum
Tarcoola Gold Ltd.
68 North Terrace
KENT TOWN
SA 5067 Australia

JOB NUMBER: 8AD1846

Your Reference: 1130-1135

Date Received: 30-MAY-1988 Turnaround 7 days
Date Relayed: 6-JUN-1988
Date Reported: 6-JUN-1988

Number of Samples: 120

Report Analyte Codes
N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficent Sample for Analysis.

Report Comprising: Cover Sheet
Pages 1 to 5

Comments:

Report Dist'n: Carbon Copies(CC),Electronic Media(EM),Magnetic Media(MM)

Type	Recipient	Location	Date	Copies
CC	Mr. Justin Gum	Kent Town	6-JUN-1988	2

Approved Signature:

for

Harry Fishman
Managing Director.
CLASSIC COMLABS LTD
(Please address any enquiries to Mr. Trevor Francis)

This report relates specifically to the sample(s) tested in so far as that the sample(s) is truly representative of the sample source as supplied.

CLASSIC COMLABS LTD
Analytical Laboratories (INC. IN W.A.)

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0359

Job: 8AD1846
O/N: 1130-1135

ANALYTICAL REPORT

SAMPLE	Au Avg	Au Dp1	Au Dp2	Au Dp3
MK12-4	<0.01	--	--	--
MK12-6	0.36	--	--	--
MK12-8	<0.01	--	--	--
MK12-10	<0.01	--	--	--
MK12-12	<0.01	--	--	--
MK12-14	0.04	--	--	--
MK12-16	0.04	--	--	--
MK12-18	0.13	0.14	0.11	--
MK12-20	0.04	--	--	--
MK12-22	1.62	1.48	1.78	--
MK12-24	0.70	0.64	0.76	--
MK12-26	0.07	--	--	--
MK12-28	0.11	--	--	--
MK12-30	0.33	--	--	--
MK12-32	2.9	2.6	3.2	--
MK12-34	3.1	3.3	3.0	--
MK12-36	0.70	--	--	--
UNITS	ppm	ppm	ppm	ppm
SCHEME	FA1	FA1	FA1	FA1

A P P E N D I X 2

DEPARTMENT OF LANDS
Aerial Survey Flight Report
Survey #3847 and #3854

SURVEY # 3854

DEPARTMENT OF LANDS
Aerial Survey Flight Report

GENERAL INFORMATION

Location Name	MULGATHING
Docket #	SD 8665
Client	Tarcoola Gold
Job #	87053

CAMERA/FILM DETAILS

Camera	RMKA
Focal length (mm)	153.15
Film format (mm)	230
Film type	co 2445
Canister #	3854

FLIGHT INFORMATION

Flying height ASL (m)	1730
AGL (m)	1530
Flying time (hr.dd)	3.40
Flying conditions	

EXTRA INFORMATION

Restricted	n
Remarks	
Proof Copies Available :	
Area (sq kms)	329

PHOTOGRAPHY DETAILS

Task	PE ( )
Nominal Scale	1 : 10000
Date start	12/03/88
finish	13/03/88
Overlap Forward %	60
Side %	30
Number of runs	7

KEY DIAGRAM INFORMATION

Name	Tarcoola
Scale	1 : 250000
Map number	
Version	

SUMMARY OF RUN INFORMATION

Run	Bearing	Start Frame	End Frame
9	270	005	026
10	090	027	048
8	270	049	080
7	270	082	113
6	090	114	147
5	270	148	180
4	090	181	214

D.A. Vincent

Aerial Survey Officer

Date 06/04/88

END

0362

SURVEY # 3847

DEPARTMENT OF LANDS
Aerial Survey Flight Report

GENERAL INFORMATION

Location Name	FINKE/MULGATHING
Docket #	SD 8665
Client	Tarcoola Gold
Job #	87053

CAMERA/FILM DETAILS

Camera	RMKA
Focal length (mm)	153.15
Film format (mm)	230
Film type	co 2445
Canister #	3847

FLIGHT INFORMATION

Flying height ASL (m)	1730
AGL (m)	1530
Flying time (hr.dd)	0.00
Flying conditions	

EXTRA INFORMATION

Restricted	n
Remarks	MT FINKE Runs 3f&4f
Proof Copies Available :	
Area (sq kms)	284

PHOTOGRAPHY DETAILS

Task	PE ( )
Nominal Scale	1 : 10000
Date start	09/03/88
finish	09/03/88
Overlap Forward %	60
Side %	30
Number of runs	8

KEY DIAGRAM INFORMATION

Name	Tarcoola
Scale	1 : 250000
Map number	
Version	

SUMMARY OF RUN INFORMATION

Run	Bearing	Start Frame	End Frame
3f	270	005	011
4f	090	012	023
13	270	024	045
12	090	046	067
1	270	068	099
2	090	100	131
3	270	132	163
11	090	164	186

Aerial Survey Officer

Date 06/04/88

END

TARCOOLA GOLD LTD.

1st Fl., 68 North Terrace, Kent Town, South Australia 5067
Postal Address: P.O. Box 2010 Kent Town, South Australia 5071
Telex: AA88765 (Att. AD998) Facsimile: (08) 363 1920
Telephone: National (08) 363 1663 International + 618 363 1663

File ref:P.30.40

16 December 1988

Director-General
Department of Mines & Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

SEVENTH QUARTERLY REPORT ON EL 1375, MUCKANIPPIE
FOR PERIOD JULY 6TH TO OCTOBER 5TH, 1988

During this period no field work was undertaken in the area of the lease due to commitments within other exploration and mining leases.

Tarcoola Gold Ltd is in the process of negotiating joint ventures with several companies who would like to conduct exploration in the area.

It is hoped that an extensive exploration program will be conducted in the near future.

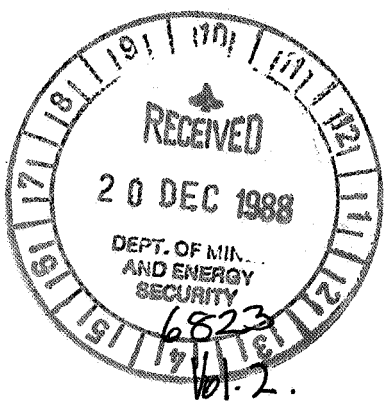
Expenditure for the period totalled $1,660.91 and is detailed on the attached Statement of Expenditure. The total expenditure for the licence to date is $13,269.84.?
for financial year 1988/89.

Yours faithfully,

JUSTIN GUM
GEOLOGIST

jg:jg

MUCKQTR7



EL 1375

MUCKANIPPIE

Statement of Expenditure Incurred
from July 6th to October 5th 1988

Geological and geophysical	$117.93
Drilling	-
Logistics	$1,405.19
Depreciation	-
Administration	$137.79
Total	$1,660.91
Cumulative total to 12th October 1988	$13,269.84

TARCOOLA GOLD LTD.

1st Fl., 68 North Terrace, Kent Town, South Australia 5067
Postal Address: P.O. Box 2010 Kent Town, South Australia 5071
Telex: AA88765 (Att. AD998) Facsimile: (08) 363 1920
Telephone: National (08) 363 1663 International + 618 363 1663

File ref:P.30.40

10 January 1989

Director-General
Department of Mines & Energy
PO Box 151
EASTWOOD SA 5063

Dear Sir,

EIGHTH QUARTERLY REPORT ON EL 1375, MUCKANIPPIE
FOR PERIOD OCTOBER 6TH, 1988 TO JANUARY 5TH, 1989

During this period no field work was undertaken in the area of the lease due to commitments within other exploration and mining leases.

Tarcoola Gold Ltd is in the process of negotiating joint ventures with several companies who would like to conduct exploration in the area.

It is hoped that an extensive exploration program will be conducted in the near future.

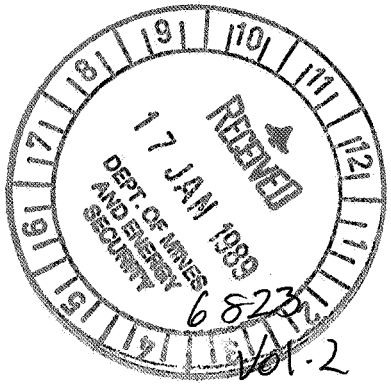
No expenditure was recorded for this period The total expenditure for the licence to date is $13,269.84.?

Yours faithfully,

JUSTIN GUM
GEOLOGIST

jg:jg

MUCKQTR8



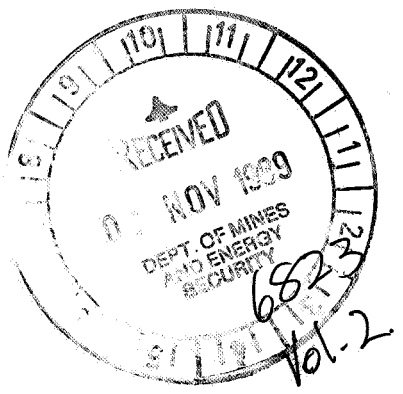
TARCOOLA GOLD LIMITED

MALBOOMA PROJECT

EL 1375

FINAL REPORT

OCTOBER, 1989



6623
Vol. 2

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2. GEOLOGY AND MINERALIZATION

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21. RAB PROFILE : MK 12 REANALYSIS

1. INTRODUCTION

The Malbooma Project area (also known as Muckanippie) is located approximately 70 kilometres north-west of Tarcoola and 700 kilometres north-west of Adelaide in South Australia (see Figure 1). It comprises one Exploration Licence (No. 1375) of approximately 533 square kilometres surrounding the old Malbooma Goldfield. The licence was granted on the 6th January 1987.

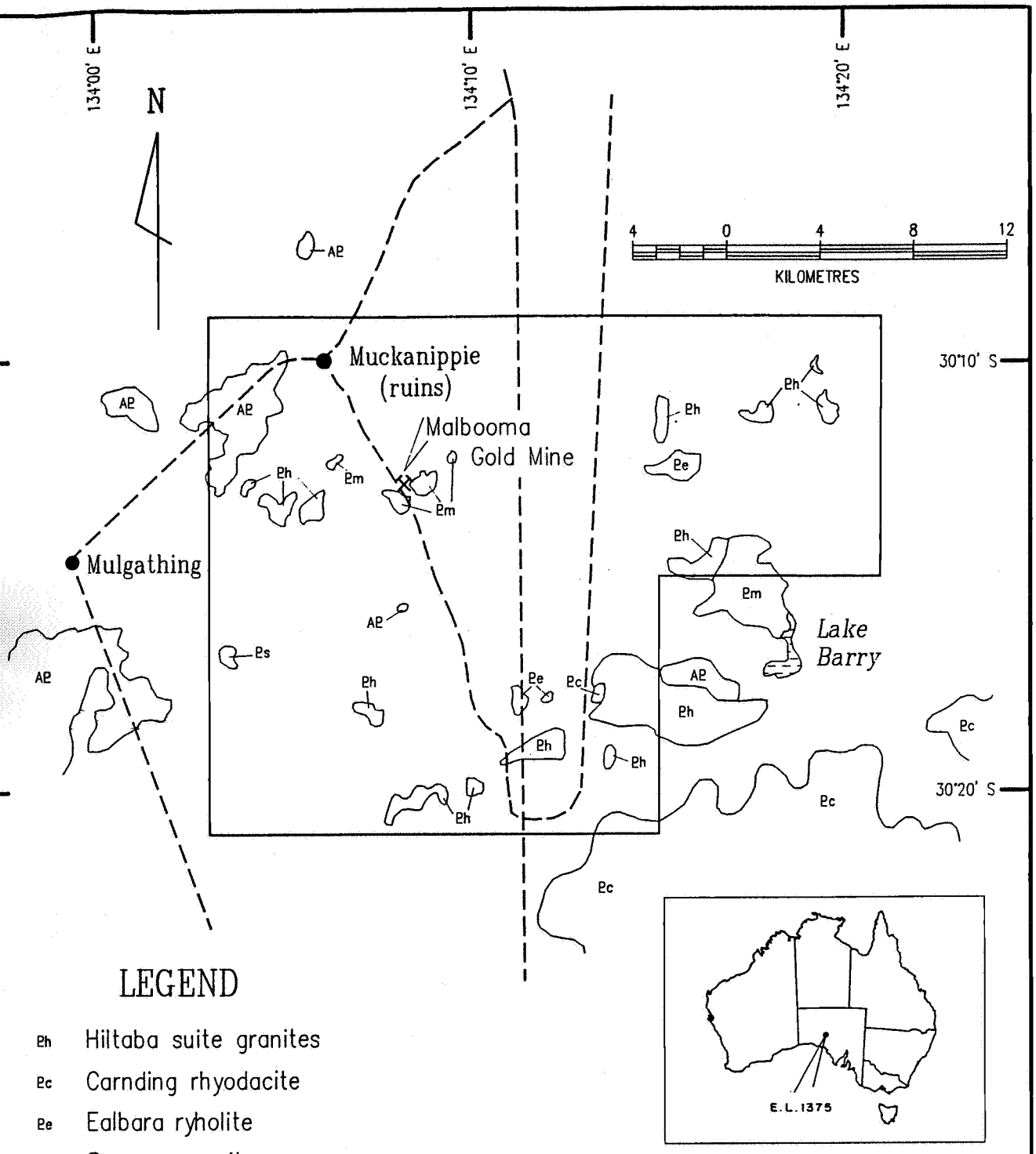
The area is one of low relief, limited basement outcrop with expanses of Jurassic and Tertiary cover and has seen little exploration for gold. Known gold mineralization is restricted to the Malbooma gold workings (also known as Muckanippie), however an area of prospecting pits was reported by Kennecott Explorations (Aust) Pty Limited some 13 kilometres north of Lake Barry.

Tarcoola Gold Limited has carried out a varied exploration programme consisting of air-photo and aeromagnetic interpretation, rock chip and soil sampling, mapping and reconnaissance RAB drilling.

2.0 GEOLOGY AND MINERALIZATION

Archean basement in EL1375 is composed of gneissic metasediments of the Mulgathing Complex. These include units of banded iron which are considered possible hosts for gold mineralization. Ealbara Rhyolite and Carnding Rhyodacite of the Gawler Range Volcanics overlie the gneisses and are exposed in the west and south of EL1375. Gold mineralization at Malbooma is hosted by the Muckanippie Diorite which may be an intrusive phase of the Gawler Range Volcanics.

All the above rocks are intruded by Hiltaba Suite Granites and dykes associated with the Wiltabbie Volcanics. Sheared and altered zones within and on the contacts of the Hiltaba Suite Granites and Muckanippie Diorite are principal exploration targets. Over 90% of the area of EL1375 is covered by a mantle of Jurasssic and Cainozoic sandstones, sands and duricrust. The area is transected by a regional north-west trending structural lineament and several north-east trending faults.



