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EL 2685

YUMBARRA

ANNUAL REPORTS TO LICENCE SURRENDER FOR THE PERIOD 5/1/2000 TO 4/1/2003

Submitted by
Dominion Gold Operations Pty Ltd
2003

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PRIMARY INDUSTRIES AND RESOURCES SA

DOMINION GOLD OPERATIONS PROPRIETARY LIMITED

A.C.N. 000 715 882

RESOLUTE RESOURCES LIMITED

A.C.N. 009 121 662

YUMBARRA EL 2685

SOUTH AUSTRALIA

FIRST ANNUAL REPORT

FOR THE PERIOD
5 JANUARY 2000 - 4 JANUARY 2001

PRIMARY INDUSTRIES &
23 MAY 2001
MINERAL RESOURCES

1:250,000 Map Sheet Reference
FOWLER SH 53-13

1:100,000 Map Sheet References
Penong 5534
Poondinga 5535

Compiled by
T. Birt
P. Robinson
R. Coats
May 2001

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1. INTRODUCTION

Exploration on EL 2685 during the first year of tenure involved regional and infill calcrete geochemical sampling, regional and infill soil geochemical sampling, an airborne EM survey, an IP geophysical survey and a TEM geophysical survey

As precursors to exploration commencing, separate biological assessment and heritage site clearance surveys were conducted.

2. LOCATION AND ACCESS

Exploration Licence 2685 ("Yumbarra") is located approximately 70 kilometres north west of Ceduna on the western Eyre Peninsula, South Australia (Figure 1). The Yumbarra prospect area is located within the central part of the Yumbarra Conservation Park (Figure 2) and occupies a broad, low amplitude hill flanked by east to south east striking sand dunes. The prospect area covers approximately 10 square kilometres of mallee dominant vegetation which was once typical of the western Eyre Peninsula prior to agricultural development of the region.

Access to the prospect area is via the Eyre Highway, west for approximately 40 kilometres from Ceduna onto a formed gravel road for 10 kilometres to the southern vermin proof fence. Access from the vermin proof fence is via an existing unauthorized track now under the control of National Parks and Wildlife. This track runs along the northern side of the fence for approximately 5 kilometres then extends northward approximately 15 kilometres to the area of activities.

3. TENURE

Exploration Licence 2685 "Yumbarra" covering 380 square kilometres was granted to Dominion Gold Operations Pty. Ltd. (a wholly owned subsidiary of Dominion Mining Limited) and Resolute Resources Ltd. (a wholly owned subsidiary of Resolute Limited) for a period of 2 year commencing 5 January 2000.

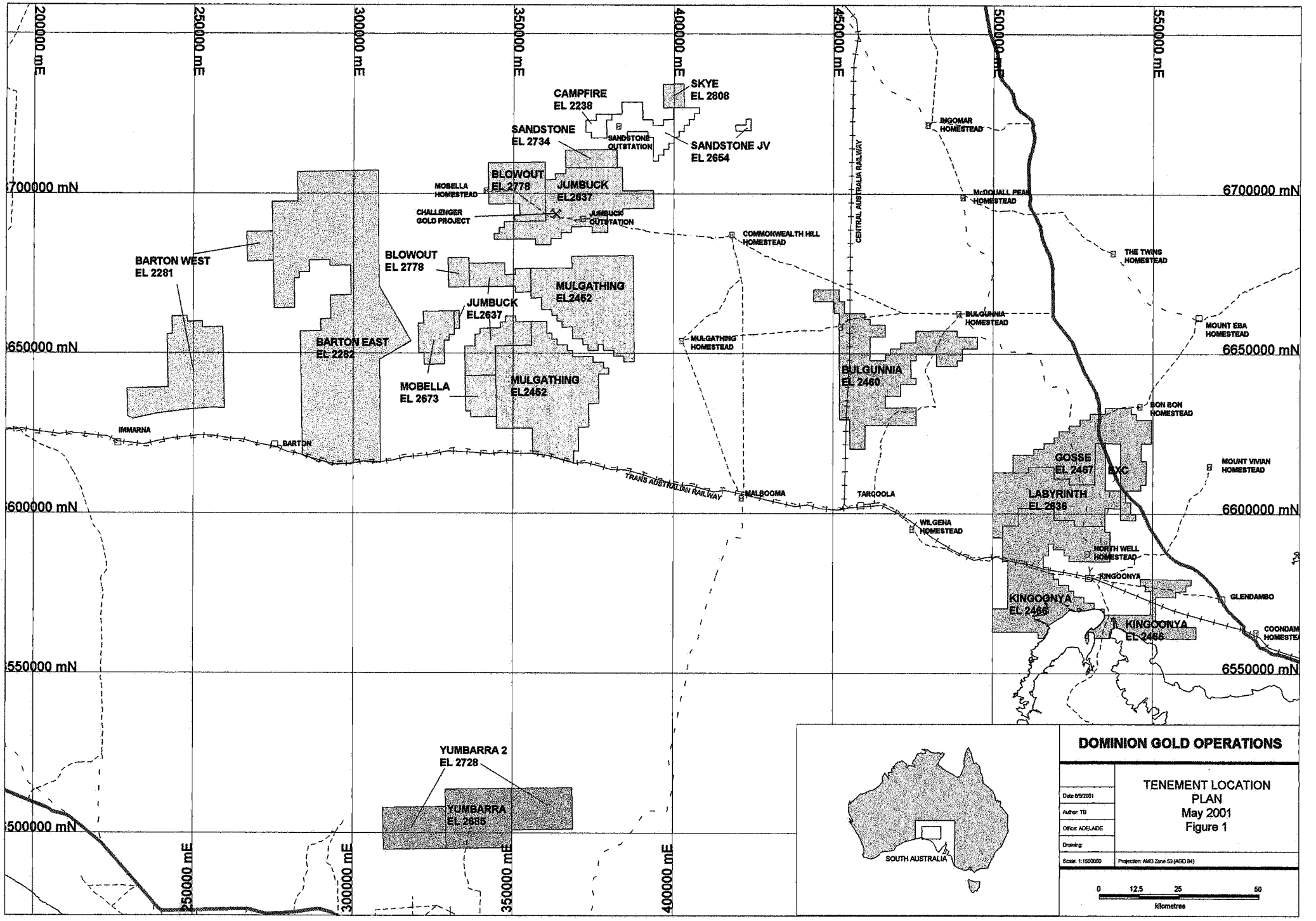
The tenement is part of the Gawler Joint Venture between Dominion Gold Operations Pty. Ltd. and Resolute Resources Ltd., with Resolute being the manager until 4 December 2000. Dominion took over management from that date.

4. GEOLOGY

Outcrop within the EL is unrecorded with the surface being dominated by aeolian sand, forming sand ridges to an average height of 10 metres.

The nearest of the limited outcrop in the region is located approximately 25 kilometres away in several directions (south east to Inala Rock Waters and Yumbarra Rock Hole, north west to Moornaba Rock Hole and north-north east to Poondinga Rock Water). All outcrop at these localities has been identified as Mesoproterozoic Hiltaba Suite granitoid intrusives.

The Yumbarra prospect area is focused on the reverse 'C' shaped magnetic anomaly that has a maximum amplitude of over 7000nT which is coincident with geo-morpological and topographic features. Geophysical interpretation of the aeromagnetic data is indicative that the cause of the magnetic anomaly is a shallow (possibly subcropping) layered intrusive body in which a series of prominent concentric magnetic high features may reflect ultramafic layering. The reverse 'C' feature is interpreted to have a non magnetic anulus. Other linear magnetic features may represent cross cutting intrusive dykes.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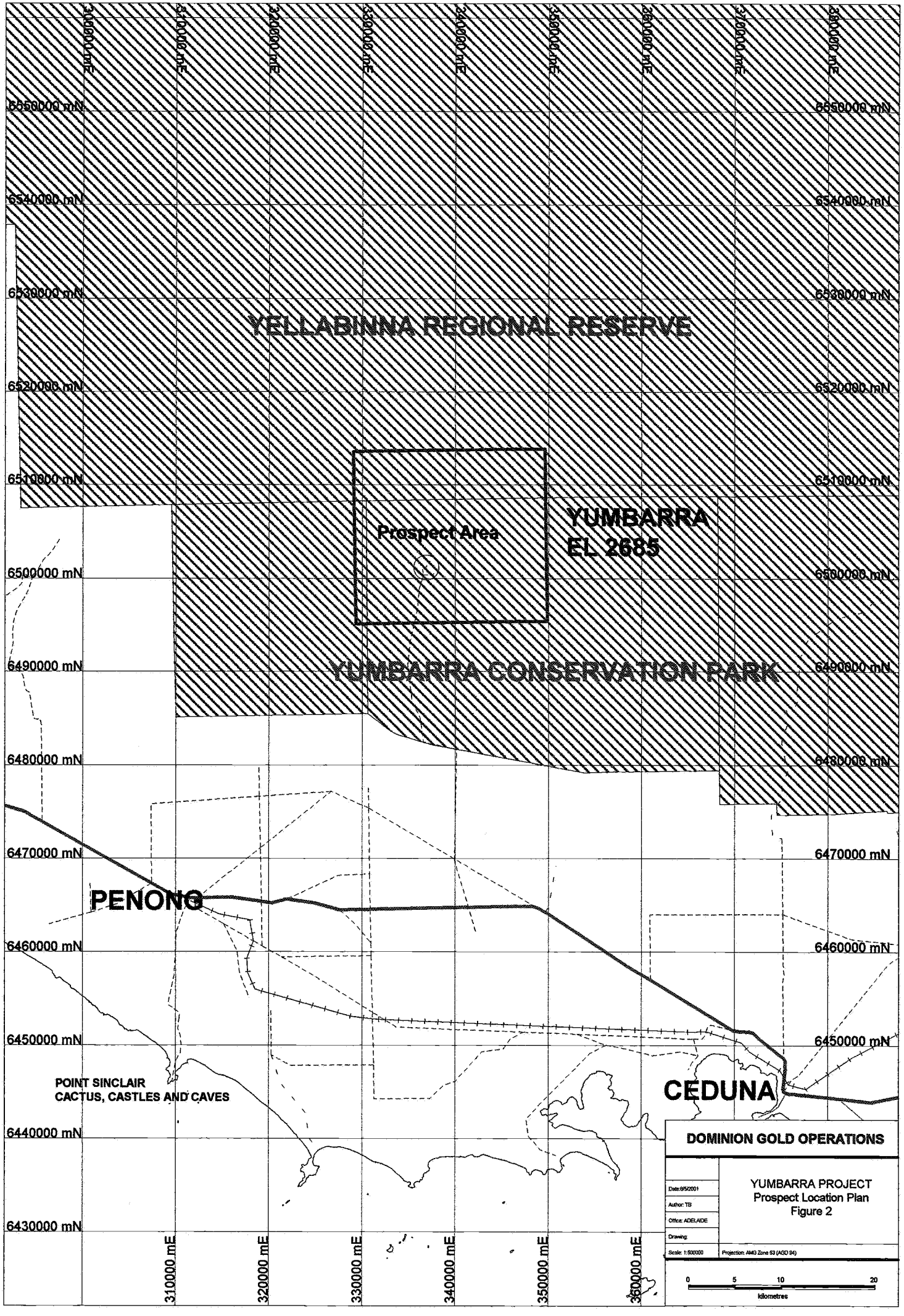
CAMPFIRE EL 2238
SKYE EL 2808
SANDSTONE EL 2734
SANDSTONE OUTSTATION
SANDSTONE JV EL 2654
BLOWOUT EL 2778
JUMBUCK EL2637
MOBELLA HOMESTEAD
CHALLENGER GOLD PROJECT
JUMBUCK OUTSTATION
BARTON WEST EL 2281
BLOWOUT EL 2778
MULGATHING EL2452
JUMBUCK EL2637
BARTON EAST EL 2282
MOBELLA EL 2673
MULGATHING EL2452
IMMARNA
BARTON
TRANS AUSTRALIAN RAILWAY
MULGATHING HOMESTEAD
COMMONWEALTH HILL HOMESTEAD
CENTRAL AUSTRALIA RAILWAY
INGOMAR HOMESTEAD
McDOUALL PEAK HOMESTEAD
THE TWINS HOMESTEAD
BULGUNNIA HOMESTEAD
MOUNT EBA HOMESTEAD
BULGUNNIA EL 2460
BON BON HOMESTEAD
GOSSE EL 2467
LXC
MOUNT VIVIAN HOMESTEAD
LABYRINTH EL 2636
MALBOOMA
TARCOOLA
WILGENA HOMESTEAD
NORTH WELL HOMESTEAD
KINGOONYA
GLENDAMBO
KINGOONYA EL 2466
KINGOONYA EL 2466
YUMBARRA 2 EL 2728
YUMBARRA EL 2685
SOUTH AUSTRALIA
DOMINION GOLD OPERATIONS
TENEMENT LOCATION PLAN
May 2001
Figure 1
Date: 8/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:1500000
Projection: AMG Zone 53 (AGD 84)
0 12.5 25 50
Kilometres


YELLABINNA REGIONAL RESERVE
YUMBARRA CONSERVATION PARK
Prospect Area
YUMBARRA
EL 2685
PENONG
CEDUNA
POINT SINCLAIR
CACTUS, CASTLES AND CAVES
6550000 mN
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6530000 mN
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DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Prospect Location Plan
Figure 2
Date: 6/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:500000
Projection: AMG Zone 53 (AGD 84)
0
5
10
20
kilometres

5. PREVIOUS EXPLORATION

No previous ground based investigations had been carried out in the immediate area due to the central portion of the Yumbarra Conservation Park (containing the Yumbarra prospect area) being proclaimed in 1968 without provision for exploration.

The central portion of the Yumbarra Conservation Park was reproclaimed in November 1999 to allow exploration under strict guidelines and supervision.

This magnetic anomaly was discovered in 1992 as a result of the detailed, low altitude aeromagnetic surveys conducted by the former Mines and Energy, S.A. as part of the 'South Australian Exploration Initiative' (SAEI).

6. CURRENT EXPLORATION

6.1. Calcrete Geochemical Sampling

All samples were analysed at Genalysis Laboratory Services Pty. Ltd. with sample preparation being done in Adelaide and analysis in Perth W.A. Gold, cobalt, palladium and platinum analyses were undertaken by the B/MS method which involves aqua-regia digestion and inductively coupled plasma mass spectrometry (detection limits Au 1 ppb, Co 0.1ppm, Pd 10ppb, Pt 5ppb). Phase 1 samples had repeat gold analysis undertaken by the B/ETA method which involves aqua-regia digestion and graphite furnace atomic absorption spectrometry (Au detection limit 1 ppb). Cr, Cu and Ni were analysed by the B/AAS method of aqua-regia digestion and flame atomic absorption spectrometry (detection limits Cr, Cu and Ni 1 ppm).

Altogether 568 samples were collected and assayed as detailed above. Sample location and assay data are included as Plates 1,2a,2b,2c,5,6a,6b,7,8 and Appendices 1 and 2.

6.1.1. Regional Calcrete Sampling

During Phase 1, a regional 200 metre sample spacing by 400 metre line spacing hand calcrete sampling programme was conducted utilizing a 4WD quad bike. A total of 173 samples were collected during Phase 1 (odd numbers in G296501-529, G296533-623, G296627-629, G296635-665, G296671-709, G296713-717, G296721-745, G296765-773, G296785-835, G296845-849, G296853-859, G296875-913).

A further 20 samples (odd numbers inG296921-943, all numbers in G296955, G297000-005, G297008) were collected by auger on 200 metre by 400 metre spacing during Phase 2. This completed the regional sampling pattern in areas where calcrete was too deep for hand sampling.

6.1.2. Infill Calcrete Sampling

During Phase 2, 287 samples (G296945-954, G296956-999, G297011-243) were collected by auger on a 100 metre by 100 metre spacing infilling areas identified during the regional sampling.

A further 16 samples (G297244-247, G297249-255, G297257-259, G297262-263) were collect by hand during Phase 2 to complete the 100 metre by 100 metre infill area.

In addition to the above, 72 duplicate samples (even numbers in G296922-944, all numbers in G297305-312, G297314-321, G297323-365, G297368) were collected by auger. These were taken at a greater depth (i.e. separate calcrete / sand / calcareous sand horizon) than the original samples during Phase 2.

6.2 *'Soil' Geochemical Sampling*

During Phases 1 and 2, 'soil' samples were taken directly from the surface of the aeolian sands. No size fractionation was conducted and all samples were analyzed by the same methods as for the calcrete geochemical samples.

In total of 457 samples were collected and assayed as detailed above. Sample location and assay data are included as Plates 3,4,9,10a,10b,10c and Appendices 1 and 3.

6.2.1 Regional 'Soil' Sampling

Complementary to the aforementioned Phase 1 calcrete sampling, 'soil' samples were taken at each planned sampling site on a 200 metre by 400 metre sample pattern. A total of 206 samples were collected (even numbers only G296502-870, G297874-914).

6.2.2 Infill 'Soil' Sampling

A total of 251 samples (G297371-619, G297622-623) were collected during Phase 2 at each planned sample site in all but the north western area (AREA 4) where no 'soil' samples were taken.

6.3 *Geophysical Surveys* (Data - see Government of SA Mineral Resources Website)

Three geophysical surveys were conducted during the present reporting period. Concise details for these surveys covering the particulars and results were not available to D.G.O. personnel at the time of writing. These will be supplied in a separate report from the Chief Geophysicist of Resolute Resources Limited.

Location plans for the geophysical surveys are included as Plates 11 and 12.

6.3.1 Airborne Electromagnetic (TEMPEST) (AEM) Survey

Fugro Airborne Surveys flew 77.3 line kilometres of AEM data in July 2000. This survey was flown at a terrain clearance of 105 metres with a traverse line spacing of 500 metres on a traverse line direction of 135-315 degrees (mag??).

This survey failed to outline any strong conductors. Two weak conductors were delineated, one within the central anulus area and the other over the southern part of the magnetic anomaly.

6.3.2 Transient Electromagnetic (TEM) Survey

This survey of 2.2(??) line kilometres was conducted by Solo Geophysics. The survey consisted of 3 lines (6502100N from 338200E to 338600E; 336200E from 6501900N to 6502500N; 336600E from 6500300N to 6501500N).

All data was gathered using a SIROTEM Mk 3 instrument with an in loop configuration and a 40 metre by 40 metre loop size (RVR in loop). The ramp delay was 5.5u seconds, nominal transmitter current of 5.5 amps and a gain settings of 1 and 10.

No bedrock conductors were identified within the survey areas.

6.3.3 Induced Polarisation (IP) Survey

A series of IP spreads consisting of approximately 25(??) line kilometres was conducted by Solo Geophysics in conjunction with the TEM survey.

All data was gathered using a Huntec 7.5 KVa transmitter and a IPR-12 multi-channel IP receiver (v4.0). A 2 second time base and a 25 metre receiver dipole were used for all measurements.

Three IP anomalies of interest were identified. Two of these occur within AREA 1 and the other in AREA 2.

The AREA 2 IP anomaly (650110N, 337800E) is a north to north-east striking feature with a 400 metre strike length and moderate chargeability. A weak magnetic high is coincident in part with this chargeable feature.

The first AREA 1 IP anomaly (6500600N, 337300E) is east-west striking with a 400 metre strike length and a similar amplitude to the AREA 2 anomaly. It is coincident with an interpreted intersection of a 'magnetic ring' and a west to north-west striking late stage dyke. There is also a moderate resistivity high coincident with part of this anomaly.

The second AREA 1 IP anomaly (6500400N, 336900E) is poorly defined but is coincident with a wide area of disruption and decreased amplitude of magnetic anomalism in the 'magnetic ring' structure. This is interpreted as a late stage intrusive.

6.4 Environmental Surveys

A baseline biological assessment survey was conducted by Ecologia Environmental Consultants. This was conducted, together with liaison with PIRSA and DEH, for development of the Declaration of Environmental Factors (DEF).

A copy of the report ' Gawler Joint Venture ELA 142/93 BASELINE BIOLOGICAL ASSESSMENT SURVEY" has been forwarded to PIRSA as stated in the DEF.

6.5 Cultural and Heritage Site Clearance Surveys

An Aboriginal and European cultural and heritage site clearance survey was conducted prior to exploration commencing. No evidence of heritage sites was observed.

7. ENVIRONMENTAL REHABILITATION

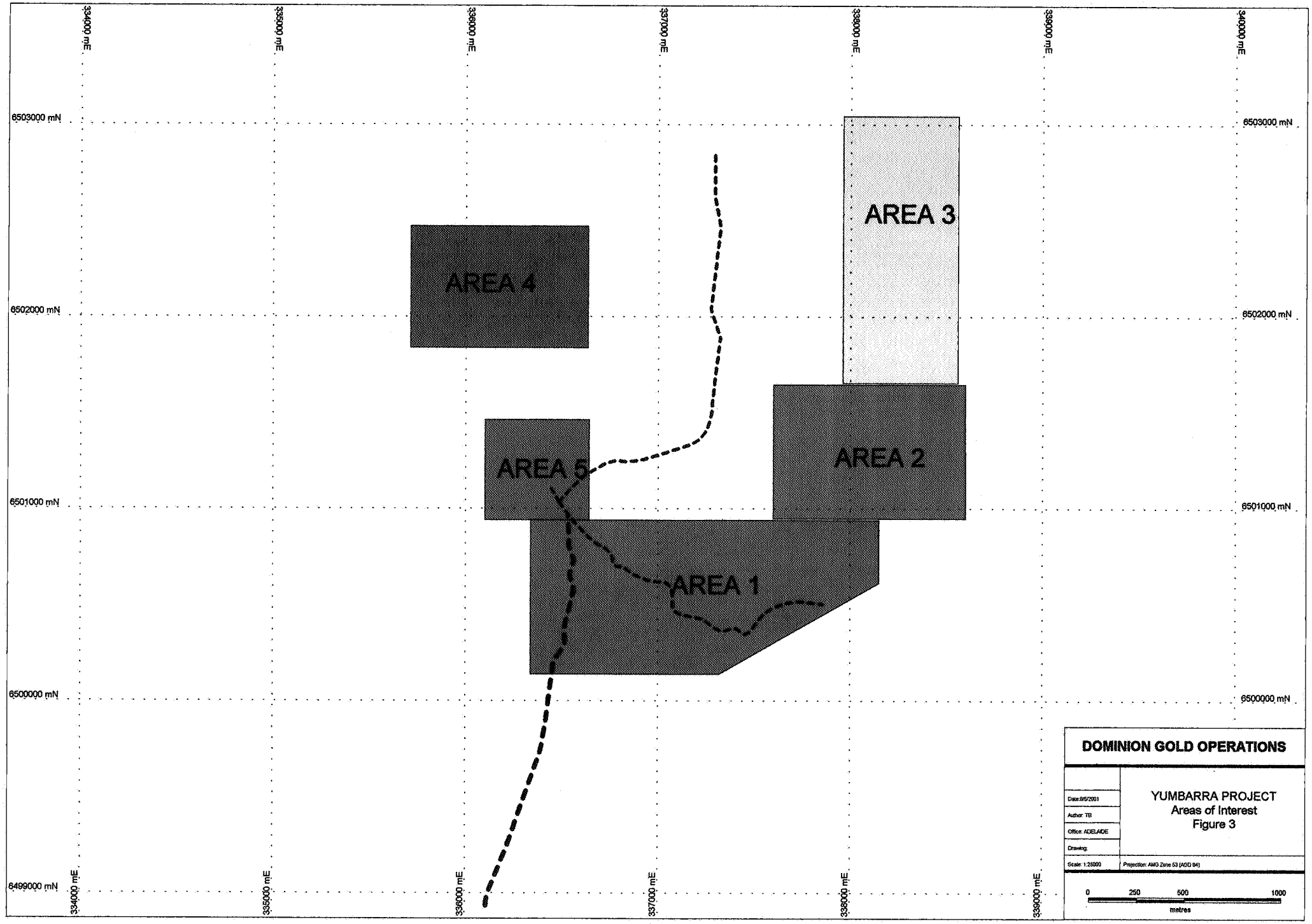
Rehabilitation outlined in the DEF has been conducted in conjunction with the exploration activities. Periodic reporting to PIRSA and DEH has been conducted and these reports have been submitted.

Rehabilitation consisted mainly of the removal of access tracks by de-rutting, camouflaging and disguising the tracks and departure points from the pre-existing, unauthorised tracks.

All sample sites and survey data points were rehabilitated so as to leave no visual impact.

8. CONCLUSION

Work conducted during the reporting period consisted of three phases of first pass exploration. This first pass exploration delineated prospective areas (Figure 3) for follow up exploration programmes. Proposed exploration work includes auger sampling of the regolith profile and dependent on results and submission approvals, subsequent air-core drill testing of suitable targets within these prospective areas.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AREA 4
AREA 3
AREA 5
AREA 2
AREA 1
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Areas of Interest
Figure 3
Date:8/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres

9. EXPENDITURE

Expenditure on EL 2685 for the first year of tenure from 5th January 2000 to 4th January 2001 is as follows:

Aboriginal negotiations	47,980
Aerial photography	1,134
Aeromagnetics	63,060
Assays	5,044
Camp & field supplies	7,821
Consultants	13,780
Drafting	545
Environmental	46,178
Equipment hire	262
Freight	39
Geophysics	20,300
Legal	163
Office & Administration	13,851
Salaries	102,737
Tenement	10,576
Travel & accommodation	9,249
Vehicles	4,418
Total	**$347,137**

Total expenditure for the first year of tenure was $347,137

10. REFERENCES

Poustie, T., February 2001. Yumbarra JV Work Programme and Budget, January – March 2001 (unpublished memorandum).