LEGEND

- Ph Hiltaba suite granites
- Pc Carnding rhyodacite
- Pe Ealbara ryholite
- Ps Symons granite
- Pm Muckanippie diorite
- AP Mulgathing complex
- Track

Geology based on TARCOOLA 1:250,000 sheet

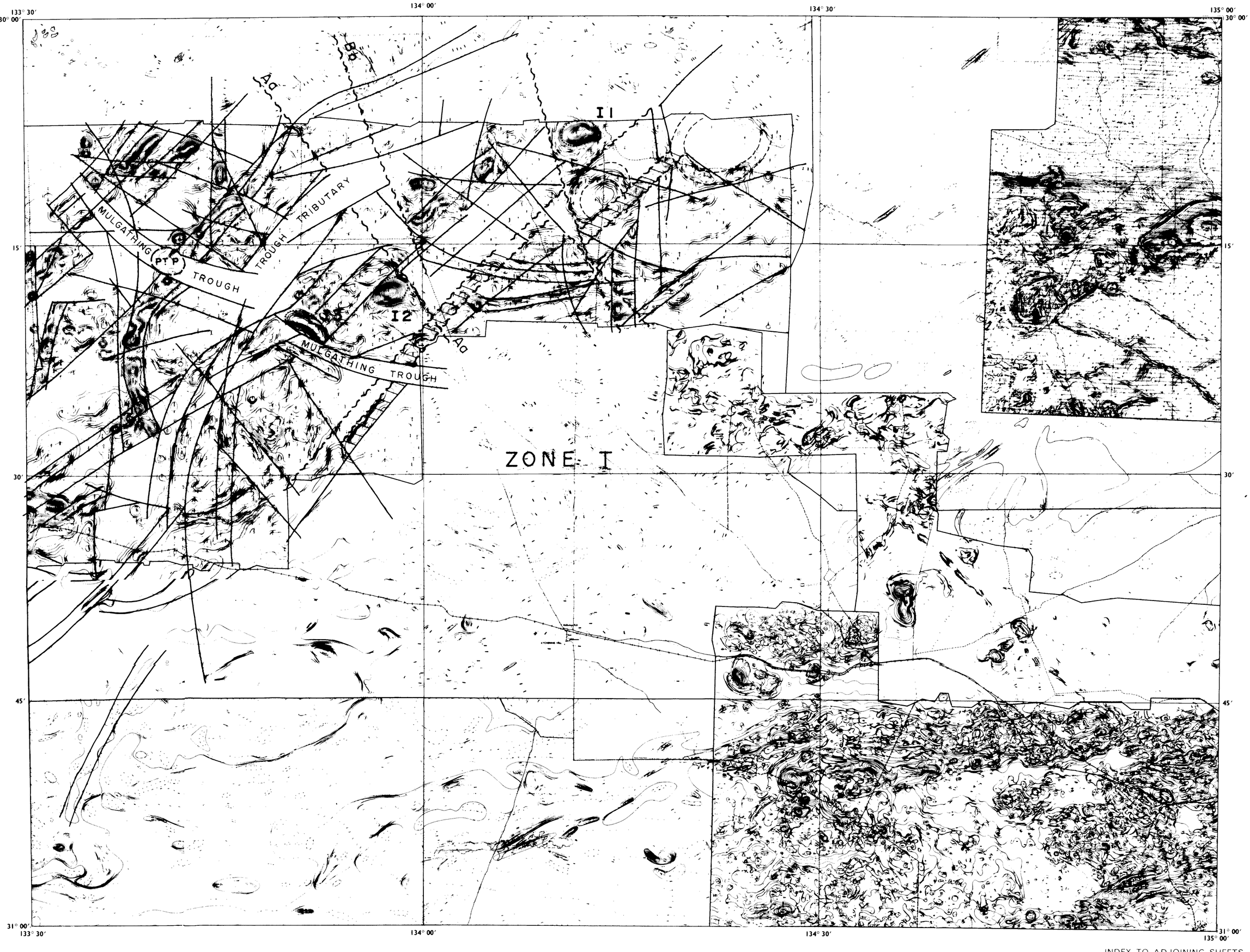
Basement Geology
MUCKANIPPIE
E.L. 1375

Figure 1

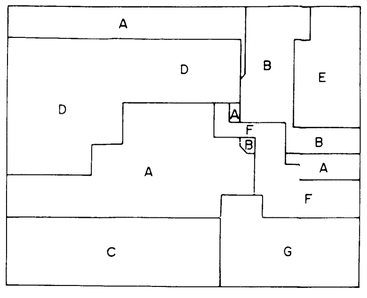
TARCOOLA

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY ADELAIDE

3rd Edition



SURVEY INDEX



A S.A.D.M.
B S.A.D.M.
C S.A.D.M.
D Kennecott Explorations(Aust.) Pty Ltd.
E Samedan of Australia
F Getty Mining Pty Ltd
G S.A.D.M.E.

SURVEY SPECIFICATIONS

SURVEY ALTITUDE A :50m AGL, B :50m AGL, C :50m AGL, D :135m ATC, E :100m MTC, F :90m AGL, G :90m AGL.

FLIGHT LINE SPACING A : 6km E-W, B :3·2km E-W, C : 6km E-W, D :0·8km N-S, E :0·5km E-W, F :0·4km E-W, G : 4km N-S, 0·5km E-W

CONTOUR INTERVAL A :100 AT, B :100 AT, C :50 AT, D :20 AT, E :0 AT, F :20 AT, G :0 AT

The surveys were flown by :-

A Adastra Hunting Geophysics Ltd for S.A.D.M. in 1957
B Bureau of Mineral Resources for S.A.D.M. in 1966
C Bureau of Mineral Resources for S.A.D.M. in 1961
D Geosearch Perth for Kennecott Explorations(Aust) Pty Ltd in 1970
E Geometrics International Corporation for Samedan of Australia in 1978
F Geometrics International Corporation for Getty Mining Pty Ltd in 1975
G Australian Aerial Surveys Pty Ltd for S.A.D.M.E. in 1979

The surveys were flown using mosaics compiled from uncontrolled aerial photographs the scale must be assumed to be approximate only.

Compiled under the direction of R.K. Johns, M.Sc., Director Geophysics, S.A. Department of Mines and Energy.

Issued under the authority of the Honourable R.G. Payne, M.P., Minister of Mines and Energy.

LEGEND

Magnetic contour (values in nanoteslas)

Magnetic Low

TARCOOLA GOLD LIMITED

SCALE

1 : 250 000

MILES 2 1 0 2 4 6 8 10 12 14 16 18 20 MILES

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

CROWN COPYRIGHT RESERVED

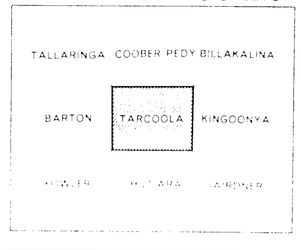
Prepared by the Geophysics Section, S.A. Department of Mines and Energy,
R.A. Gerdes, B.Sc.(Hons.), Geophysicist, R.G. Nelson, B.Sc.(Hons.), Supervising Geophysicist

Cartography by Drafting Branch, S.A. Department of Mines and Energy, Adelaide

AEROMAGNETIC MAP OF TOTAL INTENSITY

Published 1983

INDEX TO ADJOINING SHEETS



GEOPHYSICAL INTERPRETATION — P. WOYZBUN, 1987

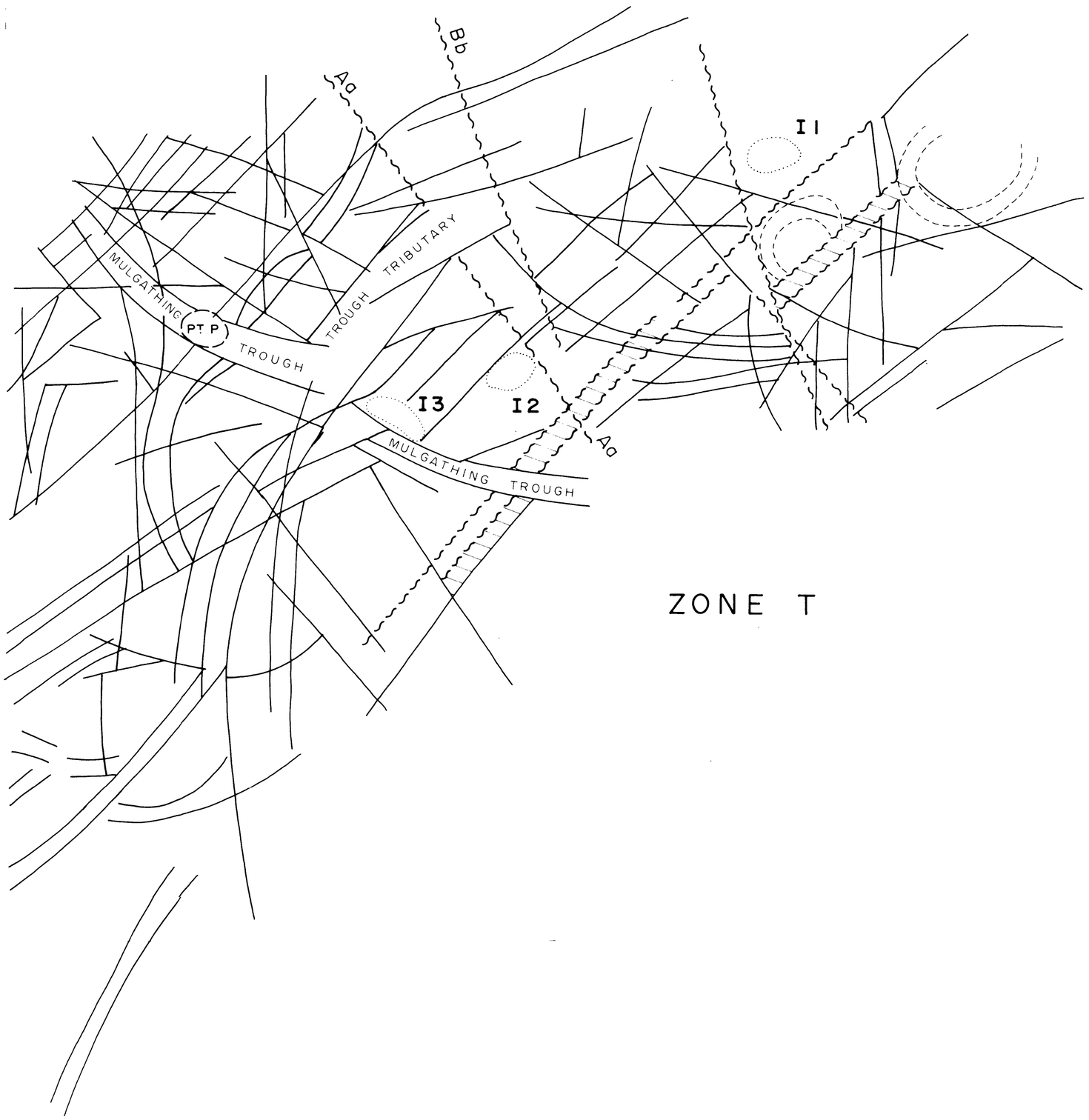
TARCOOLA GOLD LIMITED		
MALBOOMA PROJECT		
REGIONAL MAGNETIC CONTOURS		
Geo	Date	PLAN 2

Job No 3285

6823-13

TARCOOLA
83-427

TARCOOLA



ZONE T

30° 45'

134°30'

TARCOOLA GOLD LIMITED

GEOPHYSICAL INTERPRETATION — P. WOYZBUN, 1987

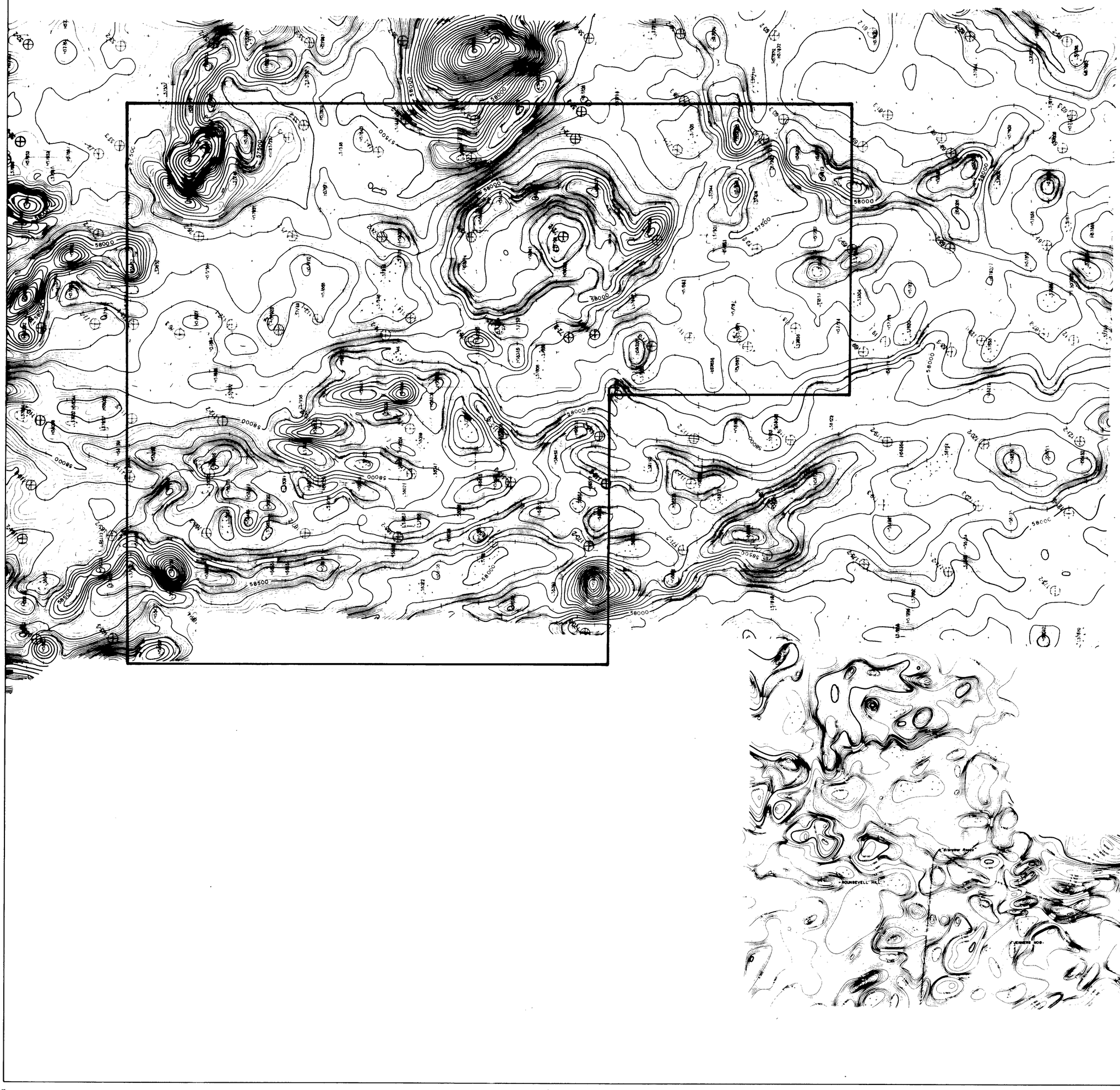
TARCOOLA GOLD LIMITED		
MALBOOMA PROJECT REGIONAL MAGNETIC INTERPRETATION		
Geo	Date	PLAN 3