Rau, G., February 2001. Solo Geophysics & Co. Field Survey Notes (unpublished).

Williams, P., January 2001. Comments on IP, EM and Geochemistry (unpublished memorandum).

Williams, P., February 2001. Yumbarra reporting (unpublished letter).

10. KEYWORDS

calcrete, cobalt, copper, electromagnetic, environment, geochemistry, geophysics, Induced Polarisation, nickel, Proterozoic, Precambrian, soil, Yumbarra.

APPENDIX 1

LIST OF ASSAY JOBS

GAWLER JOINT VENTURE ASSAY JOB LIST
Yumbarra EL 2685 - YEAR 1 EXPLORATION

GENALYSAS ASSAY J0B No.	GJV ASSAY ORDER No.	DATE SENT	DATE ALL RESULTS RECEIVED	No. of SAMPLES	Soil	SAMPLE METHOD	AREA/ PROSPECT	TITLE/ E.L. No.	SAMPLE No.	ELEMENTS ASSAYED
568.0/004639	P Williams	12/9/00	22/9/00	173	Calcrete	Hand	Yumbarra	EL 2685	odd numbers in G296501-529 G296533-623 G296627-629 G296635-665 G296671-709 G296713-717 G296721-745 G296765-773 G296785-835 G296845-849 G296853-859 G296875-913	Au,Co,Cr,Cu,Ni,Pd,Pt
568.0/004706	P Williams	12/9/00	27/9/00	206	Soil	Hand	Yumbarra	EL 2685	even numbers in G296502-870 G296874-914	Au,Co,Cr,Cu,Ni,Pd,Pt
568.0/006584	10520	4/12/00	20/12/00	395	Calcrete	Auger	Yumbarra	EL 2685	G296921-7005 G297008 G297011-247 G297249-255 G297257-259 G297262-263 G297305-312 G297314-321 G297323-365 G297368	Au,Co,Cr,Cu,Ni,Pd,Pt
568.0/006514	10520	4/12/00	14/12/00	251	Soil	Hand	Yumbarra	EL 2685	G297371-619 G297622-623	Au,Co,Cr,Cu,Ni,Pd,Pt