6823-14

CARNDING
5737

GEOLOGICAL SURVEY OF SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY, ADELAIDE

134° 00'
30° 00'
134° 30'
30° 30'



134°00'
134°03'
134°05'
134°10'
134°15'
134°20'
134°21'
30°10'
30°09'
30°15'
30°20'
6660000mN
410000mE
65
64
66
44
42
43

BORE, TANK
'MUCKANIPPIE' O.S (Ruin)
HONEYSUCKLE BORE (Old)
'BRADMAN' O.S. (Ruin)
TANK
PEGLAR BORE
FENCE
MALBOONA GOLD MINE
7000W
6000W
5000W
4000W
3000W
2000W
1000W
100W
1000E
2000E
BASELINE
4000E
6000E
PROOF
8000E
10000E
11000E
13000E
15000E
17000E
BASELINE 2000N
Position Uncertain
TO MULGATHING H.S.
TO BULGUNNIA H.S.
SATISFACTION BORE
DINGO WELL, DAM, TANK
WHITE NOSE BORE & TANK
VERMIN
SNAKE ROCKS BORE, TANK
DOROTHY WELL
LEPA
JUDYS BORE

Ground Magnetic Survey Area

0 1 2 3 4 5
KILOMETRES

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

BASE PLAN 1:50000

AUTHOR	DRAWN	DATE	PLAN
D.TONKIN	CARTO GRAPHICS	JAN '88	5

6823-16

3.0 PREVIOUS EXPLORATION

In 1909 a Government prospecting party located gold bearing quartz float near Muckanippie Rock holes. Mining opened up a 1.5 metre wide quartz reef with limonitic fractures and voids after pyrite carrying gold values of around 7 g/t. Grade dropped off with depth, indicating surface enrichment, and the prospect was abandoned. In 1926 a syndicate was formed to work the deposit but no production is recorded.

From 1968 to 1972 Kennecott Explorations (Aust) Pty Limited carried out a search for nickel and base metals based mainly upon aeromagnetic data. No assays for gold nor platinum group elements were carried out, however prospecting pits north of Lake Barry were located in an area of sheared granite carrying quartz veining containing up to 10% pyrite.

Similar areas of sheared granite with quartz veining were located but no sampling was undertaken. Two plug-like ultramafic bodies with kimberlitic affinities were located, one of which is within EL1375.

In response to Kennecott's reporting of these ultramafics the area was unsuccessfully prospected for diamonds during the 1970's and early 1980's by several companies vis. Otter Exploration N.L., Cultus Pacific N.L., Gem Exploration and Minerals Limited and C.R.A. Exploration P.L.

In 1981 Key Resources P.L. held part of the area of EL1375 as Exploration Licence 855. They considered the Archean Mulgathing Complex prospective for gold hosed by banded iron formation but relinquished the ground before completing any exploration

During 1982, C.R.A. Exploration P.L. carried out localised exploration on the Malbooma gold workings (Muckanippie Gold Prospect). Samples of dump material returned gold values ranging up to 22.0 g/t with a mean of 6.6 g/t from twelve samples. This initial sampling was followed up by programmes of outcrop, float and underground sampling, hand and power augering and ground magnetics. The work was carried out over two zones separated by some 400 metres. C.R.A. Exploration considered their results indicated that mineralization of economic grade was restricted to quartz veining on a sheared granite-basic contact and no further work was undertaken.

4.0 WORK CONDUCTED BY TARCOOLA GOLD

Tarcoola Gold has conducted a varied and wide-ranging exploration programme on EL 1375. Work conducted has included soil sampling, rock chip sampling, air-photo interpretation, aeromagnetic interpretation, a ground magnetic survey, mapping and RAB drilling.

4.1 ROCK CHIP SAMPLING

A total of 73 rock chip samples have been collected from the Malbooma workings and elsewhere in EL1375. All geochemical analyses and rock chip descriptions are recorded in Appendix 1.

Gold values up to 22.50 g/t have been recorded from the quartz lode in the Malbooma workings but elsewhere in the EL gold values are subdued. Apart from a gold value of 0.56 g/t in kaolinized weathered diorite country rock at Malbooma, gold values are restricted to the quartz lode. A number of samples were also analysed for As, Sb, W and Mo. These elements do not show corresponding elevated levels with Au at Malbooma and therefore cannot be used as pathfinders.

4.2 PHOTOGEOLOGY

A preliminary photo-interpretation was undertaken by Mr G. Lau of Australian Photogeological Consultants using Lands Department RC9 photography. This study revealed some "interesting lineaments" around the Malbooma Gold Mine and suggested that outcrop of the Muckanippie Diorite was more extensive than mapped.

Interpretation was difficult, because the outcrop is poor and seems to lie largely in the ferruginised and pallid zones of a Tertiary laterite profile. Four pre-Paleozoic units mapped by Daly (1985) (Mulgathing Complex, Muckanippie Diorite, Earlbara Rhyolite and Carnding Rhyodacite), and the Tertiary duricrust units are not distinctive, and the Tarcoola 1:250,000 sheet was used to identify them. The annotation was made without any knowledge of the geological nature and setting of the gold mine, apart from the description of a quartz reef with minor boxworks and of samples collected from shear zones and dykes in diorite, noted on the back of photo 030.

The area round Malbooma seems to be cut by a series of north-trending lineaments. One which bisects the main outcrop north-east of Malbooma is topographically recessive, and might be a shear zone. The separation of outcrop south and north-east of Malbooma could be due to sinistral wrenching on the lineament that trends between them. On outcrops near Malbooma and throughout the area examined, narrow zones or lines of darker vegetation or contrasting soil tone are interpreted as dykes, and these commonly trend north/north-easterly and east/north-easterly.

Jurassic outcrop in the north forms characteristic rounded, scrub-covered hills, irregularly dissected by lighter-toned colluvial-filled gullies which form weakly-connected, and sometimes internal drainages. In the north-west and south, large light-toned sheets with patches of scrubby vegetation appear similar to groundwater calcrete, and have been interpreted as calcrete overlying Jurassic. The geological sheet shows most of the area around Malbooma as Qpt (carbonate-cemented sandy detritus over iron-cemented sand and grit) overlying Jua. Similar non-outcroping areas in the surrounding region have exploration drill holes penetrating Jua, but it is not clear to me that there is any hard evidence for Qpt/Jua here. Two sets of photolineations trending north-east and east/north-east characterise this area, and similar photolineations are developed to the north-east. They do not appear to be firescars, and may indicate shallow bedrock.

The photolineated area mentioned above, and a number of other areas marked as possible shallow bedrock, may be worth checking. Possible dykes and lineaments in the outcrops north/north-east and west/south-west of Malbooma may also be significant (the latter outcrop was mapped as by Daly, 1985).

Tarcoola has recently flown 1:10,000 coloured photographs over EL 1375. A new, more detailed photo-interpretation will be conducted in the near future.

4.3 AEROMAGNETIC INTERPRETATION

A geophysical consultant Mr P Woyzbun was contracted to make an interpretation of the data from a aeromagnetic survey flown by Geosearch in 1971 as the Malbooma area falls within this survey area. The quality of the contoured data was found to be excellent. The conclusions from this study are outlined below.

There are a number of significant lineaments, many of which represent major faulting. There appears to be a certain element of symmetry in the magnetic pattern in the western part of the area with the Mulgathing Trough as the axis of this apparent symmetry. The major magnetic features appear to arc slightly about this structure. The main magnetic trends in this part of the area seem to run generally in the north-east/south-west direction. A major change in this pattern occurs beyond faults Aa and Bb. East of these, the magnetic trends tend to be in the east-west direction with the exception of an anomaly belt due to the BIF's at the western flank.

The belt of anomalies has been displaced in places by faulting, but magnetically appears to be unchanged all along its length. At Mulgathing Trough this displacement is westerly on the northern side. Similar displacement is evident at the point P where BIF's cross the trough. This suggests that at least one of the trough-forming faults is a wrench fault. Also at the point P the BIF's can been seen crossing the trough at depth. Here they might form a bar providing a trap for alluvial gold concentration. If it exists it is however quite deep. The intrusive 13 seems to have been emplaced through and along one of the trough's faults. Intrusive 12 is unknown.

The Mulgathing Trough seems to have a tributary joining it west of 13 from the north/north-east. The trough itself is accompanied by a strong developed gravity low. A small low can also be discerned along this tributary.

As far as pinpointing areas covered by granites is concerned, it has to be stressed that this is practically impossible. Both Hitalba and Glenloth granites are non-magnetic. They are quite undistinguishable from one another on the magnetic body. As a guide of sorts it can be said that any part of the area where the magnetic contours are "quiet" (not necessary low) could contain granites. There are two circular features within (or partly within) the EL 1375 which I consider of considerable interest. The two areas give an impression that they consist of a central granitic (?) intrusion surrounded by a contract aureole and as such might be worthy of a further investigation.

4.4 GRIDDING

A large grid has been placed over the central portion of EL 1375, Malbooma. This grid has been designed to cover all areas of known outcrop and suspected subcrop of the Muckanippie Diorite within the licence area. The location of the grid is shown in the Plan 5.

Details of the grid are as follows:

Length baselines	:	26km
Number of lines	:	73km
Total length of lines	:	160.1km
Total length of gridded	:	186.1km
Bearing of lines	:	010° (M)

Lines vary in length from 2 to 4km and are generally north of the base

4.5 SOIL SAMPLING

4.5.1 ORIENTATION STUDY

An orientation soil sampling programme was conducted in the vicinity of the Malbooma workings. Sampling was conducted on two lines : one crossing the Malbooma trend at the old workings and another 200 metres to the west. Approximately 3-5kg of sample was collected from 30-50cm depth (using a portable post hole digger) and analysed for low-level Au (0.1 ppb) using the Bleg or Bulk Cyanide leach techniques. Samples were collected at variable intervals from 10-100 metres. The results of this sampling is shown in Plan 6 and the more significant results discussed below.

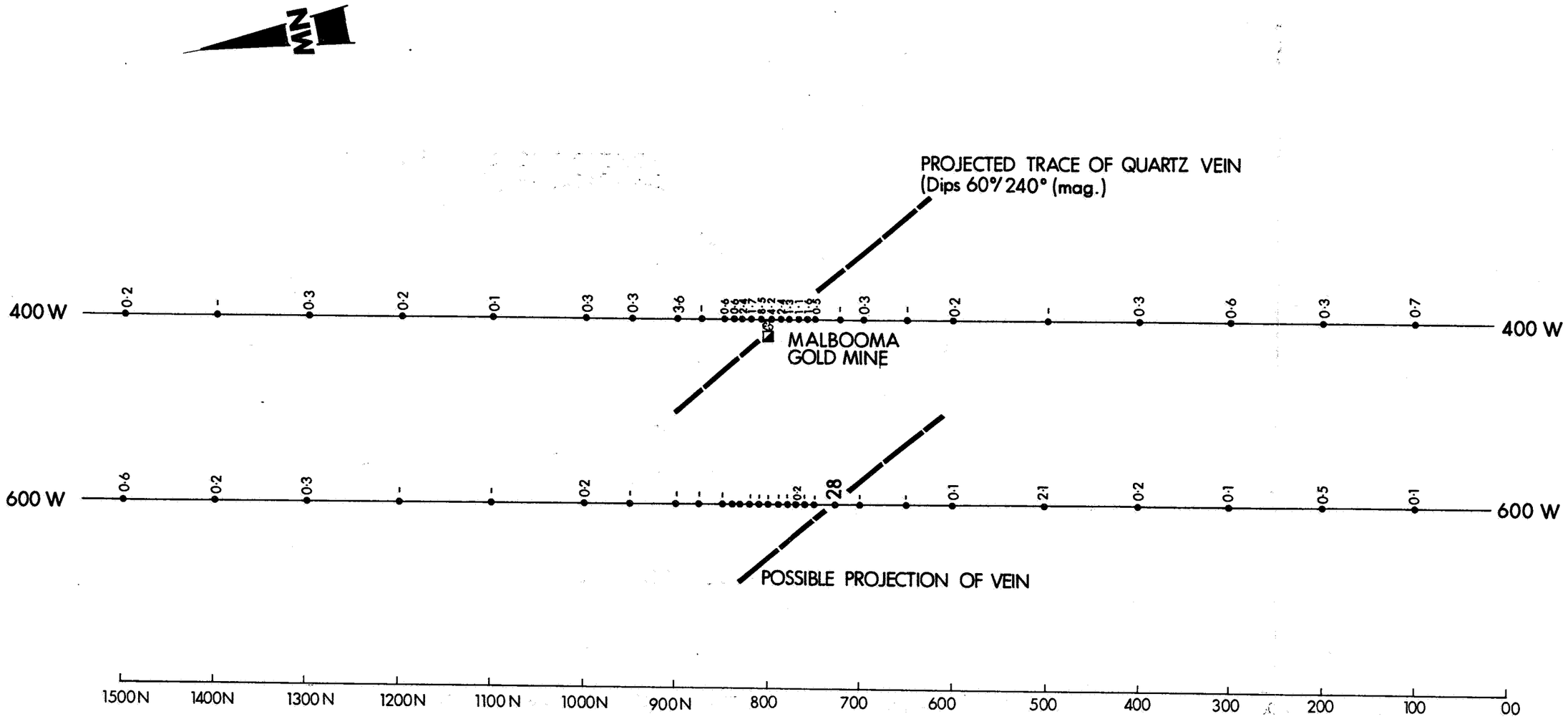
a) Anomalous samples occur adjacent to the Malbooma workings (highest value 8.5 ppb). Whether this is a true reflection of mineralization or merely a result of the mullock dumps remains unclear. Significantly no anomaly was recorded where the projected trend of the Malbooma reef crosses the second line.

b) A value of 3.6 ppb was recorded approximately 100 metres north of the Malbooma workings.

c) An extremely anomalous value of 28 ppb was recorded on line 600W to the west of the Malbooma workings.

d) A sample containing 2.1 ppb was collected on line 600W to the south-west of Malbooma.