APPENDIX 2

CALCRETE SAMPLING DATABASE

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296501	6503510	337800	0.6	Calcrete		Hand	<1		6.1	11	8	13	0	0	568.0/0004639	EL 2685	30/8/00
G296503	6503445	338000	0.6	Calcrete		Hand	4	4	7.4	13	9	10	0	0	568.0/0004639	EL 2685	30/8/00
G296505	6503375	338210	0.6	Calcrete		Hand	<1		7.7	13	9	23	0	0	568.0/0004639	EL 2685	30/8/00
G296507	6503320	338400	0.2	Calcrete		Hand	<1		9.7	7	14	11	0	0	568.0/0004639	EL 2685	30/8/00
G296509	6503255	338610	0.6	Calcrete		Hand	<1		4.5	13	12	11	0	0	568.0/0004639	EL 2685	30/8/00
G296511	6503185	338810	0.3	Calcrete		Hand	<1		6.7	7	7	5	0	0	568.0/0004639	EL 2685	30/8/00
G296513	6503120	339000	0.4	Calcrete		Hand	<1		5.9	12	6	7	0	0	568.0/0004639	EL 2685	30/8/00
G296515	6503120	338800	0.5	Calcrete	200m east of previous sample	Hand	<1		4.4	9	5	6	0	0	568.0/0004639	EL 2685	30/8/00
G296517	6503120	338600	0.4	Calcrete	200m east of previous sample	Hand	3	5	3.8	10	16	17	0	0	568.0/0004639	EL 2685	30/8/00
G296519	6500660	336695	1	Calcrete		Hand	<1		5.8	9	42	18	0	0	568.0/0004639	EL 2685	31/8/00
G296521	6500570	336905	0.5	Calcrete		Hand	<1		6.9	12	30	18	0	0	568.0/0004639	EL 2685	31/8/00
G296523	6500495	337105	0.5	Calcrete		Hand	<1		3.9	5	42	11	0	0	568.0/0004639	EL 2685	31/8/00
G296525	6500400	337300	0.4	Calcrete		Hand	<1		3.6	8	25	14	0	0	568.0/0004639	EL 2685	31/8/00
G296527	6500305	337500	0.2	Calcrete	Nodular	Hand	<1		5.5	6	15	7	0	0	568.0/0004639	EL 2685	31/8/00
G296529	6500220	337702	0.3	Calcrete	Massive	Hand	<1		6.4	8	11	7	0	0	568.0/0004639	EL 2685	31/8/00
G296531	6500140	337905	1.3	Calcrete	N/S no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	31/8/00
G296533	6500050	338110	0.4	Calcrete	Massive	Hand	1		4.4	9	6	5	0	0	568.0/0004639	EL 2685	31/8/00
G296535	6499645	337920	1.1	Calcrete	Massive	Hand	<1		4.4	8	7	5	0	0	568.0/0004639	EL 2685	31/8/00
G296537	6499725	337700	0.9	Calcrete	Nodular	Hand	<1		9.6	8	7	6	0	0	568.0/0004639	EL 2685	31/8/00
G296539	6499800	337500	1.2	Calcrete	Nodular - small sample	Hand	<1		4.1	10	7	6	0	0	568.0/0004639	EL 2685	31/8/00
G296541	6499870	337270	1.2	Calcrete	Nodular - small sample	Hand	<1		3.4	12	5	6	0	0	568.0/0004639	EL 2685	31/8/00
G296543	6499910	337070	1	Calcrete	Massive	Hand	1		3.5	8	8	6	0	0	568.0/0004639	EL 2685	31/8/00
G296545	6499970	336820	0.5	Calcrete	Massive	Hand	<1		5.3	10	6	6	0	0	568.0/0004639	EL 2685	31/8/00
G296547	6500035	336560	0.3	Calcrete	Massive	Hand	<1		10.8	7	9	12	0	0	568.0/0004639	EL 2685	31/8/00
G296549	6499990	336395	0.4	Calcrete	Massive	Hand	<1		8.1	12	9	14	0	0	568.0/0004639	EL 2685	31/8/00
G296551	6500030	336225	1	Calcrete	Nodular	Hand	<1		6.5	14	6	9	0	0	568.0/0004639	EL 2685	31/8/00
G296553	6500405	336305	0.6	Calcrete	Nodular	Hand	<1		5.9	12	11	15	0	0	568.0/0004639	EL 2685	31/8/00
G296555	6500430	336110	0.7	Calcrete	Nodular	Hand	<1		4.2	12	12	12	0	0	568.0/0004639	EL 2685	31/8/00
G296557	6500480	335910	1	Calcrete	Nodular	Hand	<1		3.5	7	9	4	0	0	568.0/0004639	EL 2685	31/8/00
G296559	6500525	335705	0.4	Calcrete	Nodular	Hand	<1		4.8	11	9	8	0	0	568.0/0004639	EL 2685	31/8/00
G296561	6500560	335505	1	Calcrete	Nodular	Hand	<1		5.3	19	7	10	0	0	568.0/0004639	EL 2685	31/8/00
G296563	6500605	335305	0.7	Calcrete	Nodular	Hand	<1		5.1	14	7	7	0	0	568.0/0004639	EL 2685	31/8/00
G296565	6500365	336505	0.4	Calcrete	Massive	Hand	<1		6.8	8	18	14	0	0	568.0/0004639	EL 2685	1/9/00
G296567	6500300	336695	0.3	Calcrete	Massive	Hand	<1		9.2	8	25	15	0	0	568.0/0004639	EL 2685	1/9/00
G296569	6500270	336890	0.4	Calcrete	Massive	Hand	<1		6	6	25	9	0	0	568.0/0004639	EL 2685	1/9/00
G296571	6500190	337105	0.4	Calcrete	Massive	Hand	<1		7	8	24	10	0	0	568.0/0004639	EL 2685	1/9/00
G296573	6500140	337290	0.4	Calcrete	Massive	Hand	<1		5.6	10	16	11	0	0	568.0/0004639	EL 2685	1/9/00
G296575	6500770	336510	0.3	Calcrete	Nodular	Hand	<1		8.7	12	53	27	0	0	568.0/0004639	EL 2685	1/9/00
G296577	6500805	336310	1	Calcrete	Nodular	Hand	<1		8	10	14	13	0	0	568.0/0004639	EL 2685	1/9/00
G296579	6500825	336110	0.3	Calcrete	Nodular	Hand	<1		6.8	7	19	11	0	0	568.0/0004639	EL 2685	1/9/00
G296581	6500865	335900	0.3	Calcrete	Nodular	Hand	<1		2.1	4	17	6	0	0	568.0/0004639	EL 2685	1/9/00
G296583	6500880	335700	1.2	Calcrete	Nodular - powdery sample	Hand	<1		4.3	14	20	13	0	0	568.0/0004639	EL 2685	1/9/00
G296585	6500890	335475	1.4	Calcrete	Nodular - S of coords - dune small sample	Hand	<1		1.6	4	3	3	0	0	568.0/0004639	EL 2685	1/9/00
G296587	6500930	335300	0.3	Calcrete	Nodular	Hand	<1		8.4	9	16	7	0	0	568.0/0004639	EL 2685	1/9/00
G296589	6500990	335120	0.4	Calcrete	Nodular	Hand	<1		9.2	10	7	6	0	0	568.0/0004639	EL 2685	1/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296591	6500790	337095	0.4	Calcrete	Nodular	Hand	<1		5	8	26	18	0	0	568.0/0004639	EL 2685	1/9/00
G296593	6500745	337300	0.6	Calcrete	Nodular	Hand	<1		4.6	9	23	13	0	5	568.0/0004639	EL 2685	1/9/00
G296595	6500715	337495	0.5	Calcrete	Nodular	Hand	<1		3.7	6	22	13	0	0	568.0/0004639	EL 2685	1/9/00
G296597	6500665	337695	0.4	Calcrete	Nodular	Hand	<1		4.8	10	12	15	0	0	568.0/0004639	EL 2685	1/9/00
G296599	6500610	337895	0.6	Calcrete	Nodular	Hand	<1		6.7	11	6	8	0	6	568.0/0004639	EL 2685	1/9/00
G296601	6500545	338100	0.4	Calcrete	Nodular	Hand	<1		8	9	8	9	0	0	568.0/0004639	EL 2685	1/9/00
G296603	6500480	338295	0.3	Calcrete	Nodular	Hand	<1		5.8	7	7	5	0	0	568.0/0004639	EL 2685	1/9/00
G296605	6501015	334910	0.3	Calcrete	Nodular	Hand	<1		6.1	8	12	7	0	0	568.0/0004639	EL 2685	2/9/00
G296607	6501060	334720	0.5	Calcrete	Nodular/Massive	Hand	<1		6.8	9	7	5	0	0	568.0/0004639	EL 2685	2/9/00
G296609	6501100	334510	0.6	Calcrete	Massive	Hand	<1		5.3	9	5	5	0	0	568.0/0004639	EL 2685	2/9/00
G296611	6501170	334310	0.8	Calcrete	Nodular	Hand	<1		5.6	12	6	6	0	0	568.0/0004639	EL 2685	2/9/00
G296613	6501080	334080	1	Calcrete	Nodular crossed dune	Hand	<1		5.8	15	7	8	0	0	568.0/0004639	EL 2685	2/9/00
G296615	6501145	333865	1.2	Calcrete	Nodular/Massive	Hand	<1		5.4	14	7	7	0	0	568.0/0004639	EL 2685	2/9/00
G296617	6501210	333705	1.3	Calcrete	Nodular - very small sample - little calcrete	Hand	<1		4.2	16	6	7	0	0	568.0/0004639	EL 2685	2/9/00
G296619	6501610	333700	0.5	Calcrete	Nodular/Massive	Hand	<1		2.6	5	2	3	0	0	568.0/0004639	EL 2685	2/9/00
G296621	6501635	333930	0.8	Calcrete	Nodular - small sample - crossed dune	Hand	<1		4.2	12	12	6	0	0	568.0/0004639	EL 2685	2/9/00
G296623	6501570	334090	0.5	Calcrete	Nodular	Hand	<1		5.2	11	8	6	0	0	568.0/0004639	EL 2685	2/9/00
G296625	6501530	334300	1.4	Calcrete	N/S no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	2/9/00
G296627	6501485	334480	1.3	Calcrete	Nodular - small sample	Hand	<1		5.1	15	7	9	0	0	568.0/0004639	EL 2685	2/9/00
G296629	6501405	334670	1.2	Calcrete	Nodular - small sample	Hand	<1		4.5	16	6	8	0	0	568.0/0004639	EL 2685	2/9/00
G296631	6501470	334910	1.3	Calcrete	N/S no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	2/9/00
G296633	6501410	335100	1.3	Calcrete	no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	2/9/00
G296635	6501365	335290	0.5	Calcrete	Nodular	Hand	<1		4.2	9	5	5	0	0	568.0/0004639	EL 2685	2/9/00
G296637	6501325	335490	0.3	Calcrete	Massive	Hand	1		6.4	8	11	8	0	0	568.0/0004639	EL 2685	2/9/00
G296639	6501300	335690	0.6	Calcrete	Massive	Hand	<1		4	9	13	7	0	0	568.0/0004639	EL 2685	2/9/00
G296641	6501265	335900	0.7	Calcrete	Massive	Hand	<1		2.4	7	7	4	0	0	568.0/0004639	EL 2685	2/9/00
G296643	6501240	336100	0.7	Calcrete	Massive	Hand	<1		4.6	14	13	12	0	0	568.0/0004639	EL 2685	2/9/00
G296645	6501210	336295	0.7	Calcrete	Nodular	Hand	<1		7.7	8	7	6	0	0	568.0/0004639	EL 2685	2/9/00
G296647	6501225	336520	0.7	Calcrete	Massive/Nodular	Hand	<1		6.3	7	23	10	0	0	568.0/0004639	EL 2685	2/9/00
G296649	6501140	336695	0.4	Calcrete	Nodular	Hand	<1		5.2	13	24	12	0	0	568.0/0004639	EL 2685	2/9/00
G296651	6501110	336900	0.3	Calcrete	Massive	Hand	<1		6.5	12	12	11	0	0	568.0/0004639	EL 2685	3/9/00
G296653	6501080	337090	0.3	Calcrete	Massive	Hand	<1		6.2	9	11	9	0	0	568.0/0004639	EL 2685	3/9/00
G296655	6501050	337290	1	Calcrete	Nodular	Hand	<1		4.4	12	8	9	0	0	568.0/0004639	EL 2685	3/9/00
G296657	6501020	337490	0.3	Calcrete	Massive	Hand	<1		9.3	9	17	14	0	0	568.0/0004639	EL 2685	3/9/00
G296659	6500985	337690	0.4	Calcrete	Nodular	Hand	<1		5.6	7	21	18	0	0	568.0/0004639	EL 2685	3/9/00
G296661	6500945	337900	1	Calcrete	Nodular	Hand	<1		10.8	10	14	18	0	0	568.0/0004639	EL 2685	3/9/00
G296663	6500920	338095	0.3	Calcrete	Nodular	Hand	<1		8.5	6	10	7	0	0	568.0/0004639	EL 2685	3/9/00
G296665	6500870	338290	0.4	Calcrete	Nodular	Hand	<1		7.8	8	7	6	0	0	568.0/0004639	EL 2685	3/9/00
G296667	6501175	338900	1.3	Calcrete	no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	3/9/00
G296669	6501225	338705	1.2	Calcrete	no calcrete no sample	Hand	NS	NS	NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	3/9/00
G296671	6501260	338500	0.4	Calcrete	Nodular	Hand	<1		7.8	8	11	7	0	0	568.0/0004639	EL 2685	3/9/00
G296673	6501300	338300	0.4	Calcrete	Nodular	Hand	<1		9	7	17	7	0	0	568.0/0004639	EL 2685	3/9/00
G296675	6501340	338105	0.1	Calcrete	Nodular/Massive	Hand	<1		5.5	12	28	23	0	0	568.0/0004639	EL 2685	3/9/00
G296677	6501375	337895	0	Calcrete	Nodular	Hand	<1		12.2	7	21	19	0	0	568.0/0004639	EL 2685	3/9/00
G296679	6501390	337700	0.4	Calcrete	Nodular	Hand	<1		5.9	9	11	8	0	0	568.0/0004639	EL 2685	3/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No	Tenement	Date Sampled
G296681	6501420	337500	0.4	Calcrete	Nodular	Hand	<1		6.2	5	13	6	0	0	568.0/0004639	EL 2685	3/9/00
G296683	6501460	337300	0.4	Calcrete	Massive	Hand	<1		12.6	11	17	14	0	0	568.0/0004639	EL 2685	3/9/00
G296685	6501475	337100	0.7	Calcrete	Nodular	Hand	<1		6.9	8	7	7	0	0	568.0/0004639	EL 2685	3/9/00
G296687	6501495	336895	0.5	Calcrete	Massive	Hand	<1		7.2	5	13	4	0	0	568.0/0004639	EL 2685	3/9/00
G296689	6501535	336700	0.7	Calcrete	Massive	Hand	<1		10.3	8	7	6	0	0	568.0/0004639	EL 2685	3/9/00
G296691	6501590	336500	1.2	Calcrete	Massive	Hand	<1		5.2	12	12	10	0	0	568.0/0004639	EL 2685	3/9/00
G296693	6501570	336300	0.4	Calcrete	Massive	Hand	<1		5.4	10	15	9	0	0	568.0/0004639	EL 2685	3/9/00
G296695	6501630	336080	0.5	Calcrete	Massive	Hand	<1		4.9	13	12	10	0	0	568.0/0004639	EL 2685	3/9/00
G296697	6501675	335900	0.5	Calcrete	Massive	Hand	<1		4.4	12	16	9	0	0	568.0/0004639	EL 2685	3/9/00
G296699	6501770	335705	0.5	Calcrete	Massive	Hand	<1		4.9	11	14	9	0	0	568.0/0004639	EL 2685	3/9/00
G296701	6501810	335500	0.4	Calcrete	Massive	Hand	<1		5.6	11	12	9	0	6	568.0/0004639	EL 2685	3/9/00
G296703	6501730	335300	1.2	Calcrete	Massive/Nodular	Hand	<1		4.2	15	13	12	0	0	568.0/0004639	EL 2685	3/9/00
G296705	6501800	335070	0.5	Calcrete	Nodular	Hand	<1		8.2	13	8	8	0	0	568.0/0004639	EL 2685	3/9/00
G296707	6501850	334890	0.7	Calcrete	Nodular	Hand	<1		8.1	11	7	7	0	0	568.0/0004639	EL 2685	3/9/00
G296709	6501890	334700	0.6	Calcrete	Nodular	Hand	<1		6.2	15	7	9	0	0	568.0/0004639	EL 2685	3/9/00
G296711	6501940	334500	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	3/9/00
G296713	6502085	334300	1.2	Calcrete	Nodular	Hand	<1		7.8	18	6	10	0	0	568.0/0004639	EL 2685	3/9/00
G296715	6502110	334075	0.4	Calcrete	Nodular	Hand	<1		10.1	9	6	6	0	0	568.0/0004639	EL 2685	3/9/00
G296717	6501620	339110	0.5	Calcrete	Massive	Hand	<1		5.7	12	7	7	0	5	568.0/0004639	EL 2685	4/9/00
G296719	6501660	338900	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296721	6501680	338700	1	Calcrete	Nodular	Hand	<1		5.4	11	5	7	0	0	568.0/0004639	EL 2685	4/9/00
G296723	6501710	338510	0.3	Calcrete	Massive/Nodular	Hand	3	2	6.9	9	7	7	0	0	568.0/0004639	EL 2685	4/9/00
G296725	6501730	338310	1.1	Calcrete	Nodular - small sample	Hand	<1		4.2	11	7	9	0	0	568.0/0004639	EL 2685	4/9/00
G296727	6501770	338100	0.3	Calcrete	Massive	Hand	<1		6.6	9	11	14	0	0	568.0/0004639	EL 2685	4/9/00
G296729	6501800	337900	0.4	Calcrete	Massive	Hand	<1		6.8	10	13	11	0	0	568.0/0004639	EL 2685	4/9/00
G296731	6501820	337710	0.4	Calcrete	Massive	Hand	<1		6	9	10	9	0	0	568.0/0004639	EL 2685	4/9/00
G296733	6501840	337510	0.8	Calcrete	Nodular	Hand	<1		7.5	8	6	6	0	0	568.0/0004639	EL 2685	4/9/00
G296735	6501870	337310	0.2	Calcrete	Nodular	Hand	<1		14.3	7	15	12	0	0	568.0/0004639	EL 2685	4/9/00
G296737	6501890	337110	0.4	Calcrete	Nodular	Hand	<1		8.2	6	11	6	0	0	568.0/0004639	EL 2685	4/9/00
G296739	6501930	336900	0.6	Calcrete	Nodular	Hand	<1		5.7	10	9	7	0	0	568.0/0004639	EL 2685	4/9/00
G296741	6501995	336710	1.2	Calcrete	Nodular -Small sample	Hand	<1		3.2	13	6	8	0	0	568.0/0004639	EL 2685	4/9/00
G296743	6502050	336510	0.9	Calcrete	Massive	Hand	<1		5.6	14	6	8	0	0	568.0/0004639	EL 2685	4/9/00
G296745	6501940	336280	1.1	Calcrete	Nodular	Hand	<1		7.7	11	6	8	0	0	568.0/0004639	EL 2685	4/9/00
G296747	6502005	336075	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296749	6502060	335870	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296751	6502120	335710	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296753	6502150	335500	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296755	6502320	335270	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296757	6502230	335200	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296759	6502270	335110	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296761	6502320	334895	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296763	6502320	334700	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296765	6502650	334700	1.2	Calcrete	Nodular	Hand	<1		5.4	16	5	8	0	0	568.0/0004639	EL 2685	4/9/00
G296767	6502645	334900	1.4	Calcrete	Nodular	Hand	<1		3.6	12	4	5	0	0	568.0/0004639	EL 2685	4/9/00
G296769	6502520	335135	1.3	Calcrete	Nodular	Hand	<1		4.4	18	6	9	0	0	568.0/0004639	EL 2685	4/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Ppt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296771	6502525	335340	0.7	Calcrete	Nodular	Hand	<1		8.5	10	6	6	0	0	568.0/0004639	EL 2685	4/9/00
G296773	6502520	335520	1	Calcrete	Nodular	Hand	<1		4.9	14	5	6	0	0	568.0/0004639	EL 2685	4/9/00
G296775	6502535	335690	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296777	6502510	335910	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296779	6502460	336090	1.1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296781	6502495	336300	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296783	6502370	336500	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	4/9/00
G296785	6502370	336700	0.9	Calcrete	Massive	Hand	<1		5.8	16	8	10	0	0	568.0/0004639	EL 2685	4/9/00
G296787	6502340	336900	0.3	Calcrete	Nodular	Hand	<1		7.7	10	6	7	0	0	568.0/0004639	EL 2685	4/9/00
G296789	6502300	337100	0.6	Calcrete	Nodular	Hand	<1		6	12	5	8	0	0	568.0/0004639	EL 2685	4/9/00
G296791	6502265	337290	1.2	Calcrete	Nodular - small sample	Hand	<1		3.9	15	9	10	0	0	568.0/0004639	EL 2685	4/9/00
G296793	6502225	337500	0.8	Calcrete	Nodular	Hand	<1		4.4	10	10	7	0	0	568.0/0004639	EL 2685	4/9/00
G296795	6502180	337700	0.7	Calcrete	Nodular	Hand	<1		3.7	11	8	8	0	0	568.0/0004639	EL 2685	4/9/00
G296797	6502145	337910	0.4	Calcrete	Massive	Hand	<1		7	9	9	8	0	0	568.0/0004639	EL 2685	4/9/00
G296799	6502110	338100	0.4	Calcrete	Massive	Hand	<1		6.4	9	10	9	0	0	568.0/0004639	EL 2685	5/9/00
G296801	6502085	338295	0.4	Calcrete	Nodular	Hand	<1		7	9	11	25	0	0	568.0/0004639	EL 2685	5/9/00
G296803	6502055	338510	0.5	Calcrete	Nodular	Hand	<1		10.2	9	6	12	0	0	568.0/0004639	EL 2685	5/9/00
G296805	6502030	338700	0.5	Calcrete	Massive	Hand	<1		7.4	11	5	8	0	0	568.0/0004639	EL 2685	5/9/00
G296807	6502000	338895	0.4	Calcrete	Nodular	Hand	<1		16.6	9	5	10	0	0	568.0/0004639	EL 2685	5/9/00
G296809	6501965	339100	0.5	Calcrete	Nodular	Hand	<1		9.6	11	6	8	0	0	568.0/0004639	EL 2685	5/9/00
G296811	6502380	339105	0.5	Calcrete	Massive	Hand	<1		13.3	7	10	8	0	0	568.0/0004639	EL 2685	5/9/00
G296813	6502410	338900	0.4	Calcrete	Massive/Nodular	Hand	<1		7.8	10	5	7	0	0	568.0/0004639	EL 2685	5/9/00
G296815	6502450	338720	0.6	Calcrete	Massive	Hand	<1		6.4	9	6	8	0	0	568.0/0004639	EL 2685	5/9/00
G296817	6502470	338480	0.8	Calcrete	Nodular	Hand	<1		6.2	14	12	21	0	0	568.0/0004639	EL 2685	5/9/00
G296819	6502500	338310	0.9	Calcrete	Massive	Hand	<1		9.3	11	18	16	0	0	568.0/0004639	EL 2685	5/9/00
G296821	6502510	338100	1.1	Calcrete	Massive	Hand	<1		6.4	14	10	17	0	0	568.0/0004639	EL 2685	5/9/00
G296823	6502570	337900	0.3	Calcrete	Massive	Hand	<1		6.7	7	10	11	0	0	568.0/0004639	EL 2685	5/9/00
G296825	6502600	337700	0.3	Calcrete	Massive	Hand	<1		7.4	7	12	9	0	0	568.0/0004639	EL 2685	5/9/00
G296827	6502630	337495	0.8	Calcrete	Massive	Hand	<1		5.7	10	10	13	0	0	568.0/0004639	EL 2685	5/9/00
G296829	6502660	337305	0.7	Calcrete	Massive	Hand	2	3	6.1	11	6	7	0	0	568.0/0004639	EL 2685	5/9/00
G296831	6502690	337085	0.5	Calcrete	Massive	Hand	<1		6.7	10	9	7	0	0	568.0/0004639	EL 2685	5/9/00
G296833	6502770	336900	1.2	Calcrete	Massive - small sample	Hand	<1		5.4	12	5	6	0	0	568.0/0004639	EL 2685	5/9/00
G296835	6502760	336705	1.2	Calcrete	Massive	Hand	<1		5.1	15	6	9	0	0	568.0/0004639	EL 2685	5/9/00
G296837	6502780	336510	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296839	6502810	336300	1.3	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296841	6502840	336100	1.1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296843	6502880	335910	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296845	6502890	335810	0	Calcrete	Massive	Hand	<1		4.9	7	5	4	0	0	568.0/0004639	EL 2685	5/9/00
G296847	6502900	335700	0.5	Calcrete	Massive	Hand	<1		5.7	15	6	7	0	0	568.0/0004639	EL 2685	5/9/00
G296849	6502960	335500	0.4	Calcrete	Massive	Hand	1		6.1	15	8	8	0	0	568.0/0004639	EL 2685	5/9/00
G296851	6502990	335310	1.1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296853	6503015	335110	0.4	Calcrete	Massive	Hand	<1		9.4	10	7	7	0	0	568.0/0004639	EL 2685	5/9/00
G296855	6503340	335500	0.2	Calcrete	Nodular	Hand	<1		6.4	9	11	5	0	0	568.0/0004639	EL 2685	5/9/00
G296857	6503290	335700	0.7	Calcrete	Nodular	Hand	<1		5	12	7	6	0	0	568.0/0004639	EL 2685	5/9/00
G296859	6503270	335890	0.4	Calcrete	Nodular	Hand	<1		7.3	9	4	4	0	0	568.0/0004639	EL 2685	5/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au+ Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296861	6503240	336090	1.2	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296863	6503225	336300	1.1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296865	6503190	336500	1.1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296867	6503115	336700	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296869	6503130	336895	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296871	6503100	337100	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296873	6503180	337280	1	Calcrete	no calcrete no sample	Hand	NS		NS	NS	NS	NS	NS	NS	568.0/0004639	EL 2685	5/9/00
G296875	6502795	339100	0.4	Calcrete	Massive	Hand	<1		5.6	14	6	10	0	0	568.0/0004639	EL 2685	6/9/00
G296877	6502815	338880	1	Calcrete	Massive	Hand	<1		5.4	16	7	14	0	0	568.0/0004639	EL 2685	28/9/00
G296879	6502840	338710	0.1	Calcrete	Massive	Hand	<1		7.4	7	10	6	0	0	568.0/0004639	EL 2685	28/9/00
G296881	6502870	338510	0.3	Calcrete	Massive	Hand	<1		5.4	15	9	14	0	0	568.0/0004639	EL 2685	28/9/00
G296883	6502920	338310	0.8	Calcrete	Massive	Hand	<1		7.8	13	19	20	0	0	568.0/0004639	EL 2685	28/9/00
G296885	6502930	338100	0.4	Calcrete	Massive	Hand	<1		6.9	14	23	20	0	0	568.0/0004639	EL 2685	28/9/00
G296887	6502990	337900	1	Calcrete	Massive - small sample	Hand	<1		6.4	16	15	16	0	0	568.0/0004639	EL 2685	28/9/00
G296889	6502995	337705	0.4	Calcrete	Massive	Hand	<1		5.1	13	12	16	0	0	568.0/0004639	EL 2685	28/9/00
G296891	6502975	337460	1	Calcrete	Massive - small sample	Hand	<1		5.8	14	11	9	0	0	568.0/0004639	EL 2685	28/9/00
G296893	6503350	337705	0.8	Calcrete	Massive	Hand	<1		5	12	9	13	0	0	568.0/0004639	EL 2685	28/9/00
G296895	6503410	337485	0.6	Calcrete	Massive	Hand	<1		4.4	8	12	7	0	0	568.0/0004639	EL 2685	28/9/00
G296897	6503430	337290	0.7	Calcrete	Massive	Hand	<1		5.7	19	8	16	0	0	568.0/0004639	EL 2685	28/9/00
G296901	6503500	336890	0.8	Calcrete	Nodular	Hand	<1		6.4	11	7	7	0	0	568.0/0004639	EL 2685	28/9/00
G296903	6503540	336720	0.2	Calcrete	Massive	Hand	<1		9.4	8	7	6	0	0	568.0/0004639	EL 2685	28/9/00
G296905	6503580	336500	0.3	Calcrete	Massive	Hand	<1		6.1	12	8	6	0	5	568.0/0004639	EL 2685	28/9/00
G296907	6503630	336300	0.3	Calcrete	Massive	Hand	<1		5.5	11	10	6	0	0	568.0/0004639	EL 2685	28/9/00
G296909	6503630	336110	0.5	Calcrete	Massive	Hand	1		3.9	11	5	5	0	0	568.0/0004639	EL 2685	28/9/00
G296911	6503650	335880	0.1	Calcrete	Massive	Hand	<1		9.2	7	11	5	0	0	568.0/0004639	EL 2685	28/9/00
G296913	6503700	335700	0.3	Calcrete	Massive	Hand	<1		5.8	12	7	7	0	0	568.0/0004639	EL 2685	28/9/00
G296921	6503460	337090	2.5	Calcrete	Nodular	Auger	3		5.0	14	11	8	<10	<5	568.0/0006584	EL 2685	13/11/00
G296922	6503460	337090	4	Calcrete	Sandy\granules - duplicate G296921 (deeper)	Auger	2		3.2	29	8	7	<10	<5	568.0/0006584	EL 2685	13/11/00
G296923	6503180	337280	1	Calcrete	Nodular	Auger	2		5.0	14	10	12	<10	<5	568.0/0006584	EL 2685	13/11/00
G296924	6503180	337280	3	Calcrete	Nodular - duplicate G296923 (deeper)	Auger	<1		5.2	17	6	9	<10	<5	568.0/0006584	EL 2685	13/11/00
G296925	6503100	337100	1.5	Calcrete	Nodular	Auger	2		5.6	16	7	10	<10	<5	568.0/0006584	EL 2685	13/11/00
G296926	6503100	337100	4.5	Calcrete	Nodular - duplicate G296925 (deeper)	Auger	<1		5.8	18	6	9	<10	<5	568.0/0006584	EL 2685	13/11/00
G296927	6503130	336895	1.5	Calcrete	Granular	Auger	2		3.4	16	5	7	<10	<5	568.0/0006584	EL 2685	13/11/00
G296928	6503130	336895	2.5	Calcrete	Nodular - duplicate G296927 (deeper)	Auger	<1		5.3	15	5	6	<10	<5	568.0/0006584	EL 2685	13/11/00
G296929	6503115	336700	0.5	Calcrete	Granular	Auger	1		2.1	13	4	5	<10	<5	568.0/0006584	EL 2685	13/11/00
G296930	6503115	336700	1	Calcrete	Nodular - duplicate G296929 (deeper)	Auger	<1		4.4	14	6	7	<10	6	568.0/0006584	EL 2685	13/11/00
G296931	3503190	336500	1.5	Calcrete	Granular	Auger	<1		4.6	18	6	9	<10	<5	568.0/0006584	EL 2685	13/11/00
G296932	3503190	336500	2	Calcrete	Nodular - duplicate G296931 (deeper)	Auger	<1		3.7	15	6	7	<10	<5	568.0/0006584	EL 2685	13/11/00
G296933	6503225	336300	1.5	Calcrete	Nodular	Auger	<1		5.2	17	7	10	<10	<5	568.0/0006584	EL 2685	13/11/00