Encouraged by these results a more detailed sampling programme was instigated.



LEGEND

- Malbooma Gold Mine
- Sample Site
- 0·3 Au assay (p.p.b.)
- \- Denotes 0·01 p.p.b. Au

0 50 100 150 200 250 METRES

Assay method: Bulk Leach
Comlabs Job: COM 872989 (23-11-87)

LOCATION MAP



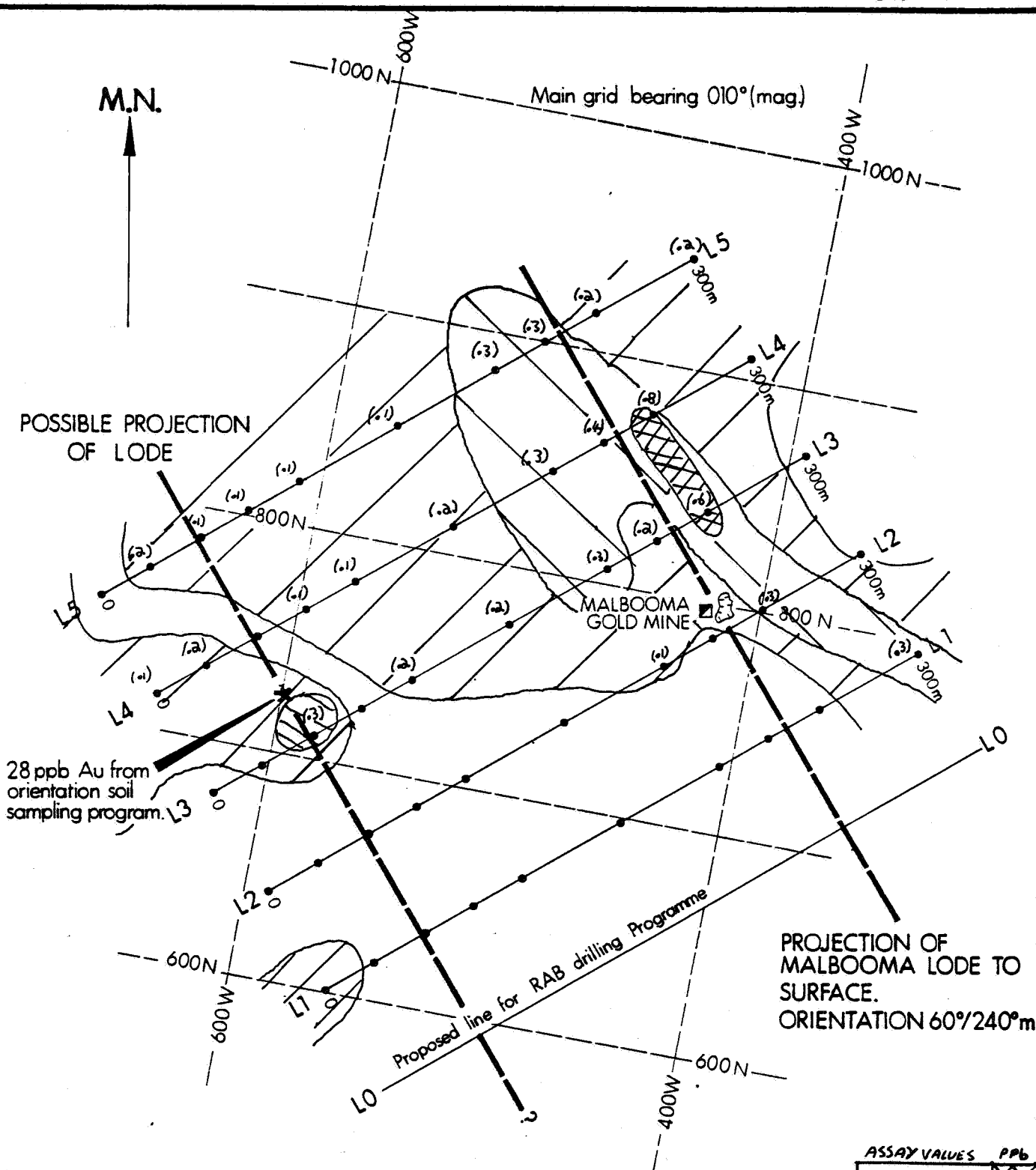
TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

ORIENTATION SOIL SAMPLE RESULTS (Gold plotted in ppb)

0376

AUTHOR.	DATE	
G CIRCOSTA	JAN '88	Figure 6



ASSAY VALUES	PPb
.5 - OVER	
.3 - .4	
.1 - .2	
BELOW .1	

Sample sites

0 50 100 METRES

LOCATION MAP



TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

DETAILED SOIL SAMPLING GRID MALBOOMA MINE AREA

AUTHOR.	DATE	
G. CIRCOSTA	JAN. '88	Figure 7

4400 N

3600 N

2800 N

2000 N

1200 N

400 N

14000 E

14800 E

15600 E

16400 E

17200 N

400 S

CONTOUR INTERVALS

> 1·0 ppb Au
0·5 — 1·0 ppb Au
0·3 — 0·5 ppb Au
< 0·3 ppb Au

SCALE 0 200 400 600 800 1000 METRES

G N
T N
15°

TARCOOLA GOLD LIMITED

MUCKANIPPIE E.L. 1375
LAKE BARRY SOIL SAMPLING
CONTOURED ASSAY DATA

GEO: T. Elberg	DATE : 18/4/88	PLAN N° 8
SCALE : 1: 10000	DRN: INTO Drafting	

6823-17

4.5.2 SAMPLING AT MALBOOMA

A follow-up programme of 50 samples on five lines was instigated around the old workings. The sample lines were orientated perpendicular to the Malbooma trend and therefore are oblique to the grid. Sample collection and analytical techniques was the same as for the orientation study. The results of this work is shown in Plan 7.

The results are more subdued than those from the orientation survey but reflect the same trends. An anomalous zone occurs over the northern extension of the Malbooma trend and significantly values immediately adjacent to the workings are relatively subdued.

A second but much lower-order anomaly occurs adjacent to the site of the extremely anomalous sample (28 ppb) from the orientation survey.

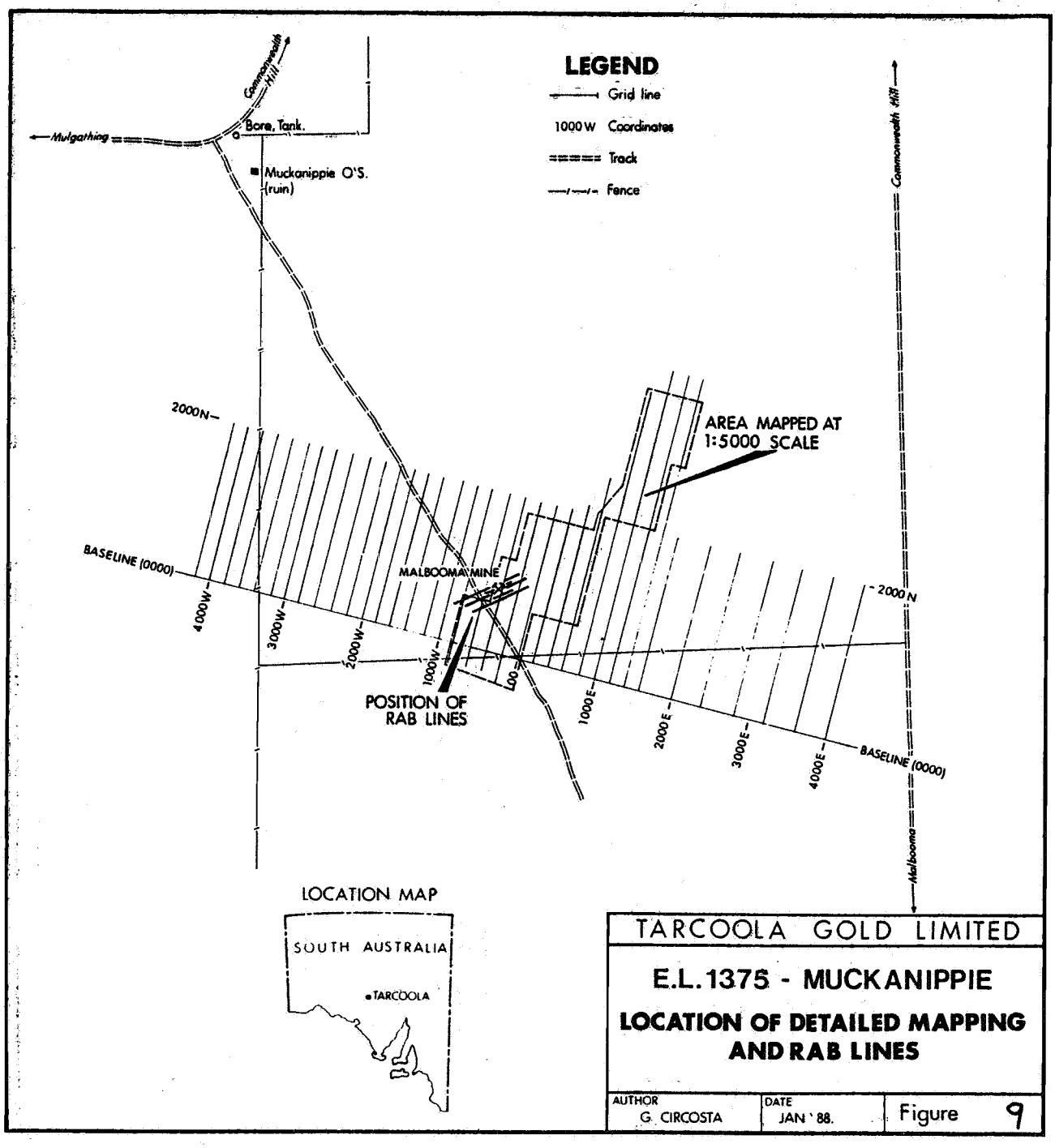
45.3 SAMPLING AT THE LAKE BARRY PROSPECT

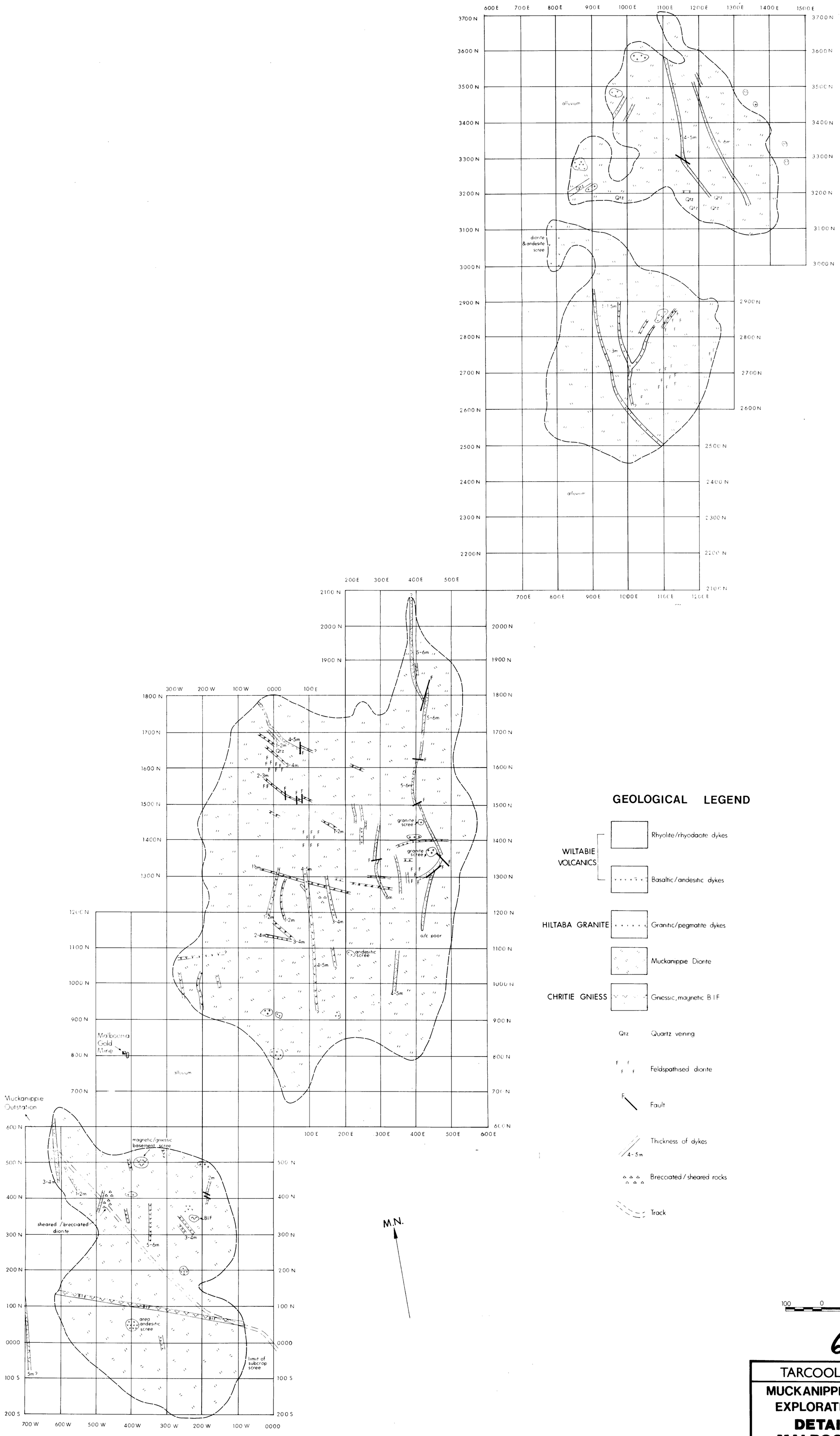
A total of 280 samples were collected from the eastern end of the grid, immediately north of Lake Barry (see Plan 8). This area is known as the Lake Barry Prospect and is presumed to be at least partly underlain by Muckanippie Diorite. Samples were collected at 100 metre intervals along 200 and 400 metre spaced grid lines, sample collection and analytical technique was the same as for the orientation survey. A number of isolated one to three point anomalies were outlined. The most substantial of these is an elongated north/north-east trending zone which contains the only three samples which contained greater that 1 ppb Au. The anomalous zone is approximately 1400 metres long and up to 200 metres wide.