G296934	6503225	336300	3.5	Calcrete	Nodular - duplicate G296933 (deeper)	Auger	1		4.7	18	8	6	<10	<5	568.0/0006584	EL 2685	13/11/00
G296935	6503240	336090	0.1	Calcrete	Massive	Auger	<1		4.9	6	11	6	<10	<5	568.0/0006584	EL 2685	13/11/00
G296936	6503240	336090	0.3	Calcrete	Nodular - duplicate G296935 (deeper)	Auger	1		2.2	14	4	5	<10	<5	568.0/0006584	EL 2685	13/11/00
G296937	6502880	335910	1	Calcrete	Granular	Auger	<1		3.6	16	5	7	<10	<5	568.0/0006584	EL 2685	13/11/00
G296938	6502880	335910	2.5	Calcrete	Nodular - duplicate G296937 (deeper)	Auger	1		3.0	15	6	6	<10	<5	568.0/0006584	EL 2685	13/11/00
G296939	6502840	336100	1	Calcrete	Sandy\granules	Auger	2		4.1	20	6	7	<10	<5	568.0/0006584	EL 2685	13/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296940	6502840	336100	2	Calcrete	Nodular - duplicate G296937 (deeper)	Auger	1		4.0	27	6	7	<10	<5	568.0/0006584	EL 2685	13/11/00
G296941	6502810	336300	1	Calcrete	Granular	Auger	<1		3.8	19	7	9	<10	<5	568.0/0006584	EL 2685	13/11/00
G296942	6502810	336300	2.5	Calcrete	Nodular - duplicate G296941 (deeper)	Auger	<1		2.7	16	5	6	<10	<5	568.0/0006584	EL 2685	13/11/00
G296943	6502780	336510	1.5	Calcrete	Sandy\granules	Auger	<1		5.7	25	8	11	<10	<5	568.0/0006584	EL 2685	13/11/00
G296944	6502780	336510	3.6	Calcrete	Nodular - duplicate G296943 (deeper)	Auger	<1		3.9	21	7	8	<10	<5	568.0/0006584	EL 2685	13/11/00
G296945	6502400	336600	4	Calcrete	Sandy\granules	Auger	1		1.9	11	4	4	<10	<5	568.0/0006584	EL 2685	14/11/00
G296946	6502470	336485	1	Calcrete	Granular	Auger	2		6.3	15	6	8	<10	5	568.0/0006584	EL 2685	14/11/00
G296947	6502517	336385	0.1	Calcrete	Massive	Auger	2		6.2	10	5	7	<10	<5	568.0/0006584	EL 2685	14/11/00
G296948	6502543	336280	2	Calcrete	Nodular	Auger	<1		3.8	22	16	9	<10	8	568.0/0006584	EL 2685	14/11/00
G296949	6502555	336180	4	Calcrete	Nodular	Auger	<1		2.7	14	5	5	<10	<5	568.0/0006584	EL 2685	14/11/00
G296950	6502570	336085	4	Calcrete	Nodular	Auger	<1		2.7	23	5	6	<10	<5	568.0/0006584	EL 2685	14/11/00
G296951	6502325	336490	3	Calcrete	Nodular - original co-ords on top of dune	Auger	1		6.9	17	7	9	<10	<5	568.0/0006584	EL 2685	14/11/00
G296952	6502495	336300	4.5	Calcrete	Nodular	Auger	<1		4.5	15	5	6	<10	<5	568.0/0006584	EL 2685	14/11/00
G296953	6502480	336115	8	Calcrete	Nodular - original co-ords on top of dune	Auger	<1		2.8	14	4	4	<10	<5	568.0/0006584	EL 2685	14/11/00
G296954	6502510	335910	8	Calcrete	Nodular - original co-ords on top of dune	Auger	<1		4.2	15	7	5	<10	<5	568.0/0006584	EL 2685	14/11/00
G296955	6502990	335310	2	Calcrete	Nodular	Auger	<1		6.1	18	6	9	<10	<5	568.0/0006584	EL 2685	14/11/00
G296956	6502300	336600	3	Calcrete	Nodular	Auger	<1		5.4	15	8	8	<10	<5	568.0/0006584	EL 2685	14/11/00
G296957	6502300	336500	3	Calcrete	Nodular	Auger	<1		6.1	17	8	11	<10	<5	568.0/0006584	EL 2685	14/11/00
G296958	6502300	336400	3	Calcrete	Nodular	Auger	1		4.1	16	7	8	<10	<5	568.0/0006584	EL 2685	14/11/00
G296959	6502300	336300	3	Calcrete	Sandy\granules	Auger	<1		3.4	16	5	6	<10	<5	568.0/0006584	EL 2685	14/11/00
G296960	6502300	336200	8	Calcrete	Nodular	Auger	1		2.2	12	4	4	<10	<5	568.0/0006584	EL 2685	15/11/00
G296961	6502300	336100	1.5	Calcrete	Nodular	Auger	<1		3.2	16	5	7	<10	6	568.0/0006584	EL 2685	15/11/00
G296962	6502300	336000	2	Calcrete	Nodules\grainy	Auger	<1		3.7	19	12	7	<10	<5	568.0/0006584	EL 2685	15/11/00
G296963	6502300	335900	3	Calcrete	Nodular	Auger	<1		3.7	18	6	7	<10	<5	568.0/0006584	EL 2685	15/11/00
G296964	6502300	335800	3.5	Calcrete	Nodular	Auger	<1		3.3	19	5	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G296965	6502400	335800	3	Calcrete	Nodular	Auger	<1		3.0	18	6	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G296966	3502400	335900	4	Calcrete	Nodules\sandy	Auger	1		2.5	53	5	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G296967	3502400	336000	4	Calcrete	Granular	Auger	<1		2.3	13	4	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G296968	6502200	335800	5	Calcrete	Nodules\soil	Auger	<1		3.2	18	6	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G296969	6502200	335900	4.5	Calcrete	Nodules\clay	Auger	<1		3.0	16	5	6	<10	<5	568.0/0006584	EL 2685	17/11/00
G296970	6502200	336000	3	Calcrete	Granular\nodules	Auger	<1		3.2	18	5	6	<10	<5	568.0/0006584	EL 2685	17/11/00
G296971	6502200	336100	2	Calcrete	Massive	Auger	1		7.9	12	6	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G296972	6502200	336200	2	Calcrete	Nodular	Auger	<1		5.5	16	7	8	<10	<5	568.0/0006584	EL 2685	17/11/00
G296973	6502200	336300	2	Calcrete	Nodular	Auger	<1		4.9	16	6	9	<10	<5	568.0/0006584	EL 2685	17/11/00
G296974	6502200	336400	1.5	Calcrete	Massive\nodules	Auger	2		5.6	17	11	11	<10	5	568.0/0006584	EL 2685	17/11/00
G296975	6502200	336500	1	Calcrete	Nodular	Auger	3		5.0	18	9	12	<10	<5	568.0/0006584	EL 2685	17/11/00
G296976	6502200	336600	2.5	Calcrete	Nodular	Auger	1		4.7	13	7	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G296977	6502100	336600	2	Calcrete	Nodular	Auger	<1		7.4	11	5	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G296978	6502100	336500	3	Calcrete	Nodular	Auger	2		4.3	14	5	8	<10	6	568.0/0006584	EL 2685	17/11/00
G296979	6502100	336400	3	Calcrete	Nodular	Auger	2		4.1	15	5	9	<10	<5	568.0/0006584	EL 2685	17/11/00
G296980	6502100	336300	2.5	Calcrete	Massive\nodules	Auger	3		4.5	16	7	11	<10	<5	568.0/0006584	EL 2685	17/11/00
G296981	6502100	336200	1	Calcrete	Massive	Auger	<1		3.0	15	4	6	<10	6	568.0/0006584	EL 2685	17/11/00
G296982	6502100	336100	1.5	Calcrete	Nodules\soil	Auger	<1		4.1	23	5	10	<10	<5	568.0/0006584	EL 2685	17/11/00
G296983	6502100	336000	3.5	Calcrete	Nodules\soil	Auger	2		3.0	18	4	7	<10	6	568.0/0006584	EL 2685	17/11/00
G296984	6502100	335900	3	Calcrete	Nodules\soil	Auger	<1		2.8	14	4	5	<10	<5	568.0/0006584	EL 2685	17/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G296985	6502100	335800	4	Calcrete	Nodular	Auger	<1		4.7	11	5	6	<10	<5	568.0/0006584	EL 2685	17/11/00
G296986	6502000	335800	0.5	Calcrete	Massive	Auger	<1		4.4	12	3	5	<10	<5	568.0/0006584	EL 2685	18/11/00
G296987	6502000	335900	3	Calcrete	Nodules\soil	Auger	1		6.0	15	5	8	<10	<5	568.0/0006584	EL 2685	18/11/00
G296988	6502000	336000	3	Calcrete	Nodules\soil	Auger	<1		4.2	16	6	8	<10	<5	568.0/0006584	EL 2685	18/11/00
G296989	6502000	336100	3	Calcrete	Nodules\soil	Auger	<1		4.8	18	6	9	<10	<5	568.0/0006584	EL 2685	18/11/00
G296990	6502000	336200	1.5	Calcrete	Nodules\grainy	Auger	<1		5.9	19	7	11	<10	<5	568.0/0006584	EL 2685	18/11/00
G296991	6502000	336300	1	Calcrete	Massive	Auger	3		4.8	16	6	10	<10	<5	568.0/0006584	EL 2685	18/11/00
G296992	6502000	336400	1	Calcrete	Massive	Auger	<1		6.2	14	6	11	<10	<5	568.0/0006584	EL 2685	18/11/00
G296993	6502000	336500	1	Calcrete	Nodular	Auger	2		5.0	13	9	10	<10	<5	568.0/0006584	EL 2685	18/11/00
G296994	6502000	336600	1.5	Calcrete	Nodular	Auger	<1		5.7	19	9	12	<10	<5	568.0/0006584	EL 2685	18/11/00
G296995	6501900	336200	1.5	Calcrete	Nodular	Auger	2		3.4	10	6	7	12	<5	568.0/0006584	EL 2685	18/11/00
G296996	6501900	336300	1	Calcrete	Massive	Auger	<1		4.5	16	7	10	<10	5	568.0/0006584	EL 2685	18/11/00
G296997	6501900	336400	1	Calcrete	Massive	Auger	<1		4.7	16	7	10	<10	<5	568.0/0006584	EL 2685	18/11/00
G296998	6501900	336500	3	Calcrete	Massive	Auger	1		3.7	16	7	9	<10	<5	568.0/0006584	EL 2685	18/11/00
G296999	6501900	336600	2	Calcrete	Nodular	Auger	<1		3.7	15	7	9	<10	<5	568.0/0006584	EL 2685	18/11/00
G297000	6502150	335550	4	Calcrete	Nodular	Auger	<1		2.7	13	4	6	<10	<5	568.0/0006584	EL 2685	18/11/00
G297001	6502320	335270	1	Calcrete	Nodular	Auger	<1		9.3	16	8	10	<10	<5	568.0/0006584	EL 2685	18/11/00
G297002	6502270	335110	3	Calcrete	Nodular	Auger	2		3.5	13	5	5	<10	<5	568.0/0006584	EL 2685	18/11/00
G297003	6502320	334900	1.5	Calcrete	Nodular	Auger	<1		4.8	16	6	7	<10	<5	568.0/0006584	EL 2685	18/11/00
G297004	6502320	334700	1.8	Calcrete	Nodular	Auger	<1		4.3	15	5	7	<10	<5	568.0/0006584	EL 2685	18/11/00
G297005	6501940	334500	2	Calcrete	Nodular	Auger	<1		4.7	16	5	7	<10	<5	568.0/0006584	EL 2685	18/11/00
G297006	6501410	335100	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	18/11/00
G297007	6501470	334910	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	18/11/00
G297008	6501750	334300	4	Calcrete	Soil\nodules - original northing sharp dune	Auger	<1		3.0	12	4	5	<10	<5	568.0/0006584	EL 2685	18/11/00
G297011	6503000	338000	0.5	Calcrete	Nodular\Massive	Auger	1		6.8	12	7	16	<10	<5	568.0/0006584	EL 2685	18/11/00
G297012	6503000	338100	0.7	Calcrete	Nodular\Massive	Auger	<1		5.6	15	14	25	<10	<5	568.0/0006584	EL 2685	18/11/00
G297013	6503000	338200	2	Calcrete	Nodular	Auger	2		4.4	13	13	16	<10	<5	568.0/0006584	EL 2685	18/11/00
G297014	6503000	338300	0.2	Calcrete	Massive	Auger	2		6.0	7	33	21	<10	<5	568.0/0006584	EL 2685	18/11/00
G297015	6503000	338400	0.4	Calcrete	Massive	Auger	<1		7.1	13	14	20	<10	<5	568.0/0006584	EL 2685	18/11/00
G297016	6502900	338400	0.3	Calcrete	Massive	Auger	<1		6.4	12	15	15	<10	<5	568.0/0006584	EL 2685	18/11/00
G297017	6502900	338300	1.5	Calcrete	Nodular	Auger	<1		4.9	14	13	19	<10	6	568.0/0006584	EL 2685	18/11/00
G297018	6502900	338200	1.5	Calcrete	Massive	Auger	<1		4.9	12	16	20	<10	<5	568.0/0006584	EL 2685	18/11/00
G297019	6502900	338100	0.3	Calcrete	Massive	Auger	<1		5.4	14	14	25	<10	<5	568.0/0006584	EL 2685	18/11/00
G297020	6502900	338000	0.5	Calcrete	Massive	Auger	<1		6.3	12	12	19	<10	<5	568.0/0006584	EL 2685	18/11/00
G297021	6502800	338000	1	Calcrete	Massive	Auger	<1		6.6	17	23	23	<10	<5	568.0/0006584	EL 2685	18/11/00
G297022	6502800	338100	1.5	Calcrete	Massive	Auger	2		8.2	19	14	27	<10	<5	568.0/0006584	EL 2685	18/11/00
G297023	6502800	338200	0.6	Calcrete	Massive	Auger	<1		6.2	15	21	27	<10	<5	568.0/0006584	EL 2685	18/11/00
G297024	6502800	338300	0.4	Calcrete	Massive	Auger	<1		6.8	12	21	22	<10	<5	568.0/0006584	EL 2685	18/11/00
G297025	6502800	338400	0.5	Calcrete	Nodular	Auger	<1		4.2	9	29	12	13	<5	568.0/0006584	EL 2685	18/11/00
G297026	6502700	338400	1.3	Calcrete	Nodular	Auger	<1		4.1	15	9	12	<10	<5	568.0/0006584	EL 2685	18/11/00
G297027	6502700	338300	1.8	Calcrete	Nodular	Auger	1		3.6	12	7	13	<10	<5	568.0/0006584	EL 2685	18/11/00
G297028	6502700	338200	1	Calcrete	Nodular	Auger	<1		5.1	12	17	21	<10	<5	568.0/0006584	EL 2685	18/11/00
G297029	6502700	338100	1	Calcrete	Nodular	Auger	2		4.6	14	17	26	<10	<5	568.0/0006584	EL 2685	18/11/00
G297030	6502700	338000	1.5	Calcrete	Nodular	Auger	<1		5.9	16	17	28	<10	<5	568.0/0006584	EL 2685	18/11/00
G297031	6502600	338000	2.5	Calcrete	Nodular	Auger	<1		4.5	14	10	20	<10	<5	568.0/0006584	EL 2685	18/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297032	6502600	338100	1.5	Calcrete	Nodular	Auger	2		6.2	16	27	24	<10	<5	568.0/0006584	EL 2685	18/11/00
G297033	6502600	338200	1.3	Calcrete	Nodular	Auger	<1		6.3	15	30	25	<10	<5	568.0/0006584	EL 2685	18/11/00
G297034	6502600	338300	1	Calcrete	Nodular	Auger	1		4.4	10	29	18	<10	<5	568.0/0006584	EL 2685	18/11/00
G297035	6502600	338400	0.4	Calcrete	Nodular	Auger	<1		5.3	12	13	18	<10	<5	568.0/0006584	EL 2685	18/11/00
G297036	6502500	338500	1	Calcrete	Nodular	Auger	<1		6.7	10	11	15	<10	<5	568.0/0006584	EL 2685	18/11/00
G297037	6502500	338400	0.5	Calcrete	Nodular	Auger	<1		5.4	13	15	20	<10	<5	568.0/0006584	EL 2685	18/11/00
G297038	6502500	338300	1.5	Calcrete	Nodular	Auger	<1		4.9	11	16	17	<10	6	568.0/0006584	EL 2685	18/11/00
G297039	6502500	338200	1.2	Calcrete	Nodular	Auger	<1		6.0	13	25	24	<10	<5	568.0/0006584	EL 2685	18/11/00
G297040	6502500	338100	1.4	Calcrete	Nodular	Auger	<1		5.9	11	19	19	<10	<5	568.0/0006584	EL 2685	18/11/00
G297041	6502500	338000	1.6	Calcrete	Nodular	Auger	<1		10.3	13	14	18	<10	6	568.0/0006584	EL 2685	18/11/00
G297042	6502400	338000	0.2	Calcrete	Massive	Auger	<1		6.6	9	21	19	<10	<5	568.0/0006584	EL 2685	18/11/00
G297043	6502400	338100	0.4	Calcrete	Massive	Auger	<1		6.8	14	26	30	<10	<5	568.0/0006584	EL 2685	18/11/00
G297044	6502400	338200	0.1	Calcrete	Massive	Auger	<1		7.6	9	28	21	<10	6	568.0/0006584	EL 2685	18/11/00
G297045	6502400	338300	0.3	Calcrete	Massive	Auger	1		5.9	13	24	26	<10	<5	568.0/0006584	EL 2685	18/11/00
G297046	6502400	338400	0.3	Calcrete	Massive	Auger	2	2	5.8	12	23	17	12	<5	568.0/0006584	EL 2685	18/11/00
G297047	6502400	338500	0.5	Calcrete	Massive	Auger	2		5.7	13	14	18	<10	<5	568.0/0006584	EL 2685	18/11/00
G297048	6502300	338500	1	Calcrete	Nodular\Massive	Auger	<1		4.8	15	12	18	<10	<5	568.0/0006584	EL 2685	18/11/00
G297049	6502300	338400	1.5	Calcrete	Nodular\Massive	Auger	<1		0.8	12	2	4	<10	<5	568.0/0006584	EL 2685	18/11/00
G297050	6502300	338300	1.5	Calcrete	Nodular	Auger	<1		6.5	16	13	24	<10	<5	568.0/0006584	EL 2685	18/11/00
G297051	6502300	338200	1.2	Calcrete	Massive	Auger	<1		5.3	12	25	23	<10	<5	568.0/0006584	EL 2685	18/11/00
G297052	6502300	338100	1	Calcrete	Nodular\Massive	Auger	<1		5.5	13	34	24	<10	<5	568.0/0006584	EL 2685	18/11/00
G297053	6502300	338000	0.6	Calcrete	Massive	Auger	<1		4.7	12	20	19	<10	<5	568.0/0006584	EL 2685	18/11/00
G297054	6502200	338000	0.6	Calcrete	Nodular	Auger	<1		6.1	12	19	20	<10	<5	568.0/0006584	EL 2685	18/11/00
G297055	6502200	338100	1.2	Calcrete	Nodular	Auger	<1		5.8	15	15	23	<10	<5	568.0/0006584	EL 2685	18/11/00
G297056	6502200	338200	1.4	Calcrete	Nodular	Auger	<1		6.7	12	17	22	<10	<5	568.0/0006584	EL 2685	18/11/00
G297057	6502200	338300	1.5	Calcrete	Massive	Auger	<1		6.9	14	11	19	<10	<5	568.0/0006584	EL 2685	18/11/00
G297058	6502200	338400	0.7	Calcrete	Nodular	Auger	2		5.1	13	17	21	<10	<5	568.0/0006584	EL 2685	18/11/00
G297059	6502200	338500	0.6	Calcrete	Nodular\Massive	Auger	1		5.0	11	17	16	<10	<5	568.0/0006584	EL 2685	18/11/00
G297060	6502100	338500	1.5	Calcrete	Massive	Auger	<1		6.3	13	10	14	<10	<5	568.0/0006584	EL 2685	18/11/00
G297061	6502100	338400	0.4	Calcrete	Nodular\Massive	Auger	<1		6.0	15	14	18	<10	<5	568.0/0006584	EL 2685	19/11/00
G297062	6502100	338300	0.5	Calcrete	Massive	Auger	<1		5.7	15	14	19	<10	<5	568.0/0006584	EL 2685	19/11/00
G297063	6502100	338200	0.4	Calcrete	Massive	Auger	<1		4.8	13	15	23	<10	5	568.0/0006584	EL 2685	19/11/00
G297064	6502100	338100	0.6	Calcrete	Nodular	Auger	<1		7.5	13	17	26	<10	<5	568.0/0006584	EL 2685	19/11/00
G297065	6502100	338000	1.5	Calcrete	Nodular	Auger	<1		5.1	11	14	12	<10	<5	568.0/0006584	EL 2685	19/11/00
G297066	6502000	338000	1.6	Calcrete	Nodular	Auger	<1		4.7	16	10	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297067	6502000	338100	1.8	Calcrete	Nodular	Auger	<1		5.2	15	10	22	<10	<5	568.0/0006584	EL 2685	19/11/00
G297068	6502000	338200	0.4	Calcrete	Massive	Auger	<1		3.5	12	8	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297069	6502000	338300	0.2	Calcrete	Massive	Auger	<1		7.9	10	11	18	<10	<5	568.0/0006584	EL 2685	19/11/00
G297070	6502000	338400	0.3	Calcrete	Massive	Auger	2		6.2	11	7	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297071	6502000	338500	1.2	Calcrete	Nodular	Auger	2		6.2	10	6	9	<10	<5	568.0/0006584	EL 2685	19/11/00
G297072	6501900	338500	1	Calcrete	Nodular	Auger	1		7.1	12	6	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297073	6501900	338400	0.6	Calcrete	Nodular\Massive	Auger	1		6.5	12	6	11	<10	6	568.0/0006584	EL 2685	19/11/00
G297074	6501900	338300	0.5	Calcrete	Nodular	Auger	<1		8.1	10	8	21	<10	6	568.0/0006584	EL 2685	19/11/00
G297075	6501900	338200	0.4	Calcrete	Nodular	Auger	<1		6.1	15	19	35	<10	<5	568.0/0006584	EL 2685	19/11/00
G297076	6501900	338100	0.6	Calcrete	Nodular	Auger	<1		9.1	14	13	26	<10	<5	568.0/0006584	EL 2685	19/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297077	6501900	338000	0.1	Calcrete	Massive	Auger	<1		6.6	10	14	12	<10	<5	568.0/0006584	EL 2685	19/11/00
G297078	6501800	338000	0.1	Calcrete	Nodular	Auger	<1		7.7	10	15	12	<10	8	568.0/0006584	EL 2685	19/11/00
G297079	6501800	338100	0.2	Calcrete	Nodular	Auger	<1		6.1	13	16	21	<10	<5	568.0/0006584	EL 2685	19/11/00
G297080	6501800	338200	0.5	Calcrete	Nodular	Auger	<1		7.2	12	10	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297081	6501800	338300	0.4	Calcrete	Massive	Auger	<1		5.1	12	14	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297082	6501800	338400	0.2	Calcrete	Nodular	Auger	<1		8.2	11	8	12	<10	8	568.0/0006584	EL 2685	19/11/00
G297083	6501800	338500	1	Calcrete	Nodular	Auger	<1		7.8	13	6	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297084	6501700	338500	0.4	Calcrete	Massive	Auger	<1		7.7	10	5	7	<10	<5	568.0/0006584	EL 2685	19/11/00
G297085	6501700	338400	0.1	Calcrete	Massive	Auger	<1		7.9	10	5	8	<10	7	568.0/0006584	EL 2685	19/11/00
G297086	6501700	338300	0.2	Calcrete	Massive	Auger	<1		7.4	7	10	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297087	6501700	338200	0.3	Calcrete	Massive	Auger	<1		6.6	13	9	18	<10	7	568.0/0006584	EL 2685	19/11/00
G297088	6501700	338100	0.1	Calcrete	Massive	Auger	2		5.5	11	19	21	<10	<5	568.0/0006584	EL 2685	19/11/00
G297089	6501700	338000	0.2	Calcrete	Massive/Nodular	Auger	<1		6.7	13	16	14	<10	<5	568.0/0006584	EL 2685	19/11/00
G297090	6501600	338000	0.5	Calcrete	Massive	Auger	<1		6.7	9	6	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297091	6501600	338100	1.5	Calcrete	Massive	Auger	2		4.7	15	10	19	<10	<5	568.0/0006584	EL 2685	19/11/00
G297092	6501600	338200	0.2	Calcrete	Massive	Auger	<1		7.4	9	8	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297093	6501600	338300	0.2	Calcrete	Massive	Auger	2		5.5	11	7	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297094	6501500	338400	1.6	Calcrete	Nodular	Auger	<1		8.6	13	5	9	<10	<5	568.0/0006584	EL 2685	19/11/00
G297095	6501500	338300	3.2	Calcrete	Clayey Nodules	Auger	<1		3.7	15	5	8	<10	<5	568.0/0006584	EL 2685	19/11/00
G297096	6501500	338200	1.6	Calcrete	Nodular	Auger	<1		4.1	14	6	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297097	6501500	338100	1	Calcrete	Nodular	Auger	1		5.2	12	15	18	<10	<5	568.0/0006584	EL 2685	19/11/00
G297098	6501500	338000	0.2	Calcrete	Massive	Auger	4	3	6.0	12	18	19	<10	<5	568.0/0006584	EL 2685	19/11/00
G297099	6501500	337900	1.6	Calcrete	Nodular	Auger	2		5.6	18	13	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297100	6501500	337800	1	Calcrete	Nodular	Auger	2		7.6	11	7	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297101	6501400	337800	1.2	Calcrete	Nodular	Auger	1		3.4	15	8	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297102	6501400	337900	1	Calcrete	Nodular	Auger	2		5.2	14	9	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297103	6501400	338000	2	Calcrete	Nodular	Auger	1		6.7	11	11	12	<10	<5	568.0/0006584	EL 2685	19/11/00
G297104	6501400	338100	0.2	Calcrete	Nodular	Auger	4	3	4.2	7	20	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297105	6501400	338200	0.4	Calcrete	Nodular	Auger	<1		6.0	7	6	6	<10	<5	568.0/0006584	EL 2685	19/11/00
G297106	6501400	338300	0.3	Calcrete	Massive	Auger	1		2.7	11	5	5	<10	<5	568.0/0006584	EL 2685	19/11/00
G297107	6501400	338400	0.1	Calcrete	Massive	Auger	3		6.1	9	7	8	<10	<5	568.0/0006584	EL 2685	19/11/00
G297108	6501300	338300	0.3	Calcrete	Massive	Auger	<1		6.5	10	10	8	<10	10	568.0/0006584	EL 2685	19/11/00
G297109	6501300	338200	0.6	Calcrete	Massive	Auger	<1		6.4	10	7	8	<10	<5	568.0/0006584	EL 2685	19/11/00
G297110	6501300	338100	0.5	Calcrete	Massive	Auger	<1		2.8	8	12	8	<10	<5	568.0/0006584	EL 2685	19/11/00
G297111	6501300	337800	1.8	Calcrete	Nodular	Auger	<1		4.4	17	7	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297112	6501300	337700	0.5	Calcrete	Nodular	Auger	<1		6.8	13	8	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297113	6501200	337700	0.1	Calcrete	Massive	Auger	<1		12.5	8	11	21	<10	<5	568.0/0006584	EL 2685	19/11/00
G297114	6501200	337800	0.1	Calcrete	Nodular\Massive	Auger	<1		6.1	7	11	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297115	6501200	337900	0.1	Calcrete	Massive	Auger	<1		3.3	5	25	42	<10	<5	568.0/0006584	EL 2685	19/11/00
G297116	6501200	338000	0.2	Calcrete	Nodular\Massive	Auger	2		4.8	8	22	17	<10	<5	568.0/0006584	EL 2685	19/11/00
G297117	6501200	338100	0.5	Calcrete	Nodular	Auger	<1		6.5	10	14	11	13	<5	568.0/0006584	EL 2685	19/11/00
G297118	6501200	338200	0.3	Calcrete	Nodular	Auger	1		7.8	11	8	12	<10	5	568.0/0006584	EL 2685	19/11/00
G297119	6501200	338300	0.3	Calcrete	Massive	Auger	<1		4.2	11	7	8	<10	8	568.0/0006584	EL 2685	19/11/00
G297120	6501100	338300	0.1	Calcrete	Massive	Auger	<1		7.7	7	6	6	<10	7	568.0/0006584	EL 2685	19/11/00
G297121	6501100	338200	0.1	Calcrete	Massive	Auger	<1		5.5	9	9	7	<10	<5	568.0/0006584	EL 2685	19/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297122	6501100	338100	0.1	Calcrete	Massive	Auger	<1		9.4	7	10	9	<10	<5	568.0/0006584	EL 2685	19/11/00
G297123	6501100	338000	0.2	Calcrete	Massive	Auger	<1		4.7	9	10	13	11	<5	568.0/0006584	EL 2685	19/11/00
G297124	6501100	337900	0.3	Calcrete	Massive	Auger	<1		6.3	10	17	29	<10	<5	568.0/0006584	EL 2685	19/11/00
G297125	6501100	337800	2	Calcrete	Nodular	Auger	<1		4.7	11	6	23	<10	<5	568.0/0006584	EL 2685	19/11/00
G297126	6501100	337700	2	Calcrete	Nodular	Auger	<1		8.5	11	9	16	<10	<5	568.0/0006584	EL 2685	19/11/00
G297127	6501000	337700	0.4	Calcrete	Massive	Auger	<1		6.7	10	5	14	<10	<5	568.0/0006584	EL 2685	19/11/00
G297128	6501000	337800	0.5	Calcrete	Nodular	Auger	<1		5.0	7	14	15	14	<5	568.0/0006584	EL 2685	19/11/00
G297129	6501000	337900	0.4	Calcrete	Massive/Nodular	Auger	<1		4.6	12	26	22	<10	<5	568.0/0006584	EL 2685	19/11/00
G297130	6501000	338000	0.2	Calcrete	Massive	Auger	2		5.9	7	18	19	<10	<5	568.0/0006584	EL 2685	19/11/00
G297131	6501000	338100	0.3	Calcrete	Massive	Auger	<1		5.3	11	8	16	<10	<5	568.0/0006584	EL 2685	19/11/00
G297132	6501000	338200	0.6	Calcrete	Nodular	Auger	<1		6.2	10	8	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297133	6501000	338300	0.4	Calcrete	Nodular	Auger	<1		5.9	9	7	8	10	<5	568.0/0006584	EL 2685	19/11/00
G297134	6500900	338100	0.4	Calcrete	Massive	Auger	<1		7.1	8	7	9	11	<5	568.0/0006584	EL 2685	19/11/00
G297135	6500900	338000	0.8	Calcrete	Nodular	Auger	<1		6.1	9	11	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297136	6500900	337900	0.5	Calcrete	Nodular	Auger	<1		4.6	12	10	18	<10	<5	568.0/0006584	EL 2685	19/11/00
G297137	6500900	337800	0.4	Calcrete	Massive	Auger	<1		4.4	9	25	17	<10	<5	568.0/0006584	EL 2685	19/11/00
G297138	6500900	337700	0.7	Calcrete	Nodular	Auger	2		4.4	10	28	16	<10	8	568.0/0006584	EL 2685	19/11/00
G297139	6500900	337600	0.8	Calcrete	Nodular	Auger	<1		3.3	10	12	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297140	6500900	337500	0.3	Calcrete	Massive	Auger	<1		5.4	10	26	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297141	6500900	337400	0.2	Calcrete	Massive	Auger	<1		5.3	5	8	6	<10	<5	568.0/0006584	EL 2685	19/11/00
G297142	6500900	337300	0.5	Calcrete	Massive	Auger	2		6.0	9	20	14	13	<5	568.0/0006584	EL 2685	19/11/00
G297143	6500900	337200	0.9	Calcrete	Nodular	Auger	<1		4.4	15	10	11	<10	<5	568.0/0006584	EL 2685	19/11/00
G297144	6500900	337100	0.5	Calcrete	Nodular	Auger	2		5.1	15	22	18	<10	<5	568.0/0006584	EL 2685	19/11/00
G297145	6500900	337000	0.5	Calcrete	Nodular	Auger	<1		3.8	12	17	12	<10	7	568.0/0006584	EL 2685	19/11/00
G297146	6500900	336900	0.6	Calcrete	Massive	Auger	2		4.3	10	16	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297147	6500900	336800	0.2	Calcrete	Massive	Auger	<1		5.9	14	12	15	12	<5	568.0/0006584	EL 2685	19/11/00
G297148	6500900	336700	0.5	Calcrete	Nodular	Auger	<1		4.1	10	13	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297149	6500900	336600	0.5	Calcrete	Nodular	Auger	<1		3.4	11	25	11	<10	8	568.0/0006584	EL 2685	19/11/00
G297150	6500900	336500	2	Calcrete	Nodular	Auger	<1		5.4	15	11	12	<10	5	568.0/0006584	EL 2685	19/11/00
G297151	6500900	336400	0.5	Calcrete	Nodular	Auger	<1		4.1	13	15	13	<10	10	568.0/0006584	EL 2685	19/11/00
G297152	6500800	336400	0.4	Calcrete	Nodular	Auger	<1		3.9	10	22	12	18	<5	568.0/0006584	EL 2685	19/11/00
G297153	6500800	336500	0.5	Calcrete	Nodular	Auger	<1		3.9	12	21	13	12	<5	568.0/0006584	EL 2685	19/11/00
G297154	6500800	336600	0.5	Calcrete	Nodular	Auger	<1		4.3	10	29	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297155	6500800	336700	0.5	Calcrete	Nodular	Auger	<1		4.7	10	34	16	<10	<5	568.0/0006584	EL 2685	19/11/00
G297156	6500800	336800	0.4	Calcrete	Nodular	Auger	3		4.5	11	20	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297157	6500800	336900	0.5	Calcrete	Nodular	Auger	<1		4.7	14	20	16	<10	<5	568.0/0006584	EL 2685	19/11/00
G297158	6500800	337000	0.4	Calcrete	Nodular	Auger	<1		4.1	9	26	12	<10	<5	568.0/0006584	EL 2685	19/11/00
G297159	6500800	337100	0.4	Calcrete	Nodular	Auger	<1		4.0	12	22	14	15	<5	568.0/0006584	EL 2685	19/11/00
G297160	6500800	337200	0.5	Calcrete	Nodular	Auger	<1		4.0	13	23	15	<10	<5	568.0/0006584	EL 2685	19/11/00
G297161	6500800	337300	0.5	Calcrete	Nodular\Massive	Auger	<1		5.5	12	24	17	<10	<5	568.0/0006584	EL 2685	19/11/00
G297162	6500800	337400	1.6	Calcrete	Nodular	Auger	<1		5.2	15	13	13	<10	<5	568.0/0006584	EL 2685	19/11/00
G297163	6500800	337500	0.5	Calcrete	Nodular	Auger	<1		3.7	11	29	18	<10	5	568.0/0006584	EL 2685	19/11/00
G297164	6500800	337600	0.1	Calcrete	Massive	Auger	<1		3.8	9	33	25	<10	5	568.0/0006584	EL 2685	19/11/00
G297165	6500800	337700	0.2	Calcrete	Massive	Auger	<1		4.5	11	21	25	<10	5	568.0/0006584	EL 2685	19/11/00
G297166	6500800	337800	1.6	Calcrete	Massive	Auger	<1		6.7	10	14	16	<10	<5	568.0/0006584	EL 2685	19/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297167	6500800	337900	0.6	Calcrete	Nodular	Auger	<1		5.9	8	10	10	<10	<5	568.0/0006584	EL 2685	19/11/00
G297168	6500800	338000	0.2	Calcrete	Massive/Nodular	Auger	<1		5.7	7	9	7	10	<5	568.0/0006584	EL 2685	19/11/00
G297169	6500800	338100	0.1	Calcrete	Massive	Auger	1		4.6	6	7	7	13	7	568.0/0006584	EL 2685	19/11/00
G297170	6500700	336400	0.6	Calcrete	Nodular	Auger	<1		4.5	14	21	20	10	<5	568.0/0006584	EL 2685	20/11/00
G297171	6500700	336500	0.5	Calcrete	Nodular	Auger	<1		4.3	13	35	20	<10	<5	568.0/0006584	EL 2685	20/11/00
G297172	6500700	336600	0.6	Calcrete	Nodular	Auger	<1		4.8	16	16	22	<10	<5	568.0/0006584	EL 2685	20/11/00
G297173	6500700	336700	0.5	Calcrete	Massive/Nodular	Auger	2		3.7	9	29	16	<10	<5	568.0/0006584	EL 2685	20/11/00
G297174	6500700	336800	0.8	Calcrete	Clayey Nodules	Auger	<1		4.5	15	21	18	<10	<5	568.0/0006584	EL 2685	20/11/00
G297175	6500700	336900	0.4	Calcrete	Nodular	Auger	<1		4.2	14	19	22	<10	6	568.0/0006584	EL 2685	20/11/00
G297176	6500700	337000	1	Calcrete	Nodular	Auger	<1		4.9	14	23	17	<10	<5	568.0/0006584	EL 2685	20/11/00
G297177	6500700	337100	1	Calcrete	Nodular	Auger	<1		4.8	13	17	17	<10	<5	568.0/0006584	EL 2685	20/11/00
G297178	6500700	337200	0.6	Calcrete	Nodular\Massive	Auger	<1		4.2	13	20	18	<10	<5	568.0/0006584	EL 2685	20/11/00
G297179	6500700	337300	0.3	Calcrete	Massive	Auger	<1		6.6	12	10	25	11	7	568.0/0006584	EL 2685	20/11/00
G297180	6500700	337400	0.6	Calcrete	Massive	Auger	<1		5.2	13	18	27	<10	<5	568.0/0006584	EL 2685	20/11/00
G297181	6500700	337500	0.4	Calcrete	Nodular	Auger	<1		5.3	10	31	29	13	<5	568.0/0006584	EL 2685	20/11/00
G297182	6500700	337600	0.2	Calcrete	Nodular	Auger	<1		4.8	6	27	21	<10	<5	568.0/0006584	EL 2685	20/11/00
G297183	6500700	337700	0.3	Calcrete	Nodular	Auger	<1		6.3	10	32	22	11	<5	568.0/0006584	EL 2685	20/11/00
G297184	6500700	337800	0.4	Calcrete	Nodular\Massive	Auger	2		6.1	9	9	10	10	<5	568.0/0006584	EL 2685	20/11/00
G297185	6500700	337900	0.8	Calcrete	Nodular	Auger	<1		6.6	11	9	13	<10	<5	568.0/0006584	EL 2685	20/11/00
G297186	6500700	338000	1	Calcrete	Nodular	Auger	<1		8.6	9	7	10	<10	7	568.0/0006584	EL 2685	20/11/00
G297187	6500700	338100	0.6	Calcrete	Nodular	Auger	<1		6.8	9	6	9	<10	6	568.0/0006584	EL 2685	20/11/00
G297188	6500600	338000	1.5	Calcrete	Nodular	Auger	<1		7.4	13	9	13	<10	7	568.0/0006584	EL 2685	20/11/00
G297189	6500600	337900	0.2	Calcrete	Massive	Auger	<1		10.5	7	7	9	<10	6	568.0/0006584	EL 2685	20/11/00
G297190	6500600	337800	1	Calcrete	Nodular	Auger	<1		7.3	10	11	12	<10	8	568.0/0006584	EL 2685	20/11/00
G297191	6500600	337700	0.3	Calcrete	Massive	Auger	<1		4.7	9	11	11	<10	<5	568.0/0006584	EL 2685	20/11/00
G297192	6500600	337600	0.4	Calcrete	Nodular	Auger	2		3.5	8	24	17	14	10	568.0/0006584	EL 2685	20/11/00
G297193	6500600	337500	0.5	Calcrete	Nodular	Auger	<1		6.4	11	16	31	<10	10	568.0/0006584	EL 2685	20/11/00
G297194	6500600	337400	0.5	Calcrete	Nodular	Auger	<1		4.7	9	26	27	13	6	568.0/0006584	EL 2685	20/11/00
G297195	6500600	337300	1.6	Calcrete	Nodular	Auger	<1		5.4	12	13	24	11	8	568.0/0006584	EL 2685	20/11/00
G297196	6500600	337200	1.8	Calcrete	Nodular	Auger	<1		3.6	12	17	18	<10	7	568.0/0006584	EL 2685	20/11/00
G297197	6500600	337100	1	Calcrete	Nodular	Auger	<1		3.1	9	20	12	10	<5	568.0/0006584	EL 2685	20/11/00
G297198	6500600	337000	1.2	Calcrete	Nodular	Auger	<1		4.0	13	22	16	11	6	568.0/0006584	EL 2685	20/11/00
G297199	6500600	336900	1.6	Calcrete	Clayey Nodules	Auger	<1		4.2	14	30	15	11	9	568.0/0006584	EL 2685	20/11/00
G297200	6500600	336800	0.6	Calcrete	Nodular	Auger	<1		4.8	12	33	18	15	6	568.0/0006584	EL 2685	20/11/00
G297201	6500600	336700	0.6	Calcrete	Nodular	Auger	<1		5.4	12	40	21	12	<5	568.0/0006584	EL 2685	20/11/00
G297202	6500600	336600	1	Calcrete	Nodular	Auger	<1		5.5	13	47	19	11	8	568.0/0006584	EL 2685	20/11/00
G297203	6500600	336500	0.4	Calcrete	Nodular	Auger	1		4.9	9	41	19	<10	8	568.0/0006584	EL 2685	20/11/00
G297204	6500600	336400	1.8	Calcrete	Clayey Nodules	Auger	<1		6.7	14	41	18	<10	<5	568.0/0006584	EL 2685	20/11/00
G297205	6500500	336400	1.5	Calcrete	Nodular	Auger	<1		4.8	14	17	18	<10	8	568.0/0006584	EL 2685	20/11/00
G297206	6500500	336500	1.5	Calcrete	Nodular	Auger	<1		5.0	15	21	19	<10	5	568.0/0006584	EL 2685	20/11/00
G297207	6500500	336600	1	Calcrete	Nodular	Auger	<1		5.1	10	43	21	<10	7	568.0/0006584	EL 2685	20/11/00
G297208	6500500	336700	0.6	Calcrete	Nodular	Auger	<1		4.8	11	34	17	<10	<5	568.0/0006584	EL 2685	20/11/00
G297209	6500500	336800	0.8	Calcrete	Nodular	Auger	<1		6.3	17	39	22	<10	<5	568.0/0006584	EL 2685	20/11/00
G297210	6500500	336900	1.8	Calcrete	Clayey Nodules	Auger	<1		4.5	16	25	13	12	<5	568.0/0006584	EL 2685	20/11/00
G297211	6500500	337000	1	Calcrete	Nodular	Auger	<1		4.6	14	29	17	<10	6	568.0/0006584	EL 2685	20/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au: Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297212	6500500	337100	0.8	Calcrete	Nodular	Auger	<1		5.1	35	42	5	14	<5	568.0/0006584	EL 2685	20/11/00
G297213	6500500	337200	0.8	Calcrete	Massive/Nodular	Auger	<1		3.7	18	23	10	10	7	568.0/0006584	EL 2685	20/11/00
G297214	6500500	337300	0.4	Calcrete	Nodular	Auger	<1		3.9	11	33	16	11	<5	568.0/0006584	EL 2685	20/11/00
G297215	6500500	337400	0.4	Calcrete	Nodular	Auger	<1		3.3	11	24	15	<10	<5	568.0/0006584	EL 2685	20/11/00
G297216	6500500	337500	0.5	Calcrete	Massive	Auger	2		4.4	11	44	22	<10	<5	568.0/0006584	EL 2685	20/11/00
G297217	6500400	337300	1	Calcrete	Nodular	Auger	<1		3.4	14	23	11	<10	<5	568.0/0006584	EL 2685	20/11/00
G297218	6500400	337200	1	Calcrete	Nodular	Auger	1		3.4	14	15	9	<10	<5	568.0/0006584	EL 2685	20/11/00
G297219	6500400	337100	0.5	Calcrete	Nodular	Auger	1		3.7	14	38	13	<10	<5	568.0/0006584	EL 2685	20/11/00
G297220	6500400	337000	0.6	Calcrete	Nodular	Auger	<1		3.5	12	33	20	12	6	568.0/0006584	EL 2685	20/11/00
G297221	6500400	336900	0.5	Calcrete	Nodular	Auger	1		5.1	14	39	15	<10	<5	568.0/0006584	EL 2685	20/11/00
G297222	6500400	336800	1.8	Calcrete	Nodular	Auger	<1		4.5	19	25	15	<10	9	568.0/0006584	EL 2685	20/11/00
G297223	6500400	336700	0.5	Calcrete	Nodular	Auger	<1		6.3	17	40	22	<10	9	568.0/0006584	EL 2685	20/11/00
G297224	6500400	336600	1	Calcrete	Nodular	Auger	<1		4.8	16	29	17	<10	<5	568.0/0006584	EL 2685	20/11/00
G297225	6500400	336500	1.2	Calcrete	Nodular	Auger	<1		5.6	20	30	21	<10	6	568.0/0006584	EL 2685	20/11/00
G297226	6500400	336400	1.5	Calcrete	Nodular	Auger	<1		4.6	20	20	14	<10	7	568.0/0006584	EL 2685	20/11/00
G297227	6500300	336400	1	Calcrete	Nodular\Massive	Auger	<1		3.6	17	31	19	<10	<5	568.0/0006584	EL 2685	20/11/00
G297228	6500300	336500	0.5	Calcrete	Nodular	Auger	<1		8.3	17	35	22	11	6	568.0/0006584	EL 2685	20/11/00
G297229	6500300	336600	1.8	Calcrete	Clayey Nodules	Auger	<1		4.8	19	36	21	<10	<5	568.0/0006584	EL 2685	20/11/00
G297230	6500300	336700	1.8	Calcrete	Nodular	Auger	<1		5.3	18	29	17	<10	<5	568.0/0006584	EL 2685	20/11/00
G297231	6500300	336800	0.4	Calcrete	Nodular	Auger	<1		5.0	14	30	14	<10	9	568.0/0006584	EL 2685	20/11/00
G297232	6500300	336900	1.8	Calcrete	Nodular	Auger	<1		4.1	24	16	12	<10	5	568.0/0006584	EL 2685	20/11/00
G297233	6500300	337000	0.3	Calcrete	Nodular	Auger	<1		3.6	15	32	15	<10	<5	568.0/0006584	EL 2685	20/11/00
G297234	6500300	337100	0.6	Calcrete	Nodular	Auger	<1		2.9	11	26	13	<10	8	568.0/0006584	EL 2685	20/11/00
G297235	6500300	337200	0.3	Calcrete	Nodular	Auger	3		3.9	13	30	16	12	9	568.0/0006584	EL 2685	20/11/00
G297236	6500300	337300	0.5	Calcrete	Nodular	Auger	<1		3.6	14	25	11	<10	<5	568.0/0006584	EL 2685	20/11/00
G297237	6500200	337300	0.2	Calcrete	Massive	Auger	<1		3.0	9	16	7	<10	<5	568.0/0006584	EL 2685	20/11/00
G297238	6500200	337200	0.4	Calcrete	Nodular	Auger	<1		4.4	16	16	11	<10	<5	568.0/0006584	EL 2685	20/11/00
G297239	6500200	337100	0.4	Calcrete	Nodular	Auger	<1		3.9	14	24	13	<10	<5	568.0/0006584	EL 2685	20/11/00
G297240	6500200	337000	0.5	Calcrete	Nodular	Auger	<1		4.5	15	28	10	<10	5	568.0/0006584	EL 2685	20/11/00
G297241	6500200	336900	0.8	Calcrete	Nodular	Auger	<1		5.2	24	23	15	<10	<5	568.0/0006584	EL 2685	20/11/00
G297242	6500200	336800	0.4	Calcrete	Nodular	Auger	2		4.2	17	34	15	<10	8	568.0/0006584	EL 2685	20/11/00
G297243	6500200	336700	0.5	Calcrete	Nodular	Auger	1		5.3	14	30	13	<10	6	568.0/0006584	EL 2685	20/11/00
G297244	6501100	336595	0.5	Calcrete	Nodular	Hand	1		3.7	15	16	8	<10	5	568.0/0006584	EL 2685	26/11/00
G297245	6501100	336495	0.2	Calcrete	Nodular	Hand	1		5.2	9	13	7	<10	6	568.0/0006584	EL 2685	26/11/00
G297246	6501100	336400	0.4	Calcrete	Nodular	Hand	1		6.6	9	18	9	<10	<5	568.0/0006584	EL 2685	26/11/00
G297247	6501100	336305	0.7	Calcrete	Massive	Hand	1		6.0	19	18	14	<10	6	568.0/0006584	EL 2685	26/11/00
G297248	6501100	336200	1	Calcrete	No Sample	Hand			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	26/11/00
G297249	6501210	336200	0.8	Calcrete	Nodular	Hand	<1		4.2	20	18	11	0	0	568.0/0006584	EL 2685	26/11/00
G297250	6501200	336300	0.4	Calcrete	Nodular	Hand	3		5.7	18	23	11	14	7	568.0/0006584	EL 2685	26/11/00
G297251	6501200	336400	0.8	Calcrete	Massive/Nodular	Hand	<1		5.7	11	7	5	0	10	568.0/0006584	EL 2685	26/11/00
G297252	6501200	336500	0.6	Calcrete	Nodular	Hand	1		2.2	10	7	4	0	0	568.0/0006584	EL 2685	26/11/00
G297253	6501205	336600	0.6	Calcrete	Nodular	Hand	1		4.8	22	11	7	0	5	568.0/0006584	EL 2685	26/11/00
G297254	6501300	336600	0.5	Calcrete	Nodular	Hand	<1		4.9	16	10	6	18	9	568.0/0006584	EL 2685	26/11/00
G297255	6501300	336500	0.8	Calcrete	Nodular	Hand	<1		3.4	12	9	4	11	0	568.0/0006584	EL 2685	26/11/00
G297256	6501300	336400	1	Calcrete	No Sample	Hand			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	26/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297257	6501300	336300	1	Calcrete	Massive	Hand	1		3.4	21	16	7	12	10	568.0/0006584	EL 2685	26/11/00
G297258	6501300	336200	0.4	Calcrete	Massive/Nodular	Hand	2		5.8	11	18	8	0	0	568.0/0006584	EL 2685	26/11/00
G297259	6501400	336200	1	Calcrete	Massive/Nodular	Hand	1		2.4	14	8	4	0	0	568.0/0006584	EL 2685	26/11/00
G297260	6501400	336300	1	Calcrete	No sample - dune	Hand			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	26/11/00
G297261	6501400	336400	1	Calcrete	No sample - dune	Hand			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	26/11/00
G297262	6501400	336500	0.6	Calcrete	Nodular	Hand	2		3.7	22	10	6	<10	7	568.0/0006584	EL 2685	26/11/00
G297263	6501400	336600	0.4	Calcrete	Nodular	Hand	<1		7.5	13	8	5	16	5	568.0/0006584	EL 2685	26/11/00
G297305	6502400	336600	6	Calcrete	Granular\Clayey - deeper duplicate G296945	Auger	<1		3.0	22	7	6	11	<5	568.0/0006584	EL 2685	14/11/00
G297306	6502470	336485	5	Calcrete	Nodular - deeper duplicate G296946	Auger	<1		2.2	13	4	4	<10	<5	568.0/0006584	EL 2685	14/11/00
G297307	6502517	336385	1	Calcrete	Nodular - deeper duplicate G296947	Auger	4	2	6.7	11	6	7	11	<5	568.0/0006584	EL 2685	14/11/00
G297308	6502543	336280	2.6	Calcrete	Nodular - deeper duplicate G296948	Auger	<1		4.1	11	9	5	<10	6	568.0/0006584	EL 2685	14/11/00
G297309	6502555	336180	8	Calcrete	Nodular - deeper duplicate G296949	Auger	<1		3.0	14	5	4	<10	<5	568.0/0006584	EL 2685	14/11/00
G297310	6502570	336080	8	Calcrete	Nodular - deeper duplicate G296950	Auger	<1		2.1	32	5	5	<10	6	568.0/0006584	EL 2685	14/11/00
G297311	6502370	336500	6	Calcrete	Nodular - deeper duplicate G296951	Auger	<1		4.4	16	9	9	<10	6	568.0/0006584	EL 2685	14/11/00
G297312	6502495	336300	7	Calcrete	Nodular - deeper duplicate G296952	Auger	1		2.2	21	5	4	<10	10	568.0/0006584	EL 2685	14/11/00
G297313	6502460	336090	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	14/11/00
G297314	6502510	335910	8.5	Calcrete	Granular\Soil - deeper duplicate G296954	Auger	<1		1.2	18	3	4	<10	8	568.0/0006584	EL 2685	14/11/00
G297315	6502990	335310	3.5	Calcrete	Granular - deeper duplicate G296955	Auger	2		4.3	16	5	7	<10	7	568.0/0006584	EL 2685	14/11/00
G297316	6502300	336600	4.5	Calcrete	Nodular - deeper duplicate G296956	Auger	<1		7.1	13	11	9	<10	6	568.0/0006584	EL 2685	14/11/00
G297317	6502300	336500	4.5	Calcrete	Granular - deeper duplicate G296957	Auger	<1		3.8	15	8	8	14	<5	568.0/0006584	EL 2685	14/11/00
G297318	6502300	336400	4.5	Calcrete	Granular - deeper duplicate G296958	Auger	<1		3.5	17	8	7	<10	<5	568.0/0006584	EL 2685	14/11/00
G297319	6502300	336300	3.2	Calcrete	Granular\Soil - deeper duplicate G296959	Auger	<1		2.2	21	4	6	<10	<5	568.0/0006584	EL 2685	14/11/00
G297320	6502300	336200	8.2	Calcrete	Granular\Soil - deeper duplicate G296960	Auger	<1		1.6	17	3	4	<10	<5	568.0/0006584	EL 2685	15/11/00
G297321	6502300	336100	3.5	Calcrete	Nodular - deeper duplicate G296961	Auger	<1		2.3	16	4	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297322	6502300	336000	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	15/11/00
G297323	6502300	335900	4	Calcrete	Nodular - deeper duplicate G296963	Auger	<1		3.5	13	6	5	13	<5	568.0/0006584	EL 2685	15/11/00
G297324	6502300	335800	5	Calcrete	Granular\Soil - deeper duplicate G296964	Auger	<1		2.0	27	3	4	<10	<5	568.0/0006584	EL 2685	15/11/00
G297325	6502400	335800	5	Calcrete	Nodular - deeper duplicate G296965	Auger	<1		3.2	18	6	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G297326	6502400	335900	6	Calcrete	Massive/Soil - deeper duplicate G296966	Auger	<1		1.9	18	4	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297327	6502400	336000	9	Calcrete	Nodular - deeper duplicate G296967	Auger	<1		2.8	11	4	4	16	<5	568.0/0006584	EL 2685	15/11/00
G297328	6502200	335800	9	Calcrete	Granular\ Soil - deeper duplicate G296968	Auger	<1		1.9	15	4	5	14	6	568.0/0006584	EL 2685	15/11/00
G297329	6502200	335900	9	Calcrete	nodular\clay\soil - deeper duplicate G296969	Auger	<1		2.1	16	4	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297330	6502200	336000	9	Calcrete	nodular\clay\soil - deeper duplicate G296970	Auger	<1		2.1	32	4	5	<10	5	568.0/0006584	EL 2685	15/11/00
G297331	6502200	336100	7	Calcrete	Nodular\clay - deeper duplicate G296971	Auger	<1		3.2	15	6	6	<10	8	568.0/0006584	EL 2685	15/11/00
G297332	6502200	336200	7	Calcrete	Nodular\clay - deeper duplicate G296972	Auger	<1		2.4	16	6	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G297333	6502200	336300	6	Calcrete	Massive - deeper duplicate G296973	Auger	<1		3.8	19	6	7	<10	<5	568.0/0006584	EL 2685	15/11/00
G297334	6502200	336400	7	Calcrete	Nodular - deeper duplicate G296974	Auger	2		2.1	13	6	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297335	6502200	336500	6	Calcrete	Massive\Nodular - deeper duplicate G296975	Auger	<1		3.1	16	7	7	<10	<5	568.0/0006584	EL 2685	15/11/00
G297336	6502200	336600	5	Calcrete	Nodular\clay - deeper duplicate G296976	Auger	<1		3.9	14	9	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G297337	6502100	336600	4	Calcrete	Nodular\soil - deeper duplicate G296977	Auger	<1		2.4	11	3	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297338	6502100	336500	6	Calcrete	Nodular\soil - deeper duplicate G296978	Auger	<1		2.3	14	4	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G297339	6502100	336400	4.5	Calcrete	Nodular\soil - deeper duplicate G296979	Auger	2		2.7	13	3	6	<10	<5	568.0/0006584	EL 2685	15/11/00
G297340	6502100	336300	4	Calcrete	Massive\Nodular - deeper duplicate G296980	Auger	<1		3.4	18	5	9	<10	<5	568.0/0006584	EL 2685	15/11/00
G297341	6502100	336200	0.2	Calcrete	Soil - deeper duplicate G296981	Auger	<1		1.3	16	3	5	<10	6	568.0/0006584	EL 2685	15/11/00
G297342	6502100	336100	2	Calcrete	Massive - deeper duplicate G296982	Auger	1		3.6	26	5	8	<10	<5	568.0/0006584	EL 2685	15/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Sample Description and Notes	Sample Method	Au (ppb)	Au-Rpt1 (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Tenement	Date Sampled
G297343	6502100	336000	5	Calcrete	Massive\soil - deeper duplicate G296983	Auger	<1		1.9	24	3	5	<10	<5	568.0/0006584	EL 2685	15/11/00
G297344	6502100	335900	4.5	Calcrete	Soil - deeper duplicate G296984	Auger	<1		2.0	23	3	5	<10	6	568.0/0006584	EL 2685	15/11/00
G297345	6502100	335800	8	Calcrete	Massive\Nodular - deeper duplicate G296985	Auger	1		2.5	12	4	4	<10	<5	568.0/0006584	EL 2685	15/11/00
G297346	6502000	335800	0.1	Calcrete	Soil - deeper duplicate G296986	Auger	<1		0.8	15	2	4	<10	6	568.0/0006584	EL 2685	17/11/00
G297347	6502000	335900	3.5	Calcrete	Nodular - deeper duplicate G296987	Auger	<1		3.6	15	5	7	12	<5	568.0/0006584	EL 2685	17/11/00
G297348	6502000	336000	6	Calcrete	Nodular - deeper duplicate G296988	Auger	<1		2.2	14	4	5	<10	<5	568.0/0006584	EL 2685	17/11/00
G297349	6502000	336100	5	Calcrete	Nodular - deeper duplicate G296989	Auger	<1		3.4	19	5	8	<10	<5	568.0/0006584	EL 2685	17/11/00
G297350	6502000	336200	3.5	Calcrete	Nodular - deeper duplicate G296990	Auger	1		3.7	19	7	9	<10	<5	568.0/0006584	EL 2685	17/11/00
G297351	6502000	336300	1.8	Calcrete	Massive - deeper duplicate G296991	Auger	<1		4.4	16	6	9	<10	<5	568.0/0006584	EL 2685	17/11/00
G297352	6502000	336400	1.5	Calcrete	Massive - deeper duplicate G296992	Auger	2		4.6	16	7	12	18	<5	568.0/0006584	EL 2685	17/11/00
G297353	6502000	336500	1	Calcrete	Nodular - deeper duplicate G296993	Auger	1		2.8	14	6	8	18	<5	568.0/0006584	EL 2685	17/11/00
G297354	6502000	336600	1.5	Calcrete	Soil - deeper duplicate G296994	Auger	<1		1.6	17	4	6	<10	<5	568.0/0006584	EL 2685	17/11/00
G297355	6501900	336200	3.5	Calcrete	Nodular - deeper duplicate G296995	Auger	<1		3.0	16	5	7	12	11	568.0/0006584	EL 2685	17/11/00
G297356	6501900	336300	1.5	Calcrete	Massive - deeper duplicate G296996	Auger	<1		2.0	15	4	6	<10	<5	568.0/0006584	EL 2685	17/11/00
G297357	6501900	336400	2.5	Calcrete	Massive - deeper duplicate G296997	Auger	<1		5.1	18	9	10	12	<5	568.0/0006584	EL 2685	17/11/00
G297358	6501900	336500	5	Calcrete	Massive - deeper duplicate G296998	Auger	<1		3.2	20	8	9	<10	6	568.0/0006584	EL 2685	17/11/00
G297359	6501900	336600	5	Calcrete	Nodular - deeper duplicate G296999	Auger	<1		3.0	17	6	8	<10	<5	568.0/0006584	EL 2685	17/11/00
G297360	6502150	335500	7.5	Calcrete	nodular\clay\soil - deeper duplicate G297000	Auger	<1		1.9	16	3	5	<10	<5	568.0/0006584	EL 2685	17/11/00
G297361	6502320	335270	1.2	Calcrete	Granular\Soil - deeper duplicate G297001	Auger	1		3.4	20	5	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G297362	6502270	335110	4.5	Calcrete	Nodular - deeper duplicate G297002	Auger	<1		4.2	14	6	5	<10	<5	568.0/0006584	EL 2685	17/11/00
G297363	6502520	334900	4.5	Calcrete	Nodular - deeper duplicate G297003	Auger	<1		3.3	15	6	5	<10	<5	568.0/0006584	EL 2685	17/11/00
G297364	6502320	334700	2	Calcrete	Granular\Soil - deeper duplicate G297004	Auger	<1		2.9	17	4	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G297365	6501940	334500	6	Calcrete	Nodular - deeper duplicate G297005	Auger	<1		4.3	15	6	7	<10	<5	568.0/0006584	EL 2685	17/11/00
G297366	6501410	335100	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	17/11/00
G297367	6501470	334910	1	Calcrete	No Sample	Auger			N/S	N/S	N/S	N/S	N/S	N/S	568.0/0006584	EL 2685	17/11/00
G297368	6501750	334300	7	Calcrete	Nodular\soil - deeper duplicate G297008	Auger	<1		2.8	16	4	6	12	0	568.0/0006584	EL 2685	17/11/00