4.6 MAPPING

Detailed mapping of outcrop areas within the main grid was instigated. To date the diorite outcrops to the south and north-east of the Malbooma Mine have been mapped. Mapping is being carried out to better understand the relationships of the intrusive rocks which outcrop in the area.

The area mapped is shown in Figures 9 and 10 . Outcrop is predominantly Muckanippie Diorite which is made up of a dark green to grey, coarse grained, plagioclase - hornblende diorite containing accessory ilmenite, magnetite and pyrite. This unit is thought to represent an intrusive phase of the Gawler Range Volcanics. It is recrystallised and often contains feldspathic alteration in irregular zones.


LEGEND
Grid line
1000W Coordinates
Track
Fence
Commonwealth Hill
Mulgathing
Bore, Tank.
Muckanippie O'S. (ruin)
2000N
AREA MAPPED AT 1:5000 SCALE
BASELINE (0000)
MALBOOMA MINE
4000W
3000W
2000W
1000W
LOO
POSITION OF RAB LINES
1000E
2000E
3000E
4000E
2000N
BASELINE (0000)
Malbooma
LOCATION MAP
SOUTH AUSTRALIA
TARCOOLA
TARCOOLA GOLD LIMITED
E.L.1375 - MUCKANIPPIE
LOCATION OF DETAILED MAPPING AND RAB LINES
AUTHOR
G. CIRCOSTA
DATE
JAN '88.
Figure 9



GEOLOGICAL LEGEND

- WILTABIE VOLCANICS
  - Rhyolite/rhyodacite dykes
  - Basaltic/andesitic dykes
- HILTABA GRANITE
  - Granitic/pegmatite dykes
- Muckanippie Diorite
- CHRITIE GNIESS
  - Gniessic, magnetic BIF
- Qtz — Quartz veining
- F F / F F — Feldspathised diorite
- F — Fault
- 4-5m — Thickness of dykes
- Brecciated / sheared rocks
- Track

M.N.

SCALE 1:5000

100 0 100 200 300 400

METRES

6823-18

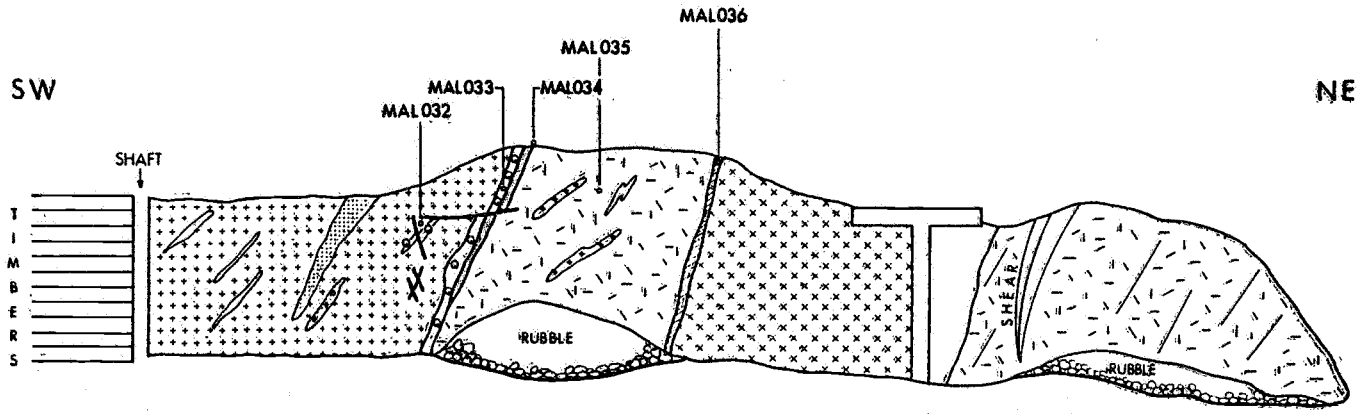
TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA

EXPLORATION LICENCE No. 1375

DETAILED GEOLOGY MALBOOMA MINE AREA

AUTHOR	DRAWN	DATE	
G CIRCOSTA	CARTO GRAPHICS	JAN '88	PLAN 10



WALL FACING NW

Granite gneiss, yellow brown, weathered, granitic veins trending 45° Minor Fe staining and gypsum coating on fractures parallel to veining.

Granite, white, kaolinitic highly weathered.

Ironstone, haematite-quartz dark brown.

Clean, white quartz vein. Talcose in part.

Granite, off white, bleached minor biotite, highly weathered.

Grey green and grey brown highly weathered sheared basic (?) with highly weathered feldspar lathes preserved. Muckanippie Diorite.

Quartz veining

Stockwork quartz

Green talcose mineral (talc ?)

Fractures

F—— Fault

METRES 0 1 2 3 4 METRES

LOCATION MAP



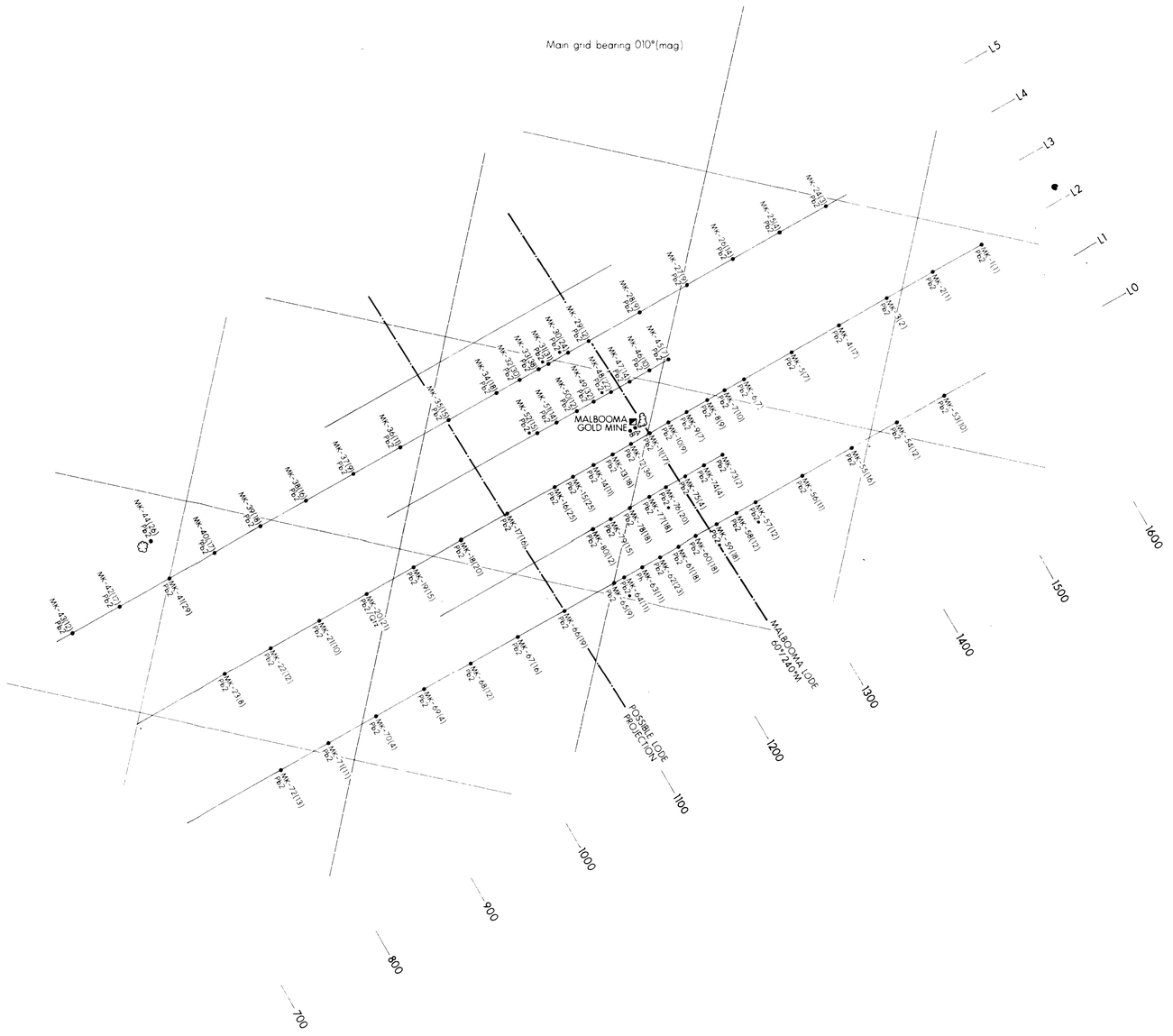
Modified after work by C.R.A.

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE MALBOOMA GOLDMINE

Geology

AUTHOR	DATE	
G CIRCOSTA	JAN '1988	Figure 11



LEGEND

- MK — Hole Number Prefix
- (10) — Depth of Hole
- ●A — MK-81(36)
- ●B — MK-82(32)
- ■ — Shaft
- Tailings Dump
- Projection of Lode
- Ph — Hitaba Granite
- Pb2 — Muckanippie Diorite
- Qtz — Quartz Veining
- * — Secondary Silicification + Epidote Alteration

M.N.

SCALE 1:2500

100 0 50 100 150 200
METRES

TARCOOLA GOLD LIMITED

MUCKANIPPIE, SOUTH AUSTRALIA
EXPLORATION LICENCE No. 1375

RAB DRILLHOLE LOCATIONS HOLES MK1-82

AUTHOR	DRAWN	DATE	PLAN
T ELBERG	CARTO GRAPHICS	JAN '88	12

6823-19

The Muckanippie Diorite is intruded by dykes of granite, basalt and acid volcanics. The granitic/pegmatitic dykes are a part of the Hiltaba Granite Suite and vary in grain size from very fine aplitic dykes to coarse pegmatite dykes. Granitic dykes trend in a west to north-west direction.

The basaltic and acid volcanic dykes are a part of the Wiltabbie Volcanics and are represented by :

1. black basaltic to andesitic dykes. Can be vesicular in places. Generally very thin and magnetic.

2. younger acid volcanics consisting of red to black rhydodacites to rhyolites (typical Gawler Range Volcanic dykes). These vary from very fine grained to coarsely porphyritic and can at times by very pyritic.

Dykes of the Wiltabbie Volcanics trend in a north-west to northerly direction.

The southern-most outcrop mapped also contains several outcrops of gneissic banded iron formation thought to be a part of the Archean Christie Gneiss which forms the Basement to the volcanic sequence. It is possible that these gneissic BIF's represent xenoliths within the intrusive Muckanippie Diorite.

In addition, underground face mapping was carried out at the Malbooma Workings. The result of this work is shown in Figure 11.

4.7 RAB DRILLING

A RAB Drilling programme, in which 82 holes totalling 1213 metres were drilled, was carried out in the area around the Malbooma Mine. The location of RAB lines is shown on Figures 9 and 12, the geology in Figures 13 - 17 and the geomchemical results in plans 18, 19 and 20.

The programmme was designed to test the main Malbooma Mine lode and possible extensions to this lode. A series of lines have been drilled at 20 and 50 metre spacing along five lines, across the direction of the lode.

Samples were generally collected from the top, middle and bottom of each hole, although four samples were collected from two holes. These samples were submitted to Comlabs for analysis of Au by Fire Assay.

4.7.1. RAB GEOLOGY

Line L0 - (Fig 13) a Diorite Basement with a weathering profile ranging from 0 to 11 metres. Acid intrusives occur as blobs from surface and to depths of 19 metres. Epidote occurs in fresh diorite at depths between 6 and 16 metres. Minor quartz veining occurs in four intersections and appears to be isolated.

Line L1 - (Fig 14) Diorite Basement fresh to the east with a weathering profile to a depth of 11 metres to the west. A minor acid intrusive lies along the weathering horizon from surface level. Once again isolated vein quartz occurs.

Line L2 - (Fig 15) Diorite Basement with a weathering profile from surface level to 17 metres. Acid intrusives occur near the centre of the line and appear to be controlled by a possible fissure. Diorite in this area is also weathered to a depth of 17 metres so may be related to fractures associated with the intrusion. Quartz veining is minor and isolated.

Line L3 - (Fig 16) Diorite Basement with weathering horizon from 4 to 20 metres. Most of the area is overlain by an acid intrusive, with epidote alteration underlying this in places and thus may be directly related. No vein quartz.

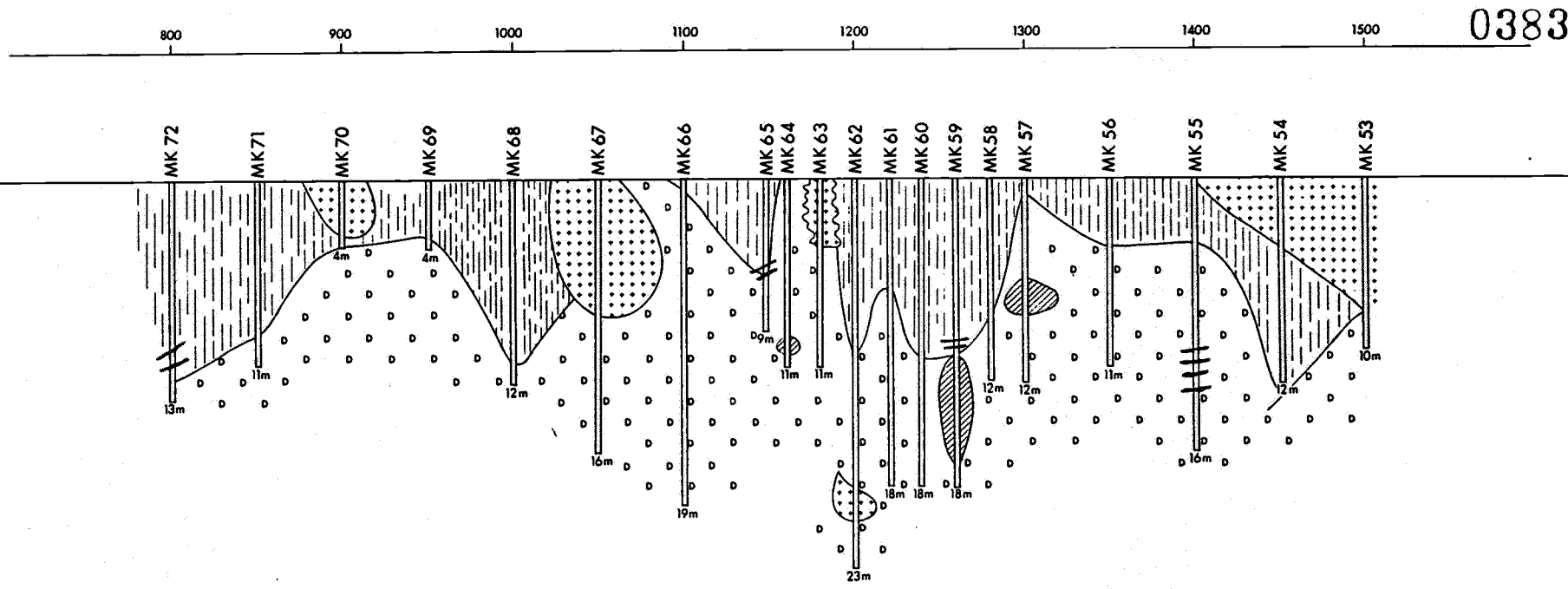
Line L4 - (Fig 17) Diorite Basement, Complex area of acid intrusives once again seen rising from a possible fissure. Weathering profile ranges from surface to 25 metres. Epidote alteration observed underlying the acid intrusive along the possible fissure plane. Minor vein quartz is once again isolated.