APPENDIX 3

SOIL SAMPLING DATABASE

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G296502	6503510	337800	0	Soil		Hand	<1	1.9	10	6	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296504	6503445	338000	0	Soil		Hand	<1	2.5	9	6	14	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296506	6503375	338210	0	Soil		Hand	1	1.2	8	3	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296508	6503320	338400	0	Soil		Hand	<1	2.6	7	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296510	6503255	338610	0	Soil		Hand	<1	1.6	7	5	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296512	6503185	338810	0	Soil		Hand	<1	1.6	11	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296514	6503120	339000	0	Soil		Hand	<1	1.3	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296516	6503185	338800	0	Soil	(GPS malfunction)	Hand	2	1.8	12	3	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296518	6503185	338600	0	Soil	(GPS malfunction)	Hand	<1	1.6	10	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	30/8/00
G296520	6500660	336695	0	Soil		Hand	<1	2	7	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296522	6500570	336905	0	Soil		Hand	<1	2.8	7	6	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296524	6500495	337105	0	Soil		Hand	<1	3.2	12	8	10	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296526	6500400	337300	0	Soil		Hand	<1	1.6	8	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296528	6500305	337500	0	Soil		Hand	<1	1.7	11	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296530	6500220	337702	0	Soil		Hand	<1	0.9	11	2	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296532	6500140	337905	0	Soil		Hand	<1	1.4	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296534	6500050	338110	0	Soil		Hand	<1	1.6	11	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296536	6499645	337920	0	Soil		Hand	<1	1.8	12	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296538	6499725	337700	0	Soil		Hand	<1	1.1	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296540	6499800	337500	0	Soil		Hand	1	0.7	6	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296542	6499870	337270	0	Soil		Hand	<1	0.8	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296544	6499910	337070	0	Soil		Hand	<1	0.9	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296546	6499970	336820	0	Soil		Hand	1	0.9	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296548	6500035	336560	0	Soil		Hand	<1	0.8	6	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296550	6499990	336395	0	Soil		Hand	<1	1.1	7	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296552	6500030	336225	0	Soil		Hand	<1	1.7	16	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296554	6500405	336305	0	Soil		Hand	<1	0.8	6	4	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296556	6500430	336110	0	Soil		Hand	<1	1.5	10	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296558	6500480	335910	0	Soil		Hand	<1	0.7	6	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296560	6500525	335705	0	Soil		Hand	<1	1.4	10	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296562	6500560	335505	0	Soil		Hand	<1	1.5	11	11	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296564	6500605	335305	0	Soil		Hand	1	0.6	6	3	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	31/8/00
G296566	6500365	336505	0	Soil		Hand	<1	1.5	10	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296568	6500300	336695	0	Soil		Hand	1	1.1	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296570	6500270	336890	0	Soil		Hand	1	0.9	6	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296572	6500190	337105	0	Soil		Hand	1	2.1	10	7	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296574	6500140	337290	0	Soil		Hand	<1	1.5	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296576	6500770	336510	0	Soil		Hand	1	4.9	12	15	12	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296578	6500805	336310	0	Soil		Hand	<1	2.1	9	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296580	6500825	336110	0	Soil		Hand	<1	2	11	7	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296582	6500865	335900	0	Soil		Hand	1	0.8	6	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296584	6500880	335700	0	Soil		Hand	2	1.1	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296586	6500890	335475	0	Soil		Hand	1	2	12	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296588	6500930	335300	0	Soil		Hand	<1	1.6	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296590	6500990	335120	0	Soil		Hand	<1	1.5	10	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G296592	6500790	337095	0	Soil		Hand	<1	3.2	14	7	10	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296594	6500745	337300	0	Soil		Hand	2	0.9	5	4	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296596	6500715	337495	0	Soil		Hand	1	1.6	9	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296598	6500665	337695	0	Soil		Hand	<1	1.9	9	5	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296600	6500610	337895	0	Soil		Hand	<1	2.2	12	7	7	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296602	6500545	338100	0	Soil		Hand	<1	2.4	11	6	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296604	6500480	338295	0	Soil		Hand	2	2.1	12	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	1/9/00
G296606	6501015	334910	0	Soil		Hand	<1	1.6	11	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296608	6501060	334720	0	Soil		Hand	1	1.2	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296610	6501100	334510	0	Soil		Hand	<1	1.9	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296612	6501170	334310	0	Soil		Hand	<1	1.7	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296614	6501080	334080	0	Soil		Hand	1	2.1	14	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296616	6501145	333865	0	Soil		Hand	<1	1.4	13	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296618	6501210	333705	0	Soil		Hand	<1	1.3	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296620	6501610	333700	0	Soil		Hand	<1	1.2	9	4	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296622	6501635	333930	0	Soil		Hand	<1	1.8	13	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296624	6501570	334090	0	Soil		Hand	<1	1.8	10	6	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296626	6501530	334300	0	Soil		Hand	<1	2.3	14	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296628	6501485	334480	0	Soil		Hand	<1	2	14	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296630	6501405	334670	0	Soil		Hand	<1	1.5	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296632	6501470	334910	0	Soil		Hand	<1	3.5	21	8	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296634	6501410	335100	0	Soil		Hand	<1	3.2	14	8	7	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296636	6501365	335290	0	Soil		Hand	2	1.9	12	6	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296638	6501325	335490	0	Soil		Hand	<1	2.3	14	6	7	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296640	6501300	335690	0	Soil		Hand	<1	1.8	10	6	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296642	6501265	335900	0	Soil		Hand	<1	1.5	9	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296644	6501240	336100	0	Soil		Hand	<1	1.6	10	5	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296646	6501210	336295	0	Soil		Hand	1	1.8	9	7	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296648	6501225	336520	0	Soil		Hand	<1	1.6	9	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296650	6501140	336695	0	Soil		Hand	<1	2.4	11	9	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	2/9/00
G296652	6501110	336900	0	Soil		Hand	<1	2.3	11	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296654	6501080	337090	0	Soil		Hand	<1	2.3	10	7	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296656	6501050	337290	0	Soil		Hand	<1	1.9	11	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296658	6501020	337490	0	Soil		Hand	<1	1.7	9	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296660	6500985	337690	0	Soil		Hand	<1	2.7	11	6	11	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296662	6500945	337900	0	Soil		Hand	<1	2	18	5	9	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296664	6500920	338095	0	Soil		Hand	1	2	12	6	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296666	6500870	338290	0	Soil		Hand	1	1.3	9	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296668	6501175	338900	0	Soil		Hand	<1	1.2	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296670	6501225	338705	0	Soil		Hand	<1	1.4	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296672	6501260	338500	0	Soil		Hand	<1	1.5	9	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296674	6501300	338300	0	Soil		Hand	<1	1.4	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296676	6501340	338105	0	Soil		Hand	<1	2.2	11	5	9	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296678	6501375	337895	0	Soil		Hand	<1	2.7	11	4	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296680	6501390	337700	0	Soil		Hand	<1	1.7	10	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G296682	6501420	337500	0	Soil		Hand	<1	2.6	13	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296684	6501460	337300	0	Soil		Hand	<1	1.5	9	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296686	6501475	337100	0	Soil		Hand	<1	1.5	8	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296688	6501495	336895	0	Soil		Hand	<1	1.1	8	4	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296690	6501535	336700	0	Soil		Hand	<1	0.9	6	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296692	6501590	336500	0	Soil		Hand	<1	0.8	6	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296694	6501570	336300	0	Soil		Hand	1	1.5	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296696	6501630	336080	0	Soil		Hand	<1	1.9	12	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296698	6501675	335900	0	Soil		Hand	<1	1.7	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296700	6501770	335705	0	Soil		Hand	<1	1.4	11	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296702	6501810	335500	0	Soil		Hand	<1	1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296704	6501730	335300	0	Soil		Hand	<1	2.1	12	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296706	6501800	335070	0	Soil		Hand	<1	1.8	11	5	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296708	6501850	334890	0	Soil		Hand	<1	2.2	14	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296710	6501890	334700	0	Soil		Hand	<1	1.7	12	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296712	6501940	334500	0	Soil		Hand	<1	1.5	11	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296714	6502085	334300	0	Soil		Hand	<1	1	8	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296716	6502110	334075	0	Soil		Hand	<1	1.5	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	3/9/00
G296718	6501620	339110	0	Soil		Hand	1	1.4	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296720	6501660	338900	0	Soil		Hand	<1	1.3	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296722	6501680	338700	0	Soil		Hand	<1	1.3	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296724	6501710	338510	0	Soil		Hand	<1	1.4	10	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296726	6501730	338310	0	Soil		Hand	<1	0.7	6	2	3	<10	5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296728	6501770	338100	0	Soil		Hand	<1	1.1	7	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296730	6501800	337900	0	Soil		Hand	1	0.9	6	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296732	6501820	337710	0	Soil		Hand	<1	1.1	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296734	6501840	337510	0	Soil		Hand	<1	0.9	6	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296736	6501870	337310	0	Soil		Hand	1	1.4	7	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296738	6501890	337110	0	Soil		Hand	<1	1.3	9	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296740	6501930	336900	0	Soil		Hand	2	1.8	12	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296742	6501995	336710	0	Soil		Hand	<1	1.6	10	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296744	6502050	336510	0	Soil		Hand	<1	1.8	12	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296746	6501940	336280	0	Soil		Hand	<1	1.2	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296748	6502005	336075	0	Soil		Hand	<1	2	13	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296750	6502060	335870	0	Soil		Hand	1	2.3	14	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296752	6502120	335710	0	Soil		Hand	1	1	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296754	6502150	335500	0	Soil		Hand	<1	1	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296756	6502320	335270	0	Soil		Hand	1	1.1	10	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296758	6502230	335200	0	Soil		Hand	1	0.9	7	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296760	6502270	335110	0	Soil		Hand	<1	1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296762	6502320	334895	0	Soil		Hand	<1	1	8	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296764	6502320	334700	0	Soil		Hand	<1	1.3	10	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296766	6502650	334700	0	Soil		Hand	<1	1.4	10	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296768	6502645	334900	0	Soil		Hand	<1	0.7	6	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296770	6502520	335135	0	Soil		Hand	<1	1.5	11	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G296772	6502525	335340	0	Soil		Hand	1	3.5	20	7	7	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296774	6502520	335520	0	Soil		Hand	<1	1.6	12	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296776	6502535	335690	0	Soil		Hand	<1	1.2	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296778	6502510	335910	0	Soil		Hand	<1	1.2	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296780	6502460	336090	0	Soil		Hand	<1	1.4	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296782	6502495	336300	0	Soil		Hand	1	1.5	11	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296784	6502370	336500	0	Soil		Hand	<1	1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296786	6502370	336700	0	Soil		Hand	1	1.5	11	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296788	6502340	336900	0	Soil		Hand	<1	1.7	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296790	6502300	337100	0	Soil		Hand	<1	1.9	12	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296792	6502265	337290	0	Soil		Hand	1	1.1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296794	6502225	337500	0	Soil		Hand	1	0.6	5	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296796	6502180	337700	0	Soil		Hand	<1	1	7	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296798	6502145	337910	0	Soil		Hand	<1	1.7	9	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	4/9/00
G296800	6502110	338100	0	Soil		Hand	<1	1.8	10	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296802	6502085	338295	0	Soil		Hand	<1	2.1	10	5	13	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296804	6502055	338510	0	Soil		Hand	1	1.6	10	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296806	6502030	338700	0	Soil		Hand	<1	1.2	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296808	6502000	338895	0	Soil		Hand	1	1.2	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296810	6501965	339100	0	Soil		Hand	<1	1	8	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296812	6502380	339105	0	Soil		Hand	<1	1.2	10	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296814	6502410	338900	0	Soil		Hand	1	1.2	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296816	6502450	338720	0	Soil		Hand	<1	1.1	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296818	6502470	338480	0	Soil		Hand	<1	1	6	2	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296820	6502500	338310	0	Soil		Hand	<1	0.9	5	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296822	6502510	338100	0	Soil		Hand	1	1	6	2	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296824	6502570	337900	0	Soil		Hand	2	1.6	10	4	8	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296826	6502600	337700	0	Soil		Hand	1	1.6	9	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296828	6502630	337495	0	Soil		Hand	1	1.2	8	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296830	6502660	337305	0	Soil		Hand	<1	1.4	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296832	6502690	337085	0	Soil		Hand	1	1.4	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296834	6502770	336900	0	Soil		Hand	1	1.3	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296836	6502760	336705	0	Soil		Hand	2	1.1	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296838	6502780	336510	0	Soil		Hand	2	1.1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296840	6502810	336300	0	Soil		Hand	1	1.7	12	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296842	6502840	336100	0	Soil		Hand	<1	1.9	13	4	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296844	6502880	335910	0	Soil		Hand	<1	1.8	14	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296846	6502890	335810	0	Soil		Hand	1	1.9	13	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296848	6502900	335700	0	Soil		Hand	<1	1.6	13	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296850	6502960	335500	0	Soil		Hand	2	2.6	17	5	7	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296852	6502990	335310	0	Soil		Hand	<1	1.5	11	3	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296854	6503015	335110	0	Soil		Hand	1	1.1	9	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296856	6503340	335500	0	Soil		Hand	<1	1.3	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296858	6503290	335700	0	Soil		Hand	<1	1.7	12	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296860	6503270	335890	0	Soil		Hand	1	1.5	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No	Prospect Name	Tenement	Date Sampled
G296862	6503240	336090	0	Soil		Hand	<1	0.9	7	2	2	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296864	6503225	336300	0	Soil		Hand	<1	1.1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296866	6503190	336500	0	Soil		Hand	<1	0.9	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296868	6503115	336700	0	Soil		Hand	<1	1.3	10	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296870	6503130	336895	0	Soil		Hand	2	1	7	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296872	6503100	337100	0	Soil	N/S (sample lost)	Hand	NS	NS	NS	NS	NS	NS	NS	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296874	6503180	337280	0	Soil		Hand	<1	1.3	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	5/9/00
G296876	6502795	339100	0	Soil		Hand	<1	1.3	10	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	6/9/00
G296878	6502815	338880	0	Soil		Hand	<1	1	8	2	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296880	6502840	338710	0	Soil		Hand	<1	1	8	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296882	6502870	338510	0	Soil		Hand	1	0.8	6	3	3	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296884	6502920	338310	0	Soil		Hand	1	1.4	7	4	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296886	6502930	338100	0	Soil		Hand	2	2.6	13	6	9	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296888	6502990	337900	0	Soil		Hand	<1	1.2	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296890	6502995	337705	0	Soil		Hand	2	2.3	11	6	10	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296892	6502975	337460	0	Soil		Hand	2	1.3	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296894	6503350	337705	0	Soil		Hand	2	1.4	9	3	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296896	6503410	337485	0	Soil		Hand	<1	1.3	9	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296898	6503430	337290	0	Soil		Hand	<1	1.2	8	3	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296899	6503460	337090	1.3	Soil	No calcrete	Hand	<1	3.3	14	5	8	<10	<5	568.0/0004639	Yumbarra	EL 2685	28/9/00
G296900	6503460	337090	0	Soil		Hand	2	1.3	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296902	6503500	336890	0	Soil		Hand	<1	2.5	15	5	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296904	6503540	336720	0	Soil		Hand	<1	1.5	11	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296906	6503580	336500	0	Soil		Hand	<1	3.8	22	8	9	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296908	6503630	336300	0	Soil		Hand	<1	1.7	12	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296910	6503630	336110	0	Soil		Hand	<1	1.5	10	4	4	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296912	6503650	335880	0	Soil		Hand	<1	2.4	15	6	6	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G296914	6503700	335700	0	Soil		Hand	<1	2	14	5	5	<10	<5	568.0/0004706	Yumbarra	EL 2685	28/9/00
G297371	6503000	338000	0.1	Soil	Duplicate G297011	Hand	<1	1.6	12	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297372	6503000	338100	0.1	Soil	Duplicate G297012	Hand	<1	1.0	6	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297373	6503000	338200	0.1	Soil	Duplicate G297013	Hand	1	0.8	10	2	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297374	6503000	338300	0.1	Soil	Duplicate G297014	Hand	<1	0.8	7	2	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297375	6503000	338400	0.1	Soil	Duplicate G297015	Hand	1	0.8	8	2	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297376	6502900	338400	0.1	Soil	Duplicate G297016	Hand	<1	0.9	7	2	<1	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297377	6502900	338300	0.1	Soil	Duplicate G297017	Hand	1	0.9	8	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297378	6502900	338200	0.1	Soil	Duplicate G297018	Hand	2	1.6	13	3	5	<10	6	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297379	6502900	338100	0.1	Soil	Duplicate G297019	Hand	<1	3.6	19	5	15	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297380	6502900	338000	0.1	Soil	Duplicate G297020	Hand	<1	2.0	12	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297381	6502800	338000	0.1	Soil	Duplicate G297021	Hand	<1	2.1	17	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297382	6502800	338100	0.1	Soil	Duplicate G297022	Hand	<1	1.7	9	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297383	6502800	338200	0.1	Soil	Duplicate G297023	Hand	<1	3.5	18	8	13	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297384	6502800	338300	0.1	Soil	Duplicate G297024	Hand	<1	1.5	12	3	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297385	6502800	338400	0.1	Soil	Duplicate G297025	Hand	<1	1.4	14	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297386	6502700	338400	0.1	Soil	Duplicate G297026	Hand	2	0.9	6	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297387	6502700	338300	0.1	Soil	Duplicate G297027	Hand	2	1.2	11	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G297388	6502700	338200	0.1	Soil	Duplicate G297028	Hand	<1	2.2	14	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297389	6502700	338100	0.1	Soil	Duplicate G297029	Hand	2	3.1	17	5	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297390	6502700	338000	0.1	Soil	Duplicate G297030	Hand	2	3.2	19	7	12	<10	5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297391	6502600	338000	0.1	Soil	Duplicate G297031	Hand	<1	2.9	16	5	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297392	6502600	338100	0.1	Soil	Duplicate G297032	Hand	<1	4.3	17	8	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297393	6502600	338200	0.1	Soil	Duplicate G297033	Hand	<1	1.9	17	10	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297394	6502600	338300	0.1	Soil	Duplicate G297034	Hand	1	1.5	11	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297395	6502600	338400	0.1	Soil	Duplicate G297035	Hand	<1	2.1	18	5	6	<10	5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297396	6502500	338500	0.1	Soil	Duplicate G297036	Hand	1	2.6	39	6	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297397	6502500	338400	0.1	Soil	Duplicate G297037	Hand	<1	2.5	23	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297398	6502500	338300	0.1	Soil	Duplicate G297038	Hand	<1	2.4	24	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297399	6502500	338200	0.1	Soil	Duplicate G297039	Hand	1	4.9	22	8	15	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297400	6502500	338100	0.1	Soil	Duplicate G297040	Hand	<1	2.9	18	6	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297401	6502500	338000	0.1	Soil	Duplicate G297041	Hand	1	3.0	19	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297402	6502400	338000	0.1	Soil	Duplicate G297042	Hand	<1	2.0	13	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297403	6502400	338100	0.1	Soil	Duplicate G297043	Hand	<1	3.0	19	7	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297404	6502400	338200	0.1	Soil	Duplicate G297044	Hand	<1	2.1	17	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297405	6502400	338300	0.1	Soil	Duplicate G297045	Hand	<1	2.0	17	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297406	6502400	338400	0.1	Soil	Duplicate G297046	Hand	1	2.3	16	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297407	6502400	338500	0.1	Soil	Duplicate G297047	Hand	1	1.8	18	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297408	6502300	338500	0.1	Soil	Duplicate G297048	Hand	1	0.7	11	4	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297409	6502300	338400	0.1	Soil	Duplicate G297049	Hand	2	4.5	18	14	15	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297410	6502300	338300	0.1	Soil	Duplicate G297050	Hand	<1	1.5	14	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297411	6502300	338200	0.1	Soil	Duplicate G297051	Hand	<1	2.0	16	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297412	6502300	338100	0.1	Soil	Duplicate G297052	Hand	<1	2.6	15	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297413	6502300	338000	0.1	Soil	Duplicate G297053	Hand	<1	2.8	16	8	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297414	6502200	338000	0.1	Soil	Duplicate G297054	Hand	<1	3.7	18	7	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297415	6502200	338100	0.1	Soil	Duplicate G297055	Hand	<1	2.4	19	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297416	6502200	338200	0.1	Soil	Duplicate G297056	Hand	<1	2.5	17	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297417	6502200	338300	0.1	Soil	Duplicate G297057	Hand	<1	1.5	14	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297418	6502200	338400	0.1	Soil	Duplicate G297058	Hand	<1	2.5	19	7	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297419	6502200	338500	0.1	Soil	Duplicate G297059	Hand	<1	2.4	18	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	18/11/00
G297420	6502100	338500	0.1	Soil	Duplicate G297060	Hand	<1	1.7	15	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297421	6502100	338400	0.1	Soil	Duplicate G297061	Hand	<1	1.8	18	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297422	6502100	338300	0.1	Soil	Duplicate G297062	Hand	<1	1.6	14	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297423	6502100	338200	0.1	Soil	Duplicate G297063	Hand	<1	3.8	18	7	13	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297424	6502100	338100	0.1	Soil	Duplicate G297064	Hand	<1	3.7	19	5	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297425	6502100	338000	0.1	Soil	Duplicate G297065	Hand	<1	2.9	17	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297426	6502000	338000	0.1	Soil	Duplicate G297066	Hand	<1	1.2	12	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297427	6502000	338100	0.1	Soil	Duplicate G297067	Hand	<1	1.4	15	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297428	6502000	338200	0.1	Soil	Duplicate G297068	Hand	2	1.4	14	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297429	6502000	338300	0.1	Soil	Duplicate G297069	Hand	<1	1.5	14	4	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297430	6502000	338400	0.1	Soil	Duplicate G297070	Hand	<1	0.9	10	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297431	6502000	338500	0.1	Soil	Duplicate G297071	Hand	2	1.3	16	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297432	6501900	338500	0.1	Soil	Duplicate G297072	Hand	<1	1.3	13	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G297433	6501900	338400	0.1	Soil	Duplicate G297073	Hand	<1	1.5	16	5	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297434	6501900	338300	0.1	Soil	Duplicate G297074	Hand	<1	1.3	10	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297435	6501900	338200	0.1	Soil	Duplicate G297075	Hand	<1	2.8	19	7	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297436	6501900	338100	0.1	Soil	Duplicate G297076	Hand	<1	1.4	13	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297437	6501900	338000	0.1	Soil	Duplicate G297077	Hand	<1	1.7	17	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297438	6501800	338000	0.1	Soil	Duplicate G297078	Hand	1	2.7	18	8	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297439	6501800	338100	0.1	Soil	Duplicate G297079	Hand	<1	3.2	18	8	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297440	6501800	338200	0.1	Soil	Duplicate G297080	Hand	<1	2.8	18	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297441	6501800	338300	0.1	Soil	Duplicate G297081	Hand	<1	1.9	16	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297442	6501800	338400	0.1	Soil	Duplicate G297082	Hand	<1	1.7	19	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297443	6501800	338500	0.1	Soil	Duplicate G297083	Hand	<1	1.6	19	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297444	6501700	338500	0.1	Soil	Duplicate G297084	Hand	<1	1.2	16	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297445	6501700	338400	0.1	Soil	Duplicate G297085	Hand	<1	1.5	14	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297446	6501700	338300	0.1	Soil	Duplicate G297086	Hand	<1	2.1	19	5	6	<10	5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297447	6501700	338200	0.1	Soil	Duplicate G297087	Hand	<1	3.0	16	7	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297448	6501700	338100	0.1	Soil	Duplicate G297088	Hand	<1	3.5	21	10	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297449	6501700	338000	0.1	Soil	Duplicate G297089	Hand	<1	3.5	17	10	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297450	6501600	338000	0.1	Soil	Duplicate G297090	Hand	<1	1.2	12	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297451	6501600	338100	0.1	Soil	Duplicate G297091	Hand	<1	1.7	17	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297452	6501600	338200	0.1	Soil	Duplicate G297092	Hand	<1	2.3	16	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297453	6501600	338300	0.1	Soil	Duplicate G297093	Hand	<1	1.8	16	5	4	<10	6	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297454	6501500	338400	0.1	Soil	Duplicate G297094	Hand	<1	0.9	11	4	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297455	6501500	338300	0.1	Soil	Duplicate G297095	Hand	<1	0.7	10	3	<1	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297456	6501500	338200	0.1	Soil	Duplicate G297096	Hand	<1	0.8	12	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297457	6501500	338100	0.1	Soil	Duplicate G297097	Hand	<1	2.1	14	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297458	6501500	338000	0.1	Soil	Duplicate G297098	Hand	1	2.0	15	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297459	6501500	337900	0.1	Soil	Duplicate G297099	Hand	<1	1.6	13	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297460	6501500	337800	0.1	Soil	Duplicate G297100	Hand	<1	1.6	12	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297461	6501400	337800	0.1	Soil	Duplicate G297101	Hand	<1	1.1	11	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297462	6501400	337900	0.1	Soil	Duplicate G297102	Hand	<1	0.7	9	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297463	6501400	338000	0.1	Soil	Duplicate G297103	Hand	2	1.4	16	3	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297464	6501400	338100	0.1	Soil	Duplicate G297104	Hand	<1	1.6	13	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297465	6501400	338200	0.1	Soil	Duplicate G297105	Hand	<1	1.8	20	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297466	6501400	338300	0.1	Soil	Duplicate G297106	Hand	<1	1.2	12	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297467	6501400	338400	0.1	Soil	Duplicate G297107	Hand	<1	1.6	15	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297468	6501300	338300	0.1	Soil	Duplicate G297108	Hand	<1	0.8	10	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297469	6501300	338200	0.1	Soil	Duplicate G297109	Hand	<1	1.4	13	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297470	6501300	338100	0.1	Soil	Duplicate G297110	Hand	<1	1.1	11	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297471	6501300	337800	0.1	Soil	Duplicate G297111	Hand	<1	1.7	15	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297472	6501300	337700	0.1	Soil	Duplicate G297112	Hand	<1	2.3	14	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297473	6501200	337700	0.1	Soil	Duplicate G297113	Hand	<1	2.5	16	5	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297474	6501200	337800	0.1	Soil	Duplicate G297114	Hand	<1	2.0	13	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297475	6501200	337900	0.1	Soil	Duplicate G297115	Hand	<1	2.2	10	4	15	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297476	6501200	338000	0.1	Soil	Duplicate G297116	Hand	<1	1.7	8	5	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297477	6501200	338100	0.1	Soil	Duplicate G297117	Hand	<1	1.9	8	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00

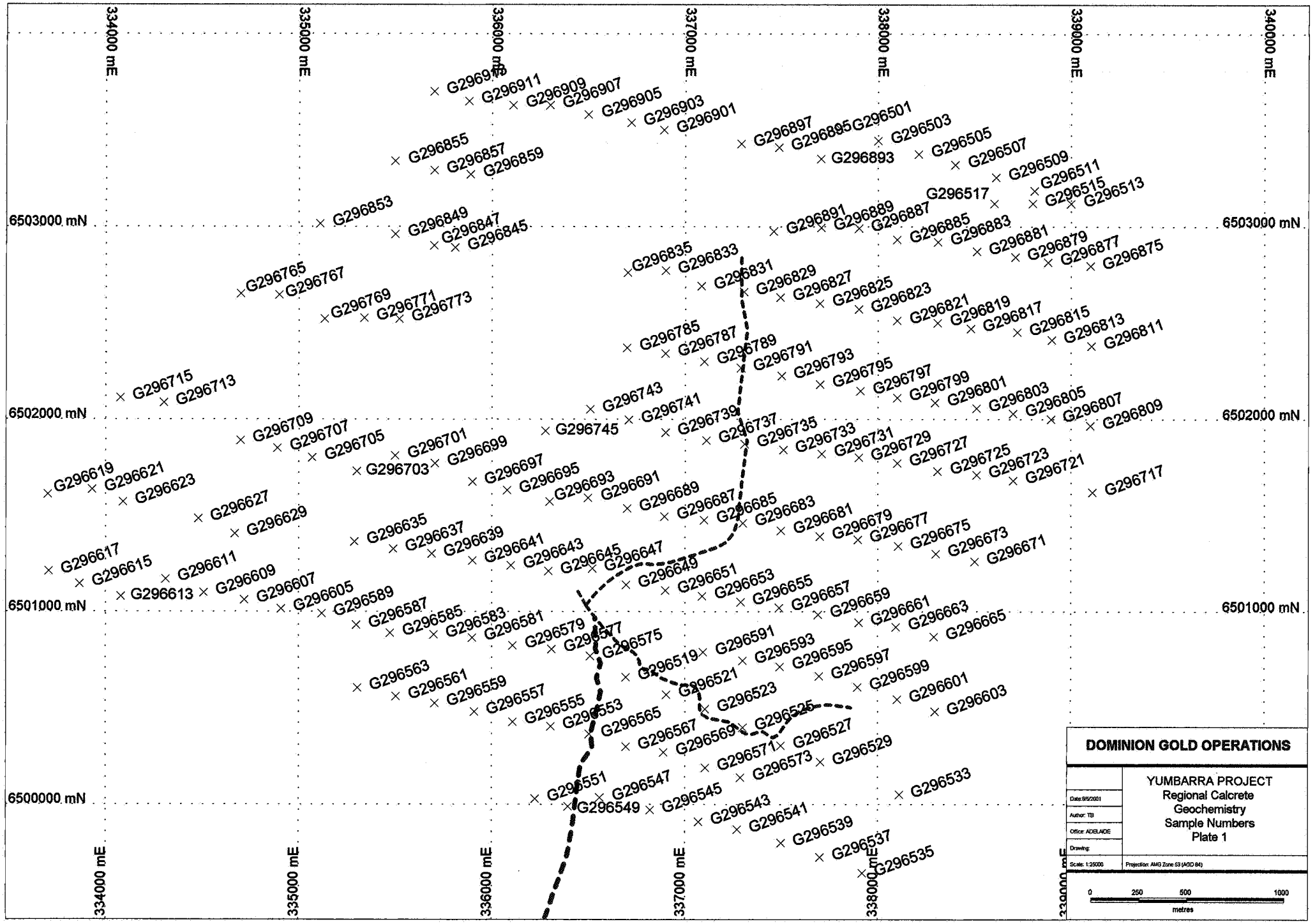
Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No	Prospect Name	Tenement	Date Sampled
G297478	6501200	338200	0.1	Soil	Duplicate G297118	Hand	<1	1.7	7	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297479	6501200	338300	0.1	Soil	Duplicate G297119	Hand	<1	2.4	13	7	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297480	6501100	338300	0.1	Soil	Duplicate G297120	Hand	<1	1.4	7	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297481	6501100	338200	0.1	Soil	Duplicate G297121	Hand	<1	1.6	8	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297482	6501100	338100	0.1	Soil	Duplicate G297122	Hand	<1	1.0	3	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297483	6501100	338000	0.1	Soil	Duplicate G297123	Hand	<1	1.0	5	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297484	6501100	337900	0.1	Soil	Duplicate G297124	Hand	<1	1.5	5	3	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297485	6501100	337800	0.1	Soil	Duplicate G297125	Hand	<1	1.5	6	4	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297486	6501100	337700	0.1	Soil	Duplicate G297126	Hand	<1	1.4	6	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297487	6501000	337700	0.1	Soil	Duplicate G297127	Hand	<1	0.7	2	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297488	6501000	337800	0.1	Soil	Duplicate G297128	Hand	<1	1.2	4	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297489	6501000	337900	0.1	Soil	Duplicate G297129	Hand	<1	2.0	7	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297490	6501000	338000	0.1	Soil	Duplicate G297130	Hand	<1	1.9	6	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297491	6501000	338100	0.1	Soil	Duplicate G297131	Hand	<1	2.4	9	5	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297492	6501000	338200	0.1	Soil	Duplicate G297132	Hand	<1	1.7	7	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297493	6501000	338300	0.1	Soil	Duplicate G297133	Hand	<1	1.5	7	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297494	6500900	338100	0.1	Soil	Duplicate G297134	Hand	<1	2.9	14	8	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297495	6500900	338000	0.1	Soil	Duplicate G297135	Hand	<1	1.5	5	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297496	6500900	337900	0.1	Soil	Duplicate G297136	Hand	<1	1.5	4	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297497	6500900	337800	0.1	Soil	Duplicate G297137	Hand	<1	2.4	8	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297498	6500900	337700	0.1	Soil	Duplicate G297138	Hand	<1	1.6	3	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297499	6500900	337600	0.1	Soil	Duplicate G297139	Hand	<1	3.5	12	7	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297500	6500900	337500	0.1	Soil	Duplicate G297140	Hand	<1	1.6	7	6	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297501	6500900	337400	0.1	Soil	Duplicate G297141	Hand	<1	1.1	5	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297502	6500900	337300	0.1	Soil	Duplicate G297142	Hand	<1	1.6	7	6	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297503	6500900	337200	0.1	Soil	Duplicate G297143	Hand	<1	1.6	7	6	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297504	6500900	337100	0.1	Soil	Duplicate G297144	Hand	<1	2.4	9	7	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297505	6500900	337000	0.1	Soil	Duplicate G297145	Hand	<1	1.2	5	5	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297506	6500900	336900	0.1	Soil	Duplicate G297146	Hand	<1	1.5	6	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297507	6500900	336800	0.1	Soil	Duplicate G297147	Hand	<1	1.5	4	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297508	6500900	336700	0.1	Soil	Duplicate G297148	Hand	<1	1.9	7	6	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297509	6500900	336600	0.1	Soil	Duplicate G297149	Hand	<1	2.6	9	9	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297510	6500900	336500	0.1	Soil	Duplicate G297150	Hand	<1	1.7	6	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297511	6500900	336400	0.1	Soil	Duplicate G297151	Hand	<1	2.5	9	7	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297512	6500800	336400	0.1	Soil	Duplicate G297152	Hand	<1	2.9	8	8	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297513	6500800	336500	0.1	Soil	Duplicate G297153	Hand	<1	3.3	11	9	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297514	6500800	336600	0.1	Soil	Duplicate G297154	Hand	<1	5.4	12	12	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297515	6500800	336700	0.1	Soil	Duplicate G297155	Hand	<1	2.6	6	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297516	6500800	336800	0.1	Soil	Duplicate G297156	Hand	<1	2.0	6	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297517	6500800	336900	0.1	Soil	Duplicate G297157	Hand	<1	2.6	7	7	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297518	6500800	337000	0.1	Soil	Duplicate G297158	Hand	<1	1.8	4	6	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297519	6500800	337100	0.1	Soil	Duplicate G297159	Hand	1	1.9	7	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297520	6500800	337200	0.1	Soil	Duplicate G297160	Hand	<1	1.4	4	5	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297521	6500800	337300	0.1	Soil	Duplicate G297161	Hand	<1	2.1	7	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297522	6500800	337400	0.1	Soil	Duplicate G297162	Hand	<1	1.4	5	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No	Prospect Name	Tenement	Date Sampled
G297523	6500800	337500	0.1	Soil	Duplicate G297163	Hand	<1	2.6	9	9	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297524	6500800	337600	0.1	Soil	Duplicate G297164	Hand	<1	3.6	6	8	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297525	6500800	337700	0.1	Soil	Duplicate G297165	Hand	<1	2.3	5	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297526	6500800	337800	0.1	Soil	Duplicate G297166	Hand	<1	2.6	10	5	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297527	6500800	337900	0.1	Soil	Duplicate G297167	Hand	<1	2.0	12	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297528	6500800	338000	0.1	Soil	Duplicate G297168	Hand	<1	1.2	8	4	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297529	6500800	338100	0.1	Soil	Duplicate G297169	Hand	<1	1.0	5	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	19/11/00
G297530	6500700	336400	0.1	Soil	Duplicate G297170	Hand	<1	1.8	6	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297531	6500700	336500	0.1	Soil	Duplicate G297171	Hand	<1	3.6	10	9	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297532	6500700	336600	0.1	Soil	Duplicate G297172	Hand	<1	4.5	13	9	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297533	6500700	336700	0.1	Soil	Duplicate G297173	Hand	2	3.5	10	9	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297534	6500700	336800	0.1	Soil	Duplicate G297174	Hand	<1	2.3	8	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297535	6500700	336900	0.1	Soil	Duplicate G297175	Hand	2	2.9	16	8	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297536	6500700	337000	0.1	Soil	Duplicate G297176	Hand	<1	2.9	11	9	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297537	6500700	337100	0.1	Soil	Duplicate G297177	Hand	<1	1.5	5	6	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297538	6500700	337200	0.1	Soil	Duplicate G297178	Hand	<1	1.2	4	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297539	6500700	337300	0.1	Soil	Duplicate G297179	Hand	<1	1.5	4	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297540	6500700	337400	0.1	Soil	Duplicate G297180	Hand	<1	1.9	6	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297541	6500700	337500	0.1	Soil	Duplicate G297181	Hand	<1	2.2	6	4	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297542	6500700	337600	0.1	Soil	Duplicate G297182	Hand	<1	3.9	8	6	14	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297543	6500700	337700	0.1	Soil	Duplicate G297183	Hand	<1	2.9	8	7	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297544	6500700	337800	0.1	Soil	Duplicate G297184	Hand	<1	2.3	8	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297545	6500700	337900	0.1	Soil	Duplicate G297185	Hand	<1	2.6	11	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297546	6500700	338000	0.1	Soil	Duplicate G297186	Hand	<1	1.7	8	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297547	6500700	338100	0.1	Soil	Duplicate G297187	Hand	<1	1.5	6	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297548	6500600	338000	0.1	Soil	Duplicate G297188	Hand	<1	1.5	7	3	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297549	6500600	337900	0.1	Soil	Duplicate G297189	Hand	<1	1.8	8	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297550	6500600	337800	0.1	Soil	Duplicate G297190	Hand	<1	2.7	10	6	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297551	6500600	337700	0.1	Soil	Duplicate G297191	Hand	<1	2.0	8	4	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297552	6500600	337600	0.1	Soil	Duplicate G297192	Hand	<1	1.1	4	5	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297553	6500600	337500	0.1	Soil	Duplicate G297193	Hand	<1	1.6	5	4	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297554	6500600	337400	0.1	Soil	Duplicate G297194	Hand	<1	1.5	7	5	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297555	6500600	337300	0.1	Soil	Duplicate G297195	Hand	<1	1.3	4	4	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297556	6500600	337200	0.1	Soil	Duplicate G297196	Hand	<1	1.2	4	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297557	6500600	337100	0.1	Soil	Duplicate G297197	Hand	<1	1.4	5	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297558	6500600	337000	0.1	Soil	Duplicate G297198	Hand	<1	3.0	9	7	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297559	6500600	336900	0.1	Soil	Duplicate G297199	Hand	<1	3.4	11	7	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297560	6500600	336800	0.1	Soil	Duplicate G297200	Hand	<1	2.7	8	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297561	6500600	336700	0.1	Soil	Duplicate G297201	Hand	<1	3.6	10	7	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297562	6500600	336600	0.1	Soil	Duplicate G297202	Hand	<1	5.1	19	10	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297563	6500600	336500	0.1	Soil	Duplicate G297203	Hand	<1	6.5	17	14	15	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297564	6500600	336400	0.1	Soil	Duplicate G297204	Hand	<1	7.1	16	16	13	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297565	6500500	336400	0.1	Soil	Duplicate G297205	Hand	<1	1.4	8	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297566	6500500	336500	0.1	Soil	Duplicate G297206	Hand	1	1.8	8	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297567	6500500	336600	0.1	Soil	Duplicate G297207	Hand	<1	4.5	14	11	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No	Prospect Name	Tenement	Date Sampled
G297568	6500500	336700	0.1	Soil	Duplicate G297208	Hand	<1	3.3	12	8	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297569	6500500	336800	0.1	Soil	Duplicate G297209	Hand	<1	5.8	18	15	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297570	6500500	336900	0.1	Soil	Duplicate G297210	Hand	<1	4.8	17	10	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297571	6500500	337000	0.1	Soil	Duplicate G297211	Hand	<1	4.9	15	8	10	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297572	6500500	337100	0.1	Soil	Duplicate G297212	Hand	<1	3.3	14	7	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297573	6500500	337200	0.1	Soil	Duplicate G297213	Hand	<1	2.5	10	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297574	6500500	337300	0.1	Soil	Duplicate G297214	Hand	<1	2.3	10	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297575	6500500	337400	0.1	Soil	Duplicate G297215	Hand	<1	3.0	14	8	12	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297576	6500500	337500	0.1	Soil	Duplicate G297216	Hand	<1	2.2	11	6	9	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297577	6500400	337300	0.1	Soil	Duplicate G297217	Hand	<1	2.5	14	7	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297578	6500400	337200	0.1	Soil	Duplicate G297218	Hand	<1	2.1	9	7	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297579	6500400	337100	0.1	Soil	Duplicate G297219	Hand	<1	3.2	17	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297580	6500400	337000	0.1	Soil	Duplicate G297220	Hand	<1	3.4	10	8	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297581	6500400	336900	0.1	Soil	Duplicate G297221	Hand	<1	5.9	19	17	16	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297582	6500400	336800	0.1	Soil	Duplicate G297222	Hand	<1	3.4	10	8	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297583	6500400	336700	0.1	Soil	Duplicate G297223	Hand	<1	4.3	11	12	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297584	6500400	336600	0.1	Soil	Duplicate G297224	Hand	<1	2.3	5	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297585	6500400	336500	0.1	Soil	Duplicate G297225	Hand	<1	1.4	7	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297586	6500400	336400	0.1	Soil	Duplicate G297226	Hand	<1	0.9	4	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297587	6500300	336400	0.1	Soil	Duplicate G297227	Hand	<1	1.0	6	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297588	6500300	336500	0.1	Soil	Duplicate G297228	Hand	<1	2.1	7	5	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297589	6500300	336600	0.1	Soil	Duplicate G297229	Hand	<1	2.5	8	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297590	6500300	336700	0.1	Soil	Duplicate G297230	Hand	<1	2.3	10	7	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297591	6500300	336800	0.1	Soil	Duplicate G297231	Hand	<1	2.1	9	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297592	6500300	336900	0.1	Soil	Duplicate G297232	Hand	<1	1.4	8	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297593	6500300	337000	0.1	Soil	Duplicate G297233	Hand	<1	2.8	11	6	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297594	6500300	337100	0.1	Soil	Duplicate G297234	Hand	<1	3.3	13	7	11	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297595	6500300	337200	0.1	Soil	Duplicate G297235	Hand	<1	2.3	11	6	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297596	6500300	337300	0.1	Soil	Duplicate G297236	Hand	<1	1.7	10	5	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297597	6500200	337300	0.1	Soil	Duplicate G297237	Hand	<1	1.4	11	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297598	6500200	337200	0.1	Soil	Duplicate G297238	Hand	<1	1.4	9	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297599	6500200	337100	0.1	Soil	Duplicate G297239	Hand	<1	2.7	12	7	8	<10	7	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297600	6500200	337000	0.1	Soil	Duplicate G297240	Hand	<1	2.2	8	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297601	6500200	336900	0.1	Soil	Duplicate G297241	Hand	<1	1.6	10	6	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297602	6500200	336800	0.1	Soil	Duplicate G297242	Hand	<1	2.0	12	7	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297603	6500200	336700	0.1	Soil	Duplicate G297243	Hand	2	1.1	13	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	20/11/00
G297604	6501100	336595	0.1	Soil	Duplicate G297244	Hand	1	1.3	15	6	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297605	6501100	336495	0.1	Soil	Duplicate G297245	Hand	<1	1.9	23	6	8	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297606	6501100	336400	0.1	Soil	Duplicate G297246	Hand	<1	2.0	22	5	7	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297607	6501100	336305	0.1	Soil	Duplicate G297247	Hand	<1	1.3	16	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297608	6501100	336200	0.1	Soil	Duplicate G297248	Hand	<1	1.1	11	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297609	6501210	336195	0.1	Soil	Duplicate G297249	Hand	<1	1.4	18	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297610	6501195	336300	0.1	Soil	Duplicate G297250	Hand	<1	1.8	21	7	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297611	6501200	336395	0.1	Soil	Duplicate G297251	Hand	<1	2.0	22	6	6	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297612	6501200	336500	0.1	Soil	Duplicate G297252	Hand	<1	1.2	14	3	5	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00

Sample Number	AMG Northing	AMG Easting	Depth to Calcrete (m)	Sample Type	Notes	Sample Method	Au (ppb)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ni (ppm)	Pd (ppm)	Pt (ppm)	Genalysis Job No.	Prospect Name	Tenement	Date Sampled
G297613	6501205	336600	0.1	Soil	Duplicate G297253	Hand	<1	1.1	16	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297614	6501300	336600	0.1	Soil	Duplicate G297254	Hand	<1	1.1	17	4	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297615	6501300	336500	0.1	Soil	Duplicate G297255	Hand	<1	0.9	15	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297616	6501300	336400	0.1	Soil	Duplicate G297256	Hand	<1	1.2	12	3	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297617	6501300	336300	0.1	Soil	Duplicate G297257	Hand	<1	1.0	16	2	1	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297618	6501300	336200	0.1	Soil	Duplicate G297258	Hand	<1	1.3	15	4	4	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297619	6501400	336200	0.1	Soil	Duplicate G297259	Hand	<1	1.1	10	3	3	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297620	6501400	336300	0.1	Soil	No Sample	Hand									Yumbarra	EL 2685	26/11/00
G297621	6501400	336400	0.1	Soil	No Sample	Hand									Yumbarra	EL 2685	26/11/00
G297622	6501400	336500	0.1	Soil	Duplicate G297262	Hand	<1	0.4	4	3	<1	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00
G297623	6501400	336600	0.1	Soil	Duplicate G297263	Hand	<1	0.9	8	3	2	<10	<5	568.0/0006514	Yumbarra	EL 2685	26/11/00