4.7.2 RAB GEOCHEMISTRY

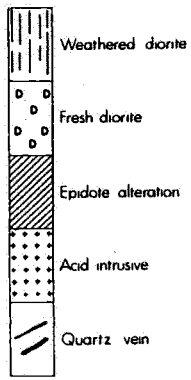
The majority of assay values were low with 25 of the 82 holes returning gold values below the .01ppm detection limit. The remaining holes assayed between .01 and .08ppm, with the exception on MK12 and MK13. M12 was collared about 20 metres west of the Malbooma Shaft and returned gold values of 0.8 g/t (0.5 - 30 metre composite sample), 1.44 g/t (30 - 34 metres) and 3.3 g/t (34 - 36 metres EOH sample). From 30 - 36 metres the hole drilled through a quartz vein which is probably the down-dip extension of the quartz reef found in the Malbooma Mine. All intervals from MK12 were re-analysed and the results shown in Figure 21. This hole contains an interval of 16 metres @ 1.19 g/t Au (including 2 metres @ 1.62 g/t and 4 metres @ 3.00 g/t Au).

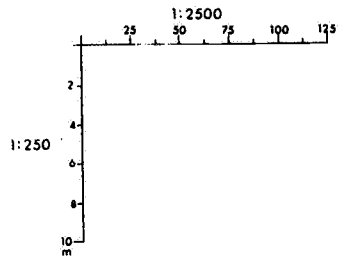
M13 returned a value of 0.11ppm Au from the surface sample.

0383



GEOLOGICAL LEGEND





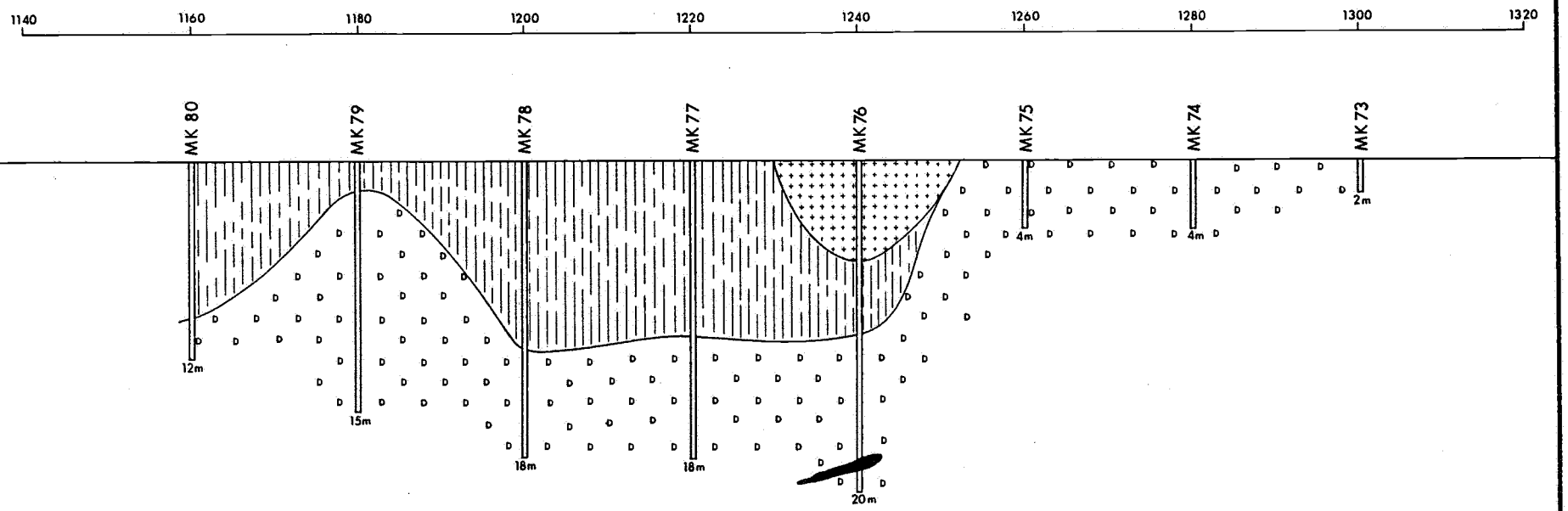
LOCATION MAP



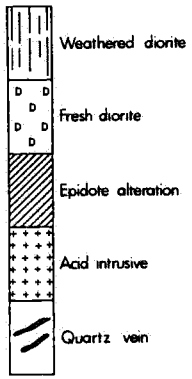
TARCOOLA GOLD LIMITED

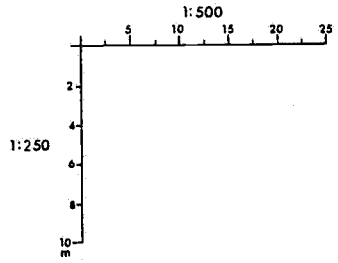
E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE LO
HOLES MK 53-72

AUTHOR	DATE	
T. ELBERG	JAN ' 1988	Figure 13



GEOLOGICAL LEGEND





LOCATION MAP



TARCOOLA GOLD LIMITED

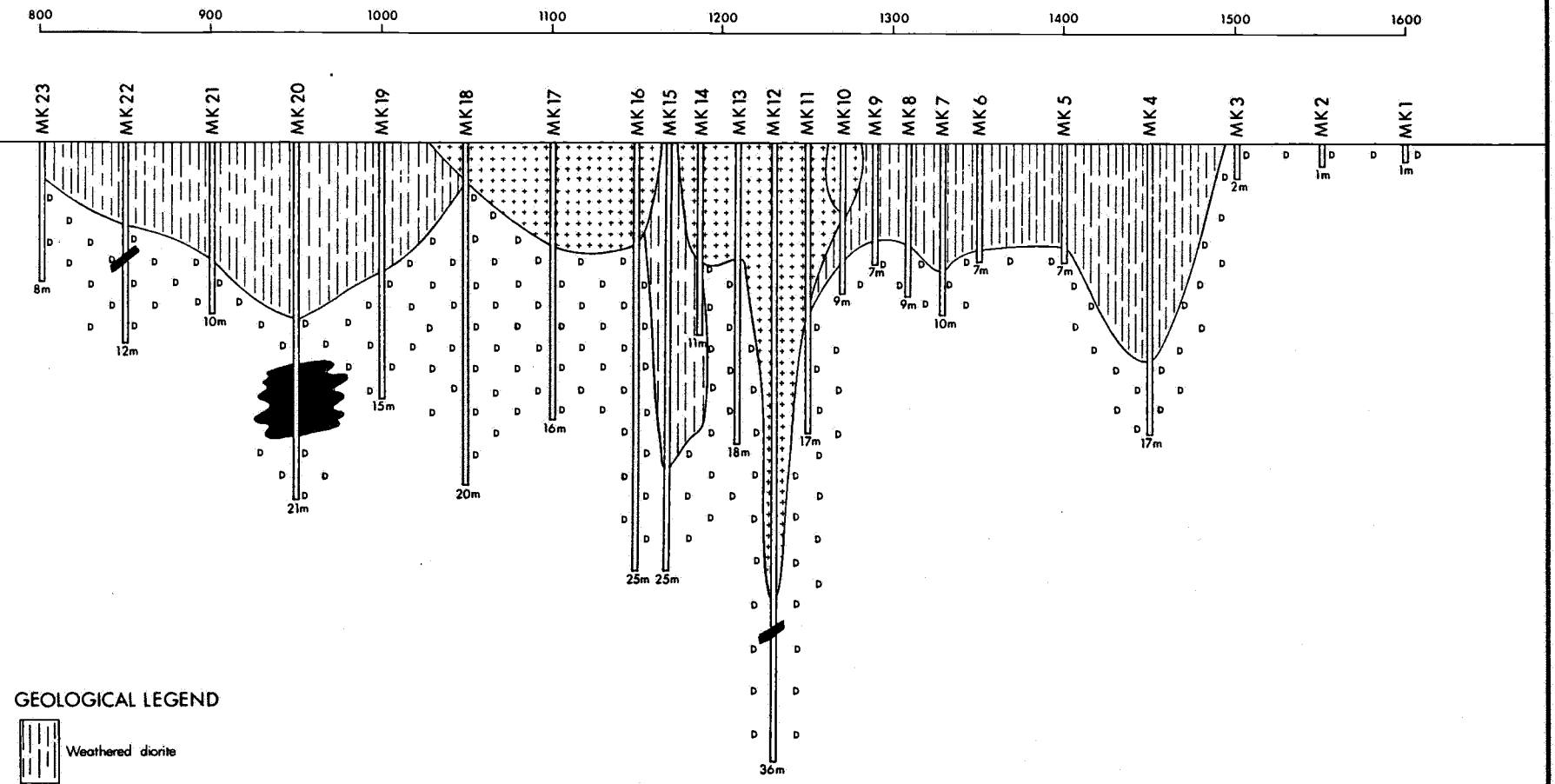
E.L.1375 - MUCKANIPPIE

RAB DRILLHOLE PROFILES

LINE L1

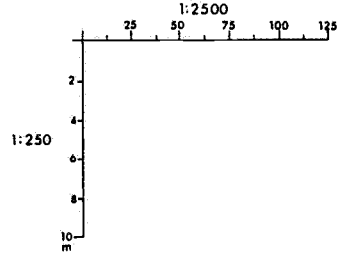
HOLES MK 73-80

AUTHOR	DATE	
T. ELBERG	JAN ' 1988	Figure 14



GEOLOGICAL LEGEND

- Weathered diorite
- Fresh diorite
- Epidote alteration
- Acid intrusive
- Quartz vein



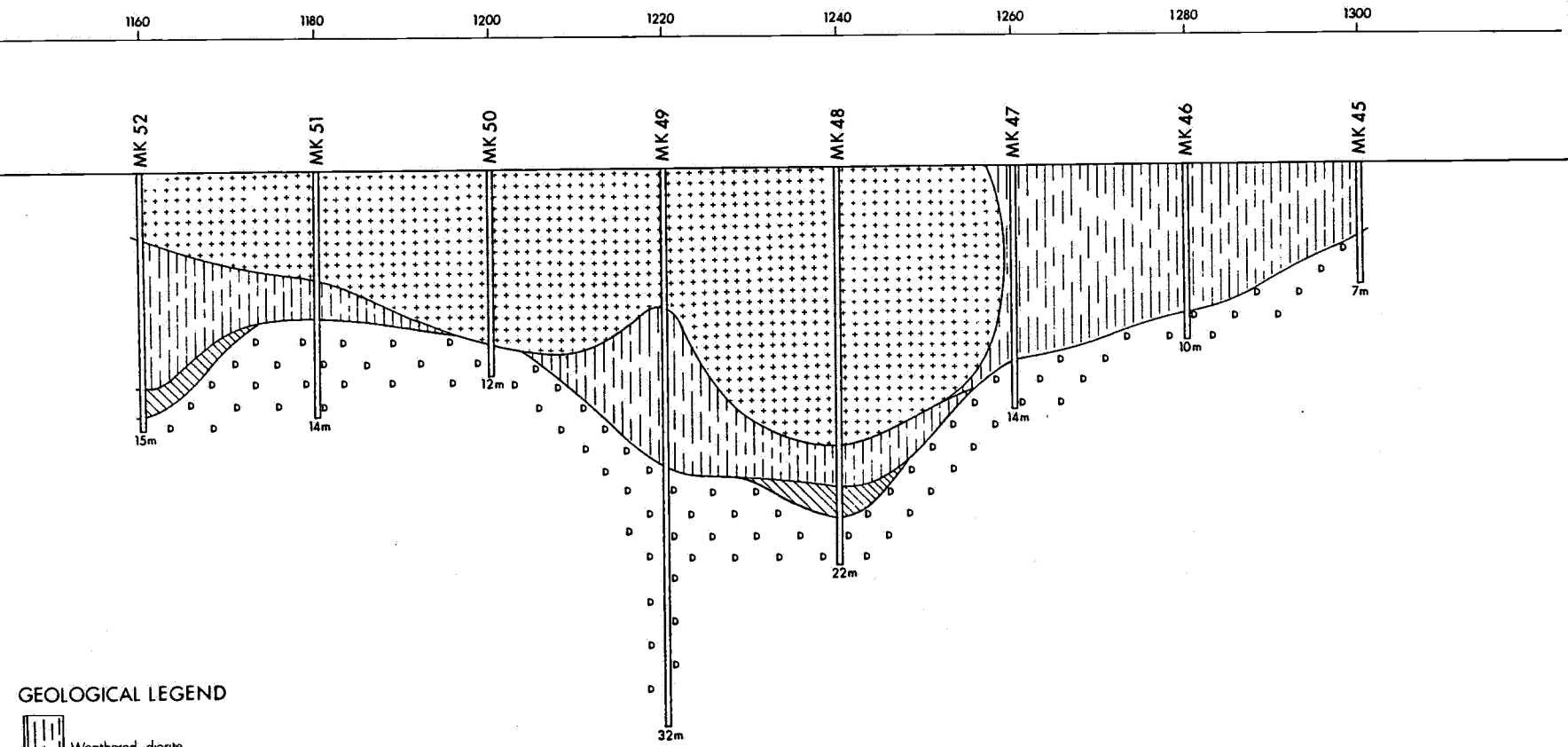
LOCATION MAP



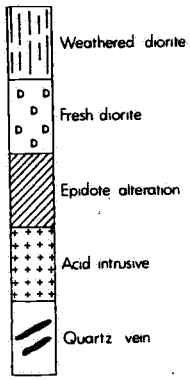
TARCOOLA GOLD LIMITED

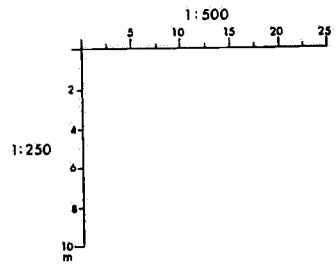
E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L2
HOLES MK 1-23

AUTHOR	DATE	
T. ELBERG	JAN ' 1988	Figure 15



GEOLOGICAL LEGEND





LOCATION MAP



TARCOOLA GOLD LIMITED

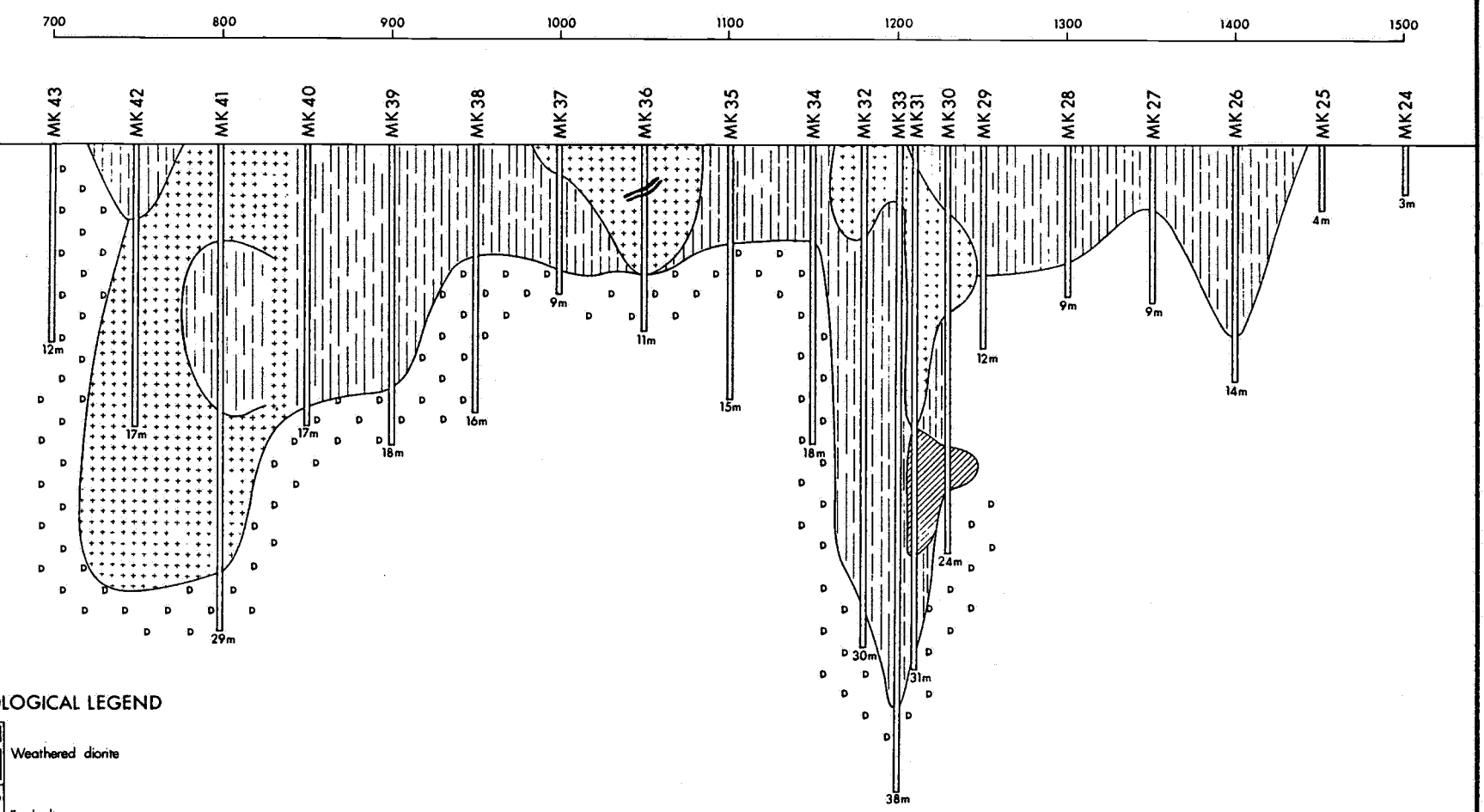
E.L.1375 - MUCKANIPPIE

RAB DRILLHOLE PROFILES

LINE L3

HOLES MK 45-52

AUTHOR	DATE	
T. ELBERG	JAN ' 1988	Figure 16



LOGICAL LEGEND

- Weathered diorite
- Fresh diorite
- Epidote alteration
- Acid intrusive
- Quartz vein

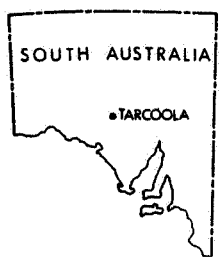
1:2500

25 50 75 100 125

1:250

2 4 6 8 10 m

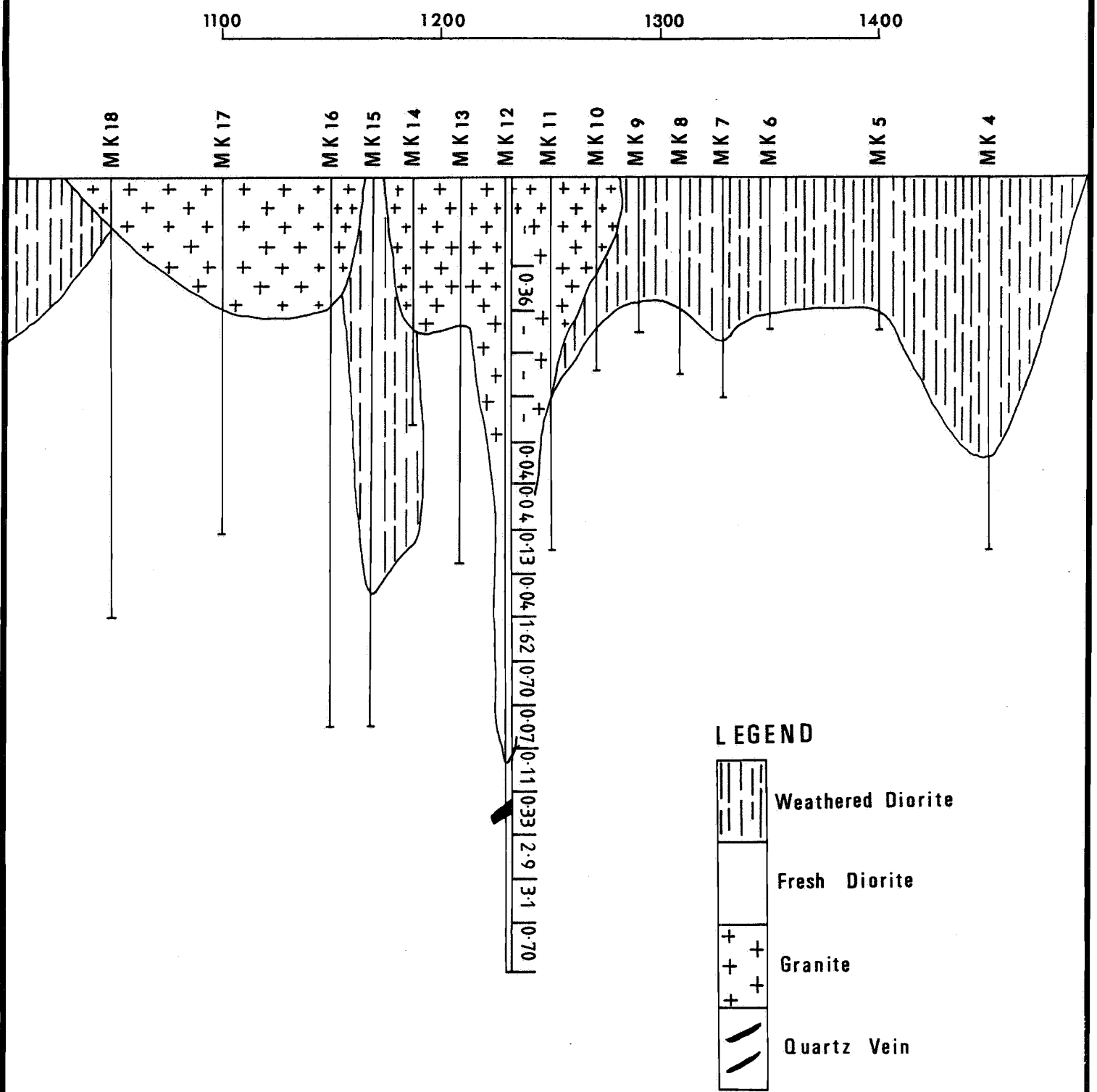
LOCATION MAP



TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE
RAB DRILLHOLE PROFILES
LINE L4
HOLES MK 24-43

AUTHOR.	DATE	
T. ELBERG	JAN ' 1988	Figure 17



1:2500
25 50 75 100

1:250
2
4
6
8

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

RAB DRILLHOLE PROFILES

LINE L2

HOLES MK 4-18

AUTHOR	DATE	
J.Gum	July 1988	Figure 21

4.8 GROUND MAGNETICS

A ground magnetometer survey has recently been completed in the area around the Malbooma workings. The results are still being compiled and interpreted.

APPENDIX 1

SAMPLE NO.	AU (ppm)	ROCK TYPE	LOCATION
MGM1	<0.01	Altered diorite	Malbooma Mine dump
MGM2	<0.01	Acid igneous rock?	Malbooma Mine dump
MGM3	11.00	Quartz Reef	Malbooma Mine dump
MGM4	0.87	Quartz Reef	Malbooma Mine dump
MGM5	6.30	Quartz Reef	Malbooma Mine dump
MGM6	5.00	Quartz Reef	Malbooma Mine dump
M1Q	<0.01	Ealbara Rhyolite/qtz float	
M1R	<0.01	Ealbara Rhyolite/qtz float	
M2Q	<0.01	Ealbara Rhyolite/qtz float	
M3Q	<0.01	Ealbara Rhyolite/qtz float	
M3R	<0.01	Ealbara Rhyolite/qtz float	
M4Q1	0.07	Large area of quartz float	1.5km N White Nose Bore
M4Q2	<0.01	Large area of quartz float	1.5km N White Nose Bore
M5Q	<0.01	Qtz float	
M6Q	0.73	Quartz	Malbooma Mine, Pits .5km W
M6R	<0.01	Dyke	Malbooma Mine, Pits .5km W

APPENDIX 1 (cont.)

SAMPLE NO.	AU (ppm)	ROCK TYPE	LOCATION
M7R	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M8R	0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M9R	0.06	Sheared diorite & dyke	E of Malbooma Au Mines
M10	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M11Q	0.04	Qtz float	E of Malbooma Au Mines
M12Q	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M13Q	<0.01	Diorite & dyke outcrop	E of Malbooma Au Mines
M14T	<0.01	Tuff/ignimbrite	W of Pegler Bore
M14V	<0.01	Porphyry	W of Pegler Bore
PB1	0.04	Sheared granite	E of Pegler Bore
PB2	<0.01	Sheared granite + Qtz	E of Pegler Bore
MAL1	0.18	Kaolinitic weathered wallrock	Malbooma Mine dump
MAL2	21.3	Green epidotic V.Q. with pyritic fractures	Malbooma Mine dump
MAL3	5.6	Blue-grey vein quartz	Malbooma Mine dump
MAL4	0.31	Kaolinitic weathered wall rock	Malbooma Mine dump

APPENDIX 1 (cont.)

SAMPLE NO.	AU (ppm)	ROCK TYPE	LOCATION
MAL5	1.02	Brown ferrugenious VQ & brown clay	Malbooma Mine dump
MAL6	3.1	White & blue-grey VQ with brown ferrugenious staining & minor pyrite	Malbooma Mine dump
MAL7	5.3	White & blue-grey VQ with brown ferrugenious staining & minor pyrite	Malbooma Mine dump
MAL008	<0.01	Course grained recrystalized diorite Feldspathic, chloritic & actinolite rich	Just South of Pedler Bore
MAL009	<0.01	Fine grained aplitic dyke	Just South of Pedler Bore
MAL010	<0.01	Aplitic dyke	Just South of Pedler Bore
MAL011	<0.01	Course grained granite with actin-olite & epidote	Just South of Pedler Bore
MAL012	<0.01	Quartz Vein	Just South of Pedler Bore
MAL013	0.04	BIF - quartz/ magnetite feldspar rock	Pit west of Malbooma Mine
MAL014	0.02	recrystallised diorite	"
MAL015	<0.01	pyritic iron-rich quartz vein	2km NE Pedler Bore
MAL016	0.02	silicified quartz vein material	"
MAL017	0.03	sheared granitic rock, quartz(+ pyrite) veins	"
MAL018	<0.01	limonitic (after pyrite) quartz vein	"

APPENDIX 1 (cont.)

SAMPLE NO.	AU (ppm)	ROCK TYPE	LOCATION
MAL019	<0.01	iron-rich quartz vein in diorite	North of Lake Barry
MAL020	<0.01	sheared diorite	1200E/3160N
MAL021	<0.01	quartz scree	"
MAL022	0.02	feldspar porphyry. Pyritic	1270E/3300N
MAL023	0.03	quartz vein within granite	1170E/3200N
MAL024	0.03	Granite to pegmatite vein	"
MAL025	0.02	Epidotised, pyritic, magnetite bearing diorite	"
MAL026	<0.01	Magnetite bearing diorite	1400E/3300N
MAL027	0.02	Brecciated, sheared, magnetite rich diorite	1000E/3400N
MAL028	0.03	Vesicular basalt intruding diorite	1000E/2850N
MAL029	0.02	Quartz vein along small fault	400E/1800N
MAL030	<0.01	Pyritic, intrusive rhyolite/rhyodacite	"
MAL031	0.02	Intrusive pegmatitic vein	0000/1305N
MAL032	0.54	Limonitic quartz vein in biotitic of granite	In drive Malbooma Gold Mine
MAL033	0.13	Quartz lode (talcose in part)	"
MAL034	0.07	Ferruginous zone adjacent to above quartz vein	"

APPENDIX 1 (cont.)

SAMPLE NO.	AU (ppm)	ROCK TYPE	LOCATION
MAL035	0.56	Kaolinised - bleached rock. (? weathered diorite)	"
MAL036	0.,09	Talcose shear zone at diorite/ granite contract	"
MAL037	<0.01	Pyritic (1-1.5%), coarsely recrystallised diorite	1030E/2630N
MAL038	<0.01	Feldspathised diorite	"
MAL039	<0.01	Silicified, brecciated, biotitic, diorite(?)	80E/1400N
MAL040	<0.01	Sheared, andesitic rock.	180E/1290N
MAL041	<0.01	Sheared granite (Hiltaba Granite)	200W/500N
MAL042	<0.01	Sheared, brecciated diorite	450W/400N
MAL043	<0.01	Aplitic Granite	3km North Lake Barry
MAL044	<0.01	Contact of granite and meta-andesite	"
MAL045	<0.01	Biotitic meta andesite	"
MAL046	<0.01	Recrystallised, biotitic diorite"	"

ANALYTICAL REPORT

SAMPLE	AU	AU Dp1	Au Dp2	Au Dp3	Sb	As	Mo	W
MAL 1	0.18	-	-	-	<4	9	14	<10
MAL 2	21.3	22.5	20.0	21.5	10	9	16	<10
MAL 3	5.6	5.3	5.9	-	4	6	24	<10
MAL 4	0.31	-	-	-	4	4	<2	10
MAL 5	1.02	0.78	1.35	0.92	8	10	5	15
MAL 6	3.1	3.4	2.9	-	<4	6	12	<10
MAL 7	5.3	5.4	5.3	-	4	5	10	<10
MAL 008	<0.01	-	-	-	10	5	2	<10
MAL 009	<0.01	-	-	-	6	3	8	<10
MAL 010	<0.01	-	-	-	<4	6	6	10
MAL 011	<0.01	-	-	-	6	4	<2	10
MAL 012	<0.01	-	-	-	6	5	14	<10
MAL 013	0.04	0.03	0.04		4	4	<2	<10
MAL 014	0.02	-	-		<4	<2	5	10
MAL 015	<0.01	-	-		6	2	8	<10
MAL 016	0.02	-	-		6	4	9	<10
MAL 017	0.03	0.02	0.03		<4	<2	7	<10
MAL 018	<0.01	-	-		6	<2	12	<10
MAL 019	<0.01	-	-		4	16	10	<10
MAL 020	<0.01	-	-		<4	3	<2	<10
MAL 021	<0.01	-	-		<4	5	12	<10
MAL 022	0.02	<0.01	0.04		8	<2	9	<10

ANALYTICAL REPORT

SAMPLE	AU	AU	Dp1	Au	Dp2	Au	Dp3	Sb	As	Mo	W
MAL 023	0.03		<0.01		0.05			<4	<2	7	<10
MAL 024	0.03		-		-			8	10	4	<10
MAL 025	0.02		-		-			<4	<2	3	<10
MAL 026	<0.01		-		-			14	3	2	<10
MAL 027	0.02		<0.01		0.04			10	3	<2	<10
MAL 028	0.03		-		-			4	2	<2	<10
MAL 029	0.02		-		-			<4	6	6	<10
MAL 030	<0.01		-		-			4	<2	3	10
MAL 031	0.02		-		-			<4	<2	2	<10
MAL 032	0.54		0.46		0.58			2	6	18	<10
MAL 033	0.13		-		-			2	<4	12	<10
MAL 034	0.07		-		-			5	8	<2	<10
MAL 035	0.56		-		-			<2	12	2	<10
MAL 036	0.09		-		-			<2	4	<2	<10
MAL 037	<0.01		-		-			<2	<4	<2	<10
MAL 038	<0.01		-		-			<2	6	2	<10
MAL 039	<0.01		-		-			4	4	<2	<10
MAL 040	<0.01		-		-			<2	4	<2	<10
MAL 041	<0.01		-		-			<2	4	4	<10
MAL 042	<0.01		<0.01		<0.01			<2	6	3	<10
MAL 043	<0.01		-		-			4	8	3	<10
MAL 044	<0.01		-		-			<2	8	2	<10
MAL 045	<0.01		<0.01		<0.01			7	8	2	<10
MAL 046	<0.01		-		-			8	12	<2	<10

L5 L4 L3 L2 L1 L0

M.N.

Main grid bearing 010°(mag.)

MAGNETIC FAULT

MALBOOMA GOLD MINE AREA

MALBOOMA LODE 60°/240°M

POSSIBLE LODE PROJECTION

MK-1(1)(.01) Pb2
MK-2(1)(.01) Pb2
MK-3(2)(.02) Pb2
MK-4(17)(.02) Pb2
MK-5(7)(.02) Pb2
MK-6(7) .01 Pb2
MK-7(10)(.03) Pb2
MK-8(9)(.02) Pb2
MK-9(7)(.03) Pb2
MK-10(9)(.01) Pb2
MK-11(17)(.03) Pb2
MK-12(36)(.01) Pb2
MK-13(18)(.11) Pb2
MK-14(11)(.04) Pb2
MK-15(25)(.01) Pb2
MK-16(25)(.02) Pb2
MK-17(16)(.03) Pb2
MK-18(20)(.02) Pb2
MK-19(15) Pb2
MK-20(21)(.01) Pb2/Qtz
MK-21(10)(.02) Pb2
MK-22(12) Pb2
MK-23(8)(.02) Pb2

MK-24(3)(.02) Pb2
MK-25(4)(.02) Pb2
MK-26(14)(.02) Pb2
MK-27(9) Pb2
MK-28(9)(.02) Pb2
MK-29(12) Pb2
MK-30(24)(.01) Pb2*
MK-31(31) Pb2*
MK-33(38)(.01) Pb2
MK-32(30) Pb2
MK-34(18)(.03) Pb2
MK-35(15)(.02) Pb2
MK-36(11) Pb2
MK-37(9)(.01) Pb2
MK-38(16)(.01) Pb2
MK-39(18) Pb2
MK-40(17)(.01) Pb2
MK-44(26) Pb2
MK-41(29) Pb2
MK-42(17) Pb2
MK-43(12) Pb2

MK-45(7)(.01) Pb2
MK-46(10) Pb2
MK-47(14)(.12)(.01) Pb2
MK-48(22) Pb2*
MK-49(32) Pb2
MK-50(12) Pb2
MK-51(14) Pb2
MK-52(15) Pb2*

MK-53(10) Pb2
MK-54(12) Pb2
MK-55(16) Pb2
MK-56(11) Pb2
MK-57(12) Pb2*
MK-58(12)(.08) Pb2
MK-59(18) Pb2*
MK-60(18) Pb2
MK-61(18)(.01) Pb2
MK-62(23) Pb2
MK-63(11) Ph
MK-64(11) Pb2*
MK-65(9) Pb2
MK-66(19) Pb2
MK-67(16) Pb2
MK-68(12) Pb2
MK-69(4) Pb2
MK-70(4) Pb2
MK-71(11) Pb2
MK-72(13) Pb2

MK-73(2) Pb2
MK-74(4) Pb2
MK-75(4) Pb2
MK-76(20) Pb2*
MK-77(18)(.03) Pb2
MK-78(18)(.01) Pb2
MK-79(15)(.01) Pb2
MK-80(12)(.03) Pb2

1600 1500 1400 1300 1200 1100 1000 900 800 700

TARCOOLA GOLD LIMITED

E.L. 1375 - MUCKANIPPIE

TOP HOLE GOLD ASSAY RESULTS (PPM)

MALBOOMA MINE AREA

AUTHOR	DATE	SCALE	
TELBERG	JAN 88	1:2500	Figure 18

0397

L5 L4 L3 L2 L1 L0

M.N.

Main grid bearing 010°(mag.)

MAGNETIC FAULT

MALBOOMA GOLD MINE

MALBOOMA LODE
60°/240°M

POSSIBLE LODE PROJECTION

MK-1(1) Pb2
MK-2(1) Pb2
MK-3(2) Pb2
MK-4(17)(.02) Pb2
MK-5(7)(.02) Pb2
MK-6(7)(.02) Pb2
MK-7(10)(.02) Pb2
MK-8(9)(.02) Pb2
MK-9(7)(.03) Pb2
MK-10(9)(.04) Pb2
MK-11(17)(.03) Pb2
MK-12(36)(.8) Pb2
MK-13(18)(.02) Pb2
MK-14(11)(.02) Pb2
MK-15(25)(.02) Pb2
MK-16(25)(.04) Pb2
MK-17(16)(.02) Pb2
MK-18(20)(.02) Pb2
MK-19(15)(.01) Pb2
MK-20(21)(.01) Pb2/Qtz
MK-21(10)(.01) Pb2
MK-22(12)(.03) Pb2
MK-23(8)(.02) Pb2

MK-24(3) Pb2
MK-25(4) Pb2
MK-26(14)(.02) Pb2
MK-27(9)(.01) Pb2
MK-28(9)(.01) Pb2
MK-29(12)(.01) Pb2
MK-30(24)(.01) Pb2*
MK-31(31)(.03) Pb2*
MK-33(38)(.03) Pb2
MK-32(30)(.02) Pb2
MK-34(18)(.01) Pb2
MK-35(15)(.01) Pb2
MK-36(11)(.01) Pb2
MK-37(9)(.02) Pb2
MK-38(16)(.01) Pb2
MK-39(18) Pb2
MK-40(17) Pb2
MK-41(29) Pb2
MK-42(17) Pb2
MK-43(12) Pb2
MK-44(26) Pb2
MK-45(7)(.01) Pb2
MK-46(10)(.04) Pb2
MK-47(14)(.12) Pb2
MK-48(22)(.06) Pb2*
MK-49(32) Pb2
MK-50(12) Pb2
MK-51(14)(.01) Pb2
MK-52(15)(.02) Pb2*

MK-53(10) Pb2
MK-54(12) Pb2
MK-55(16) Pb2
MK-56(11) Pb2
MK-57(12) Pb2*
MK-58(12) Pb2
MK-59(18)(.01) Pb2*
MK-60(18) Pb2
MK-61(18)(.01) Pb2
MK-62(23) Pb2
MK-63(11) Ph
MK-64(11) Pb2*
MK-65(9) Pb2
MK-66(19) Pb2
MK-67(16) Pb2
MK-68(12) Pb2
MK-69(4) Pb2
MK-70(4)(.18) Pb2
MK-71(11) Pb2
MK-72(13) Pb2

MK-73(2) Pb2
MK-74(4) Pb2
MK-75(4) Pb2
MK-76(20)(.01) Pb2*
MK-77(18)(.03) Pb2
MK-78(18)(.02) Pb2
MK-79(15)(.02) Pb2
MK-80(12)(.01) Pb2

1600
1500
1400
1300
1200
1100
1000
900
800
700

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE
MID HOLE COMPOSITE GOLD ASSAY RESULTS (PPM)
MALBOOMA MINE AREA

0398

AUTHOR	DATE	SCALE	FIGURE
TELBERG	JAN 88	1:2500	19

L5 L4 L3 L2 L1 L0

M.N.

Main grid bearing 010°(mag.)

MK-1(1)(.01) Pb2
MK-2(1) Pb2
MK-3(2) Pb2
MK-4(17)(.02) Pb2
MK-5(7)(.03) Pb2
MK-6(7)(.03) Pb2
MK-7(10)(.02) Pb2
MK-8(9)(.03) Pb2
MK-9(7)(.01) Pb2
MK-10(9)(.01) Pb2
MK-11(17)(.03) Pb2
MK-12(36)(.44) Pb2
MK-13(18)(.03) Pb2
MK-14(11)(.01) Pb2
MK-15(25)(.02) Pb2
MK-16(25)(.01) Pb2
MK-17(16)(.02) Pb2
MK-18(20)(.01) Pb2
MK-19(15)(.01) Pb2
MK-20(21)(.02) Pb2/Qtz
MK-21(10)(.01) Pb2
MK-22(12)(.01) Pb2
MK-23(8)(.03) Pb2

MK-24(3)(.02) Pb2
MK-25(4) Pb2
MK-26(14)(.01) Pb2
MK-27(9)(.01) Pb2
MK-28(9)(.01) Pb2
MK-45(7) Pb2
MK-46(10) Pb2
MK-47(14)(.03) Pb2
MK-29(12) Pb2
MK-48(22) Pb2*
MK-30(24)(.01) Pb2*
MK-49(32) Pb2
MK-31(31)(.01) Pb2*
MK-50(12) Pb2
MK-33(38)(.02) Pb2
MK-51(14) Pb2
MK-32(30)(.01) Pb2
MK-52(15) Pb2*
MK-34(18) Pb2
MK-35(15) Pb2
MK-36(11)(.01) Pb2
MK-37(9) Pb2
MK-38(16)(.02) Pb2
MK-39(18) Pb2
MK-40(17)(.01) Pb2
MK-44(26) Pb2
MK-41(29) Pb2
MK-42(17) Pb2
MK-43(12) Pb2

MK-53(10) Pb2
MK-54(12) Pb2
MK-55(16) Pb2
MK-56(11) Pb2
MK-57(12) Pb2*
MK-58(12) Pb2
MK-59(18) Pb2*
MK-60(18) Pb2
MK-61(18) Pb2
MK-62(23) Pb2
MK-63(11) Ph
MK-64(11) Pb2*
MK-65(9) Pb2
MK-66(19) Pb2
MK-67(16) Pb2
MK-68(12) Pb2
MK-69(4) Pb2
MK-70(4) Pb2
MK-71(11) Pb2
MK-72(13) Pb2

MK-73(2) Pb2
MK-74(4) Pb2
MK-75(4) Pb2
MK-76(20)(.03) Pb2*
MK-77(18)(.03) Pb2
MK-78(18)(.02) Pb2
MK-79(15)(.02) Pb2
MK-80(12) Pb2

MALBOOMA LODE 60°/240°M

POSSIBLE LODE PROJECTION

MALBOOMA GOLD MINE

1600 1500 1400 1300 1200 1100 1000 900 800 700

TARCOOLA GOLD LIMITED

E.L.1375 - MUCKANIPPIE

BOTTOM HOLE GOLD ASSAY RESULTS(ppm)

MALBOOMA MINE AREA

AUTHOR	DATE	SCALE	FIGURE
T. ELBORO	JAN 88	1:2500	20

0399