PLATES 1 - 12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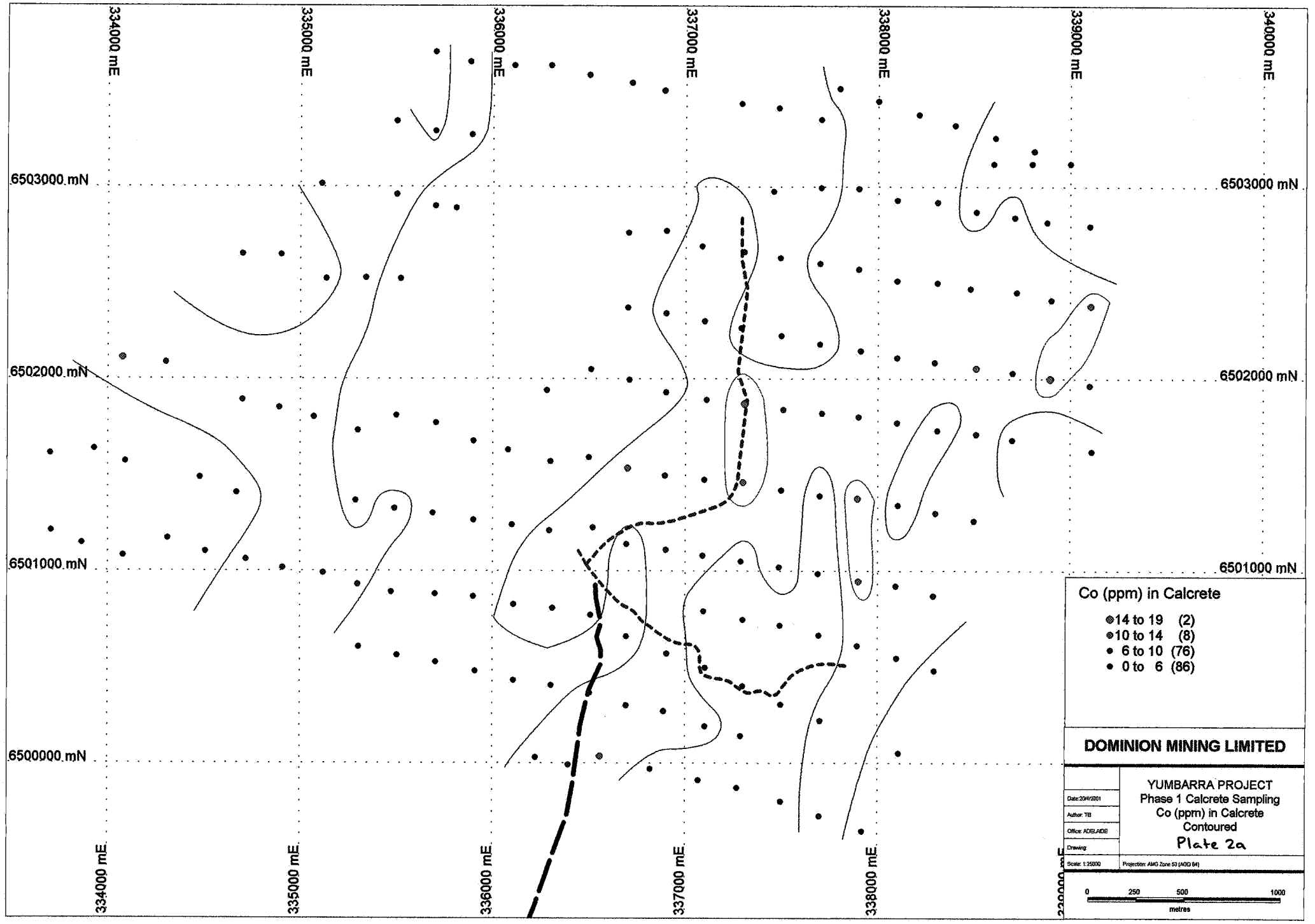
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Regional Calcrete
Geochemistry
Sample Numbers
Plate 1
Date: 9/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres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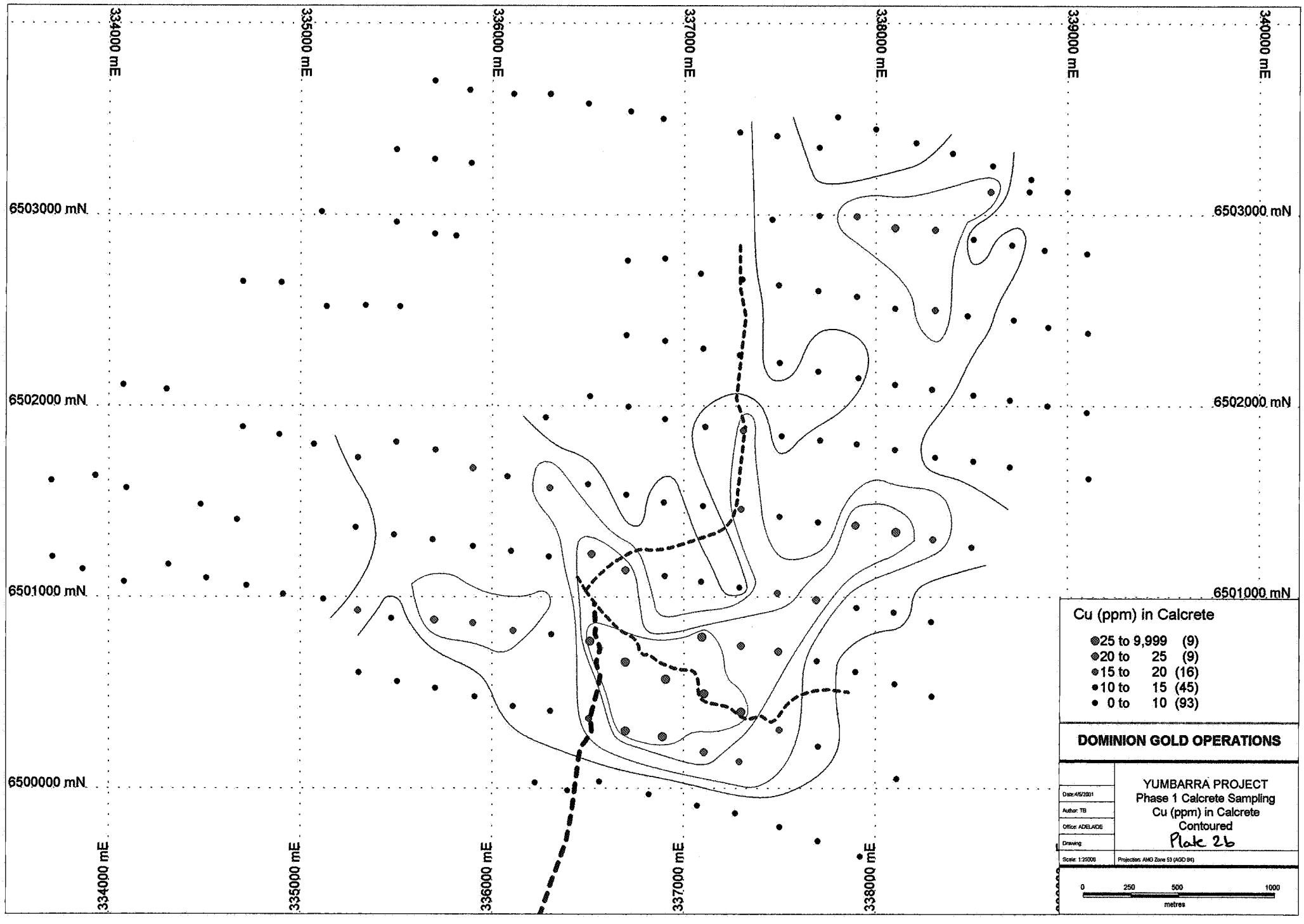
6500000 mN
Co (ppm) in Calcrete
14 to 19 (2)
10 to 14 (8)
6 to 10 (76)
0 to 6 (86)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 1 Calcrete Sampling
Co (ppm) in Calcrete
Contoured
Plate 2a
Date: 20/4/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres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6500000 mN
Cu (ppm) in Calcrete
25 to 9,999 (9)
20 to 25 (9)
15 to 20 (16)
10 to 15 (45)
0 to 10 (93)
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Phase 1 Calcrete Sampling
Cu (ppm) in Calcrete
Contoured
Plate 2b
Date: 4/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
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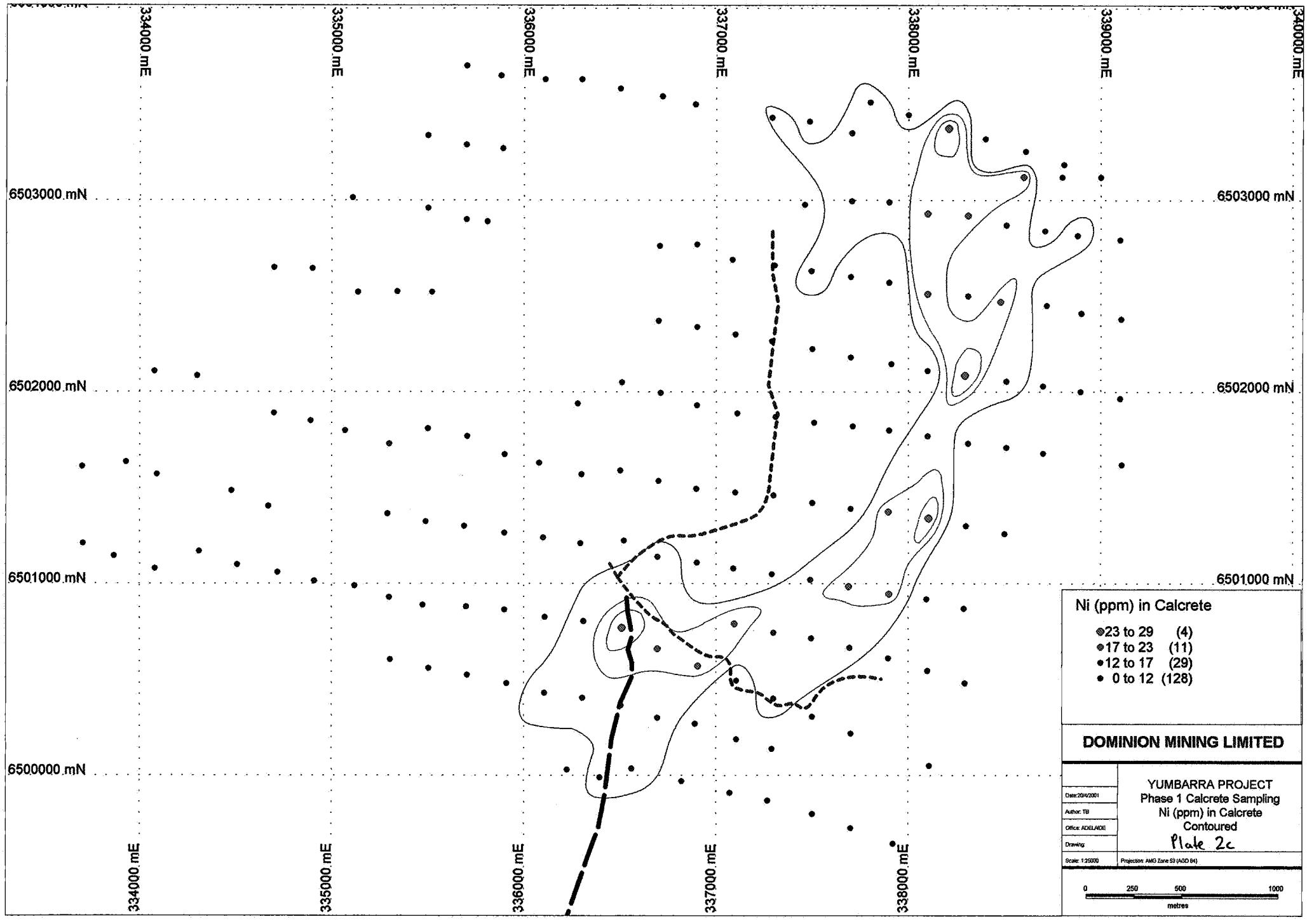
metres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335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Ni (ppm) in Calcrete
23 to 29 (4)
17 to 23 (11)
12 to 17 (29)
0 to 12 (128)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 1 Calcrete Sampling
Ni (ppm) in Calcrete
Contoured
Plate 2c
Date: 20/4/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
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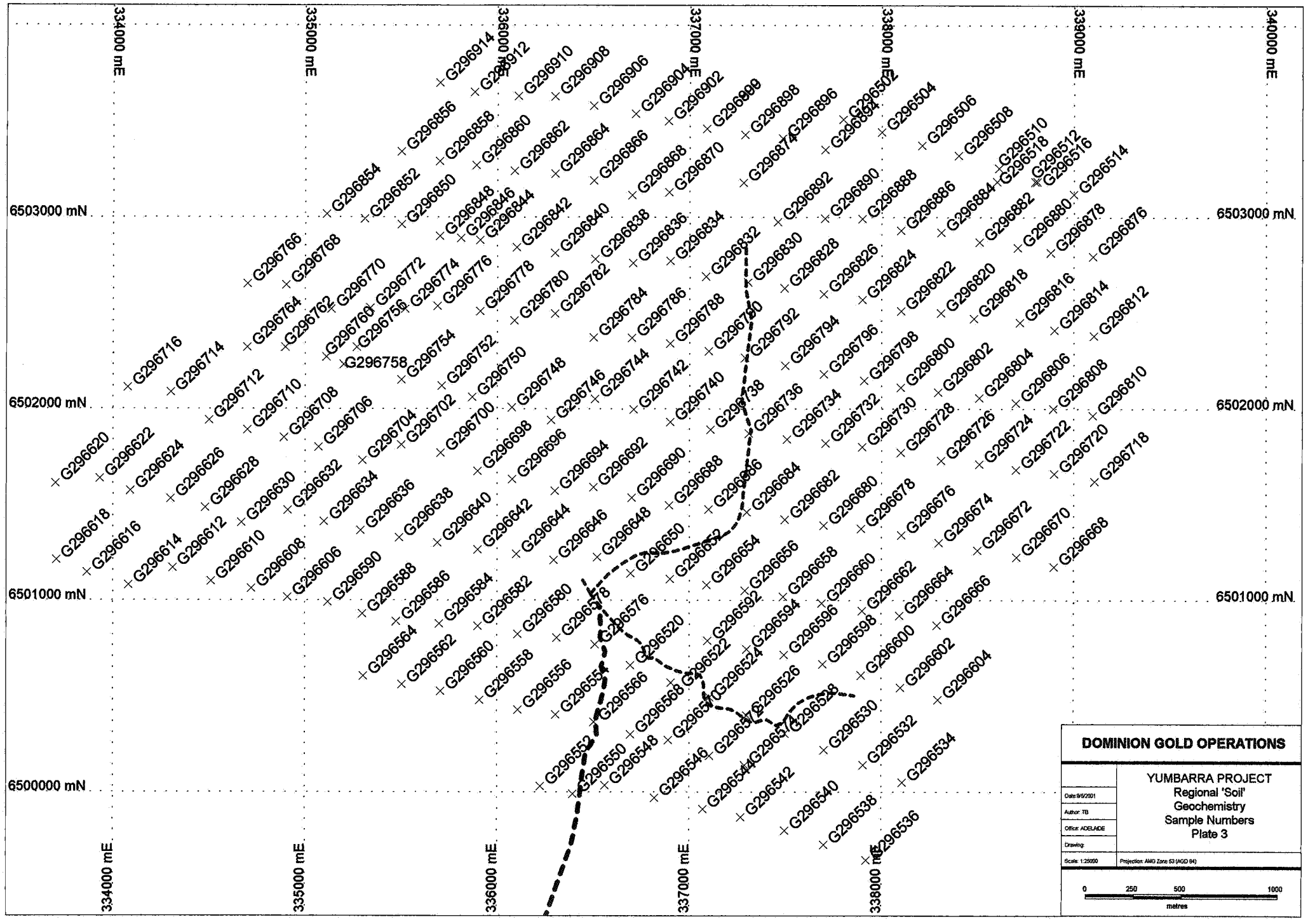
metres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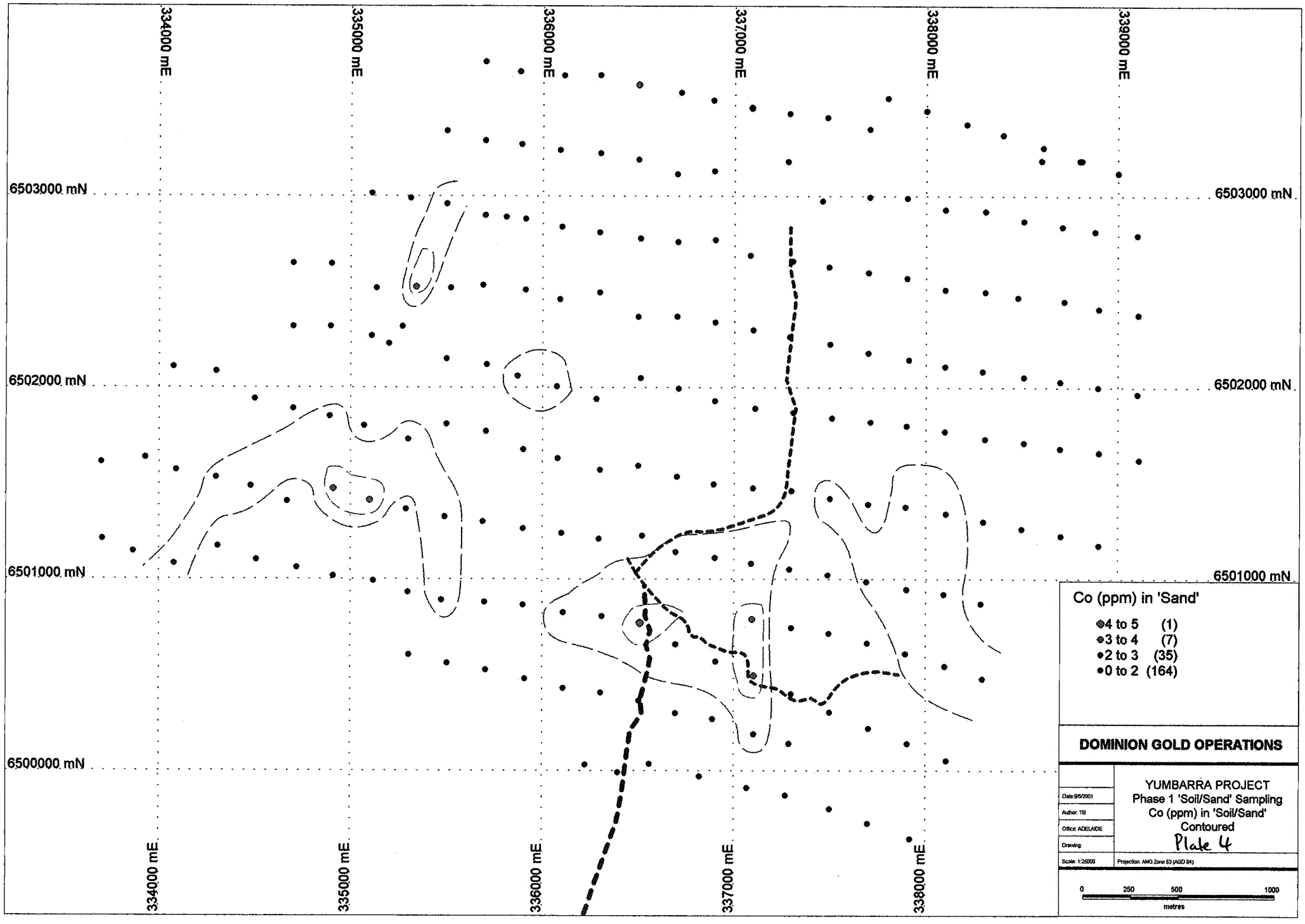
6500000 mN
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Regional 'Soil'
Geochemistry
Sample Numbers
Plate 3
Date: 9/9/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres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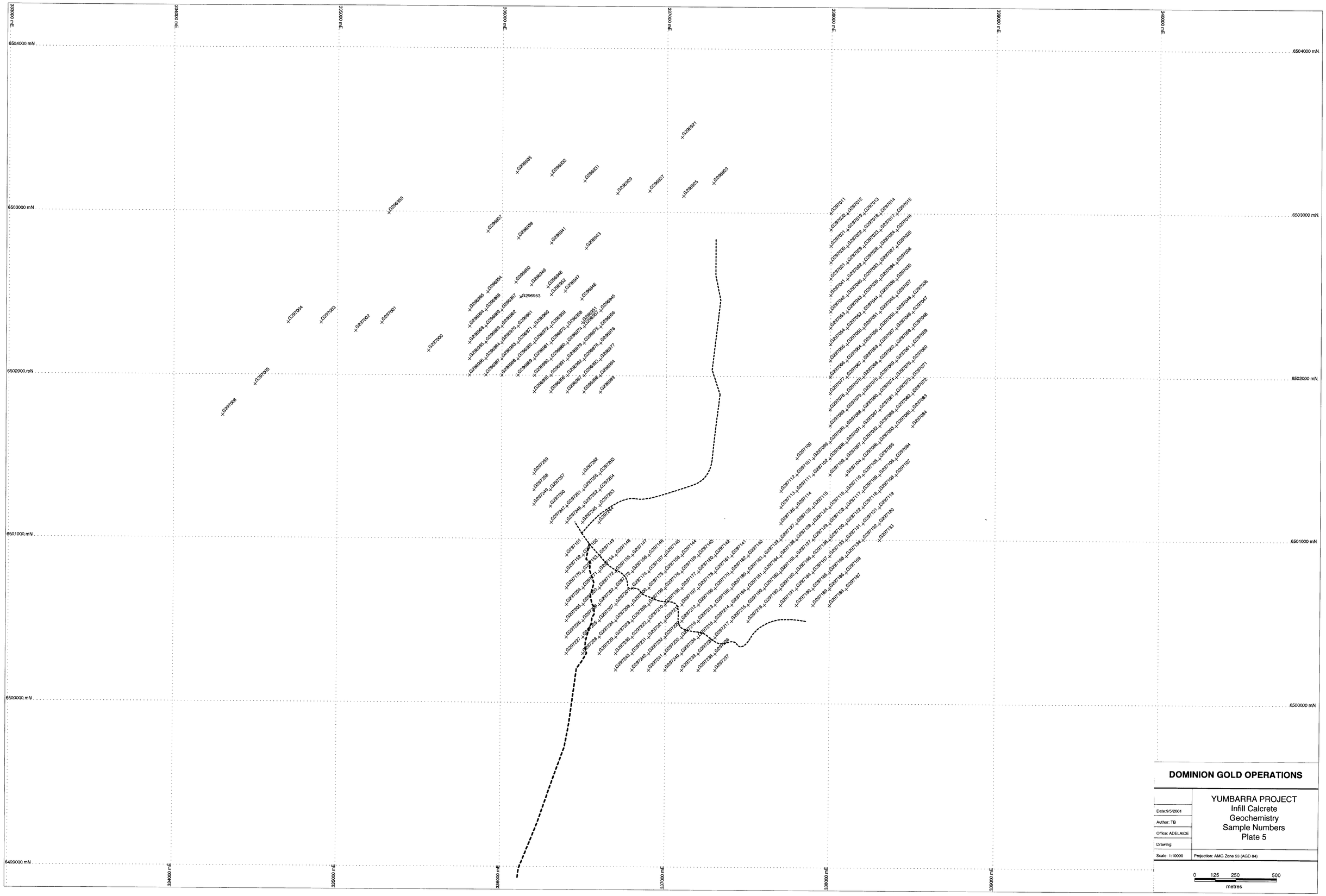
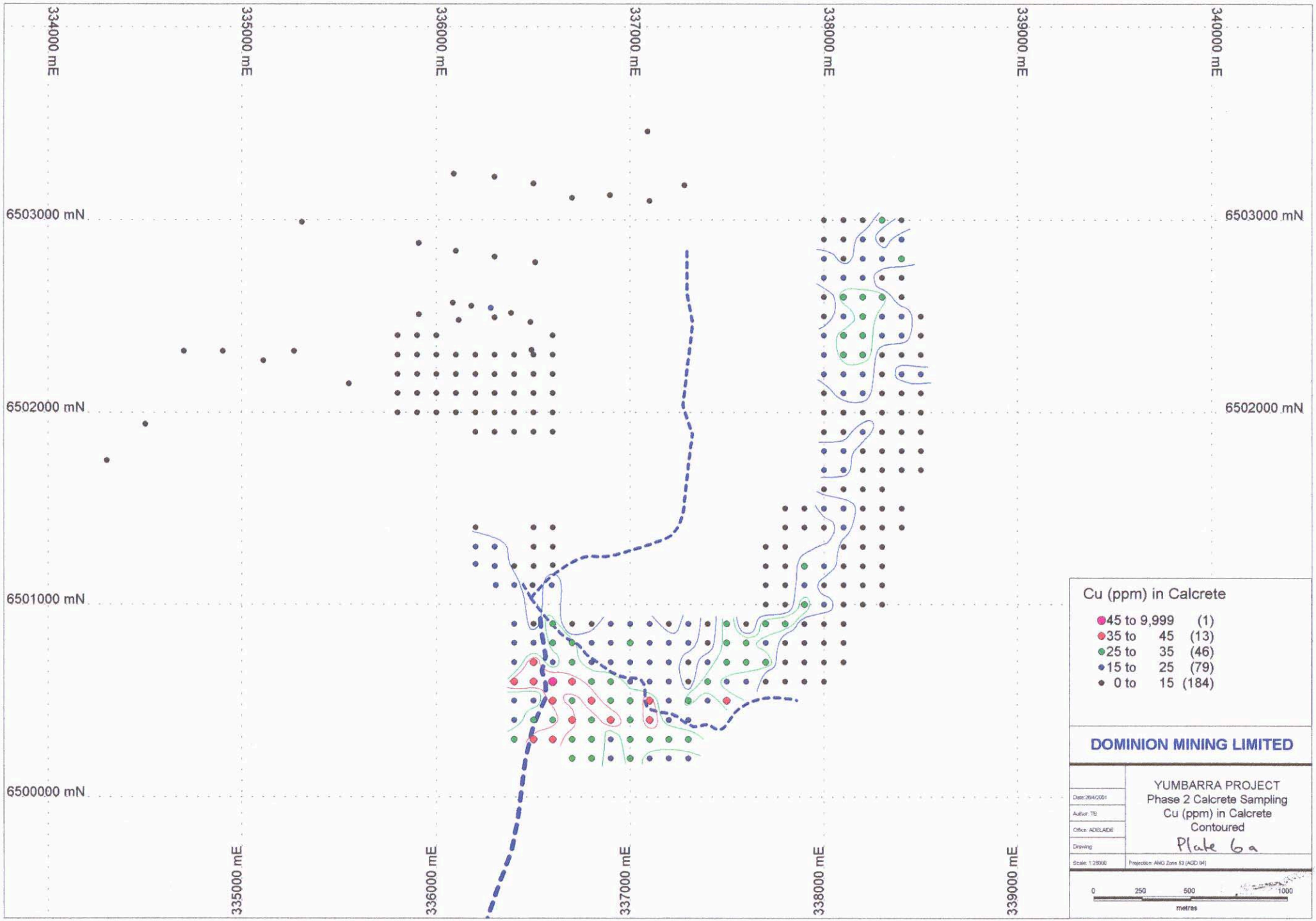
336000 mE
337000 mE
338000 mE
339000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Co (ppm) in 'Sand'
4 to 5 (1)
3 to 4 (7)
2 to 3 (35)
0 to 2 (164)
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Phase 1 'Soil/Sand' Sampling
Co (ppm) in 'Soil/Sand'
Contoured
Plate 4
Date:9/5/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres



DOMINION GOLD OPERATIONS

	YUMBARRA PROJECT Infill Calcrete Geochemistry Sample Numbers Plate 5
Date:9/5/2001	
Author: TB	
Office: ADELAIDE	
Drawing:	
Scale: 1:10000	Projection: AMG Zone 53 (AGD 84)

0 125 250 500
metres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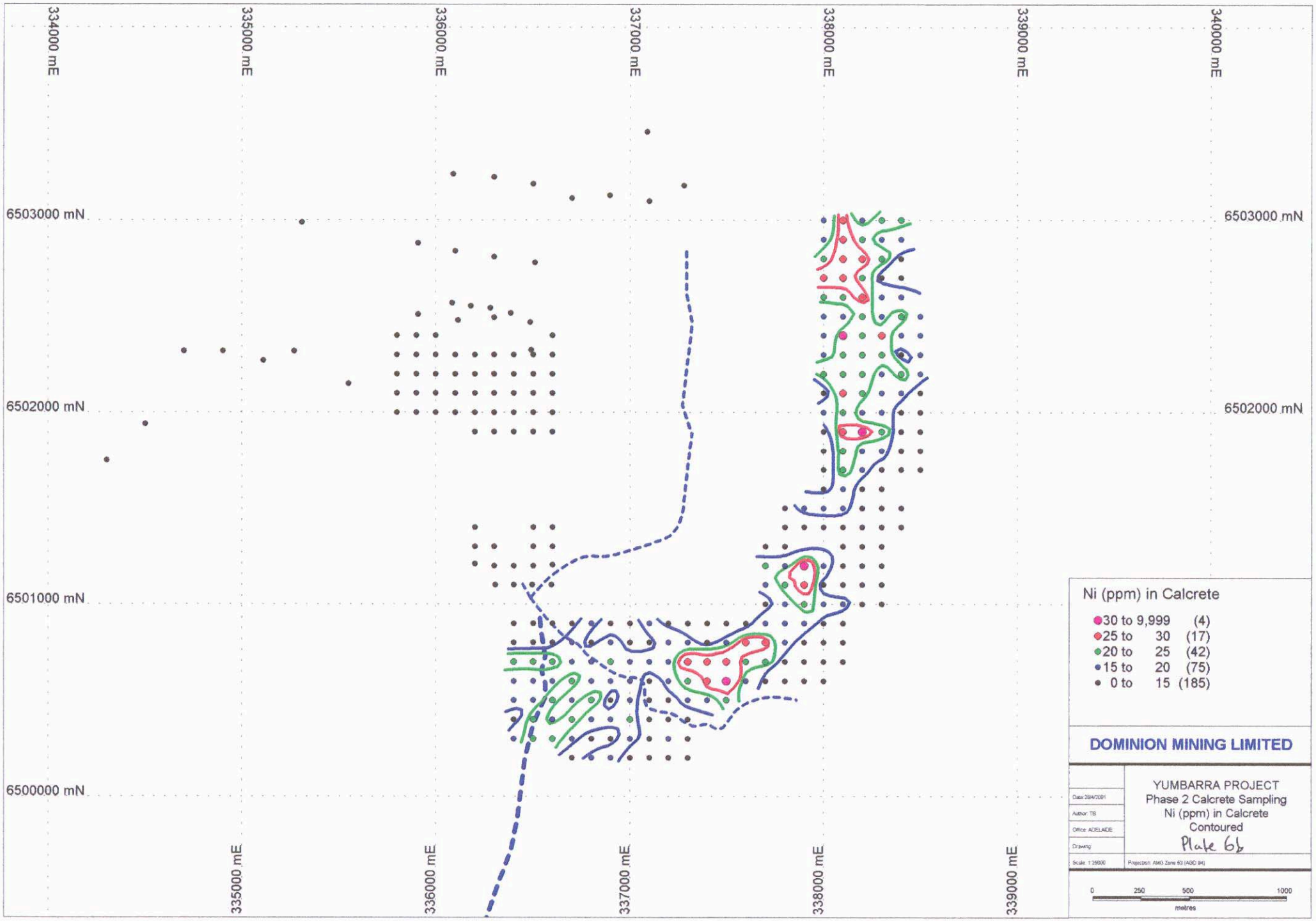
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Cu (ppm) in Calcrete
45 to 9,999 (1)
35 to 45 (13)
25 to 35 (46)
15 to 25 (79)
0 to 15 (184)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 Calcrete Sampling
Cu (ppm) in Calcrete
Contoured
Plate 6a
Date: 26/4/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres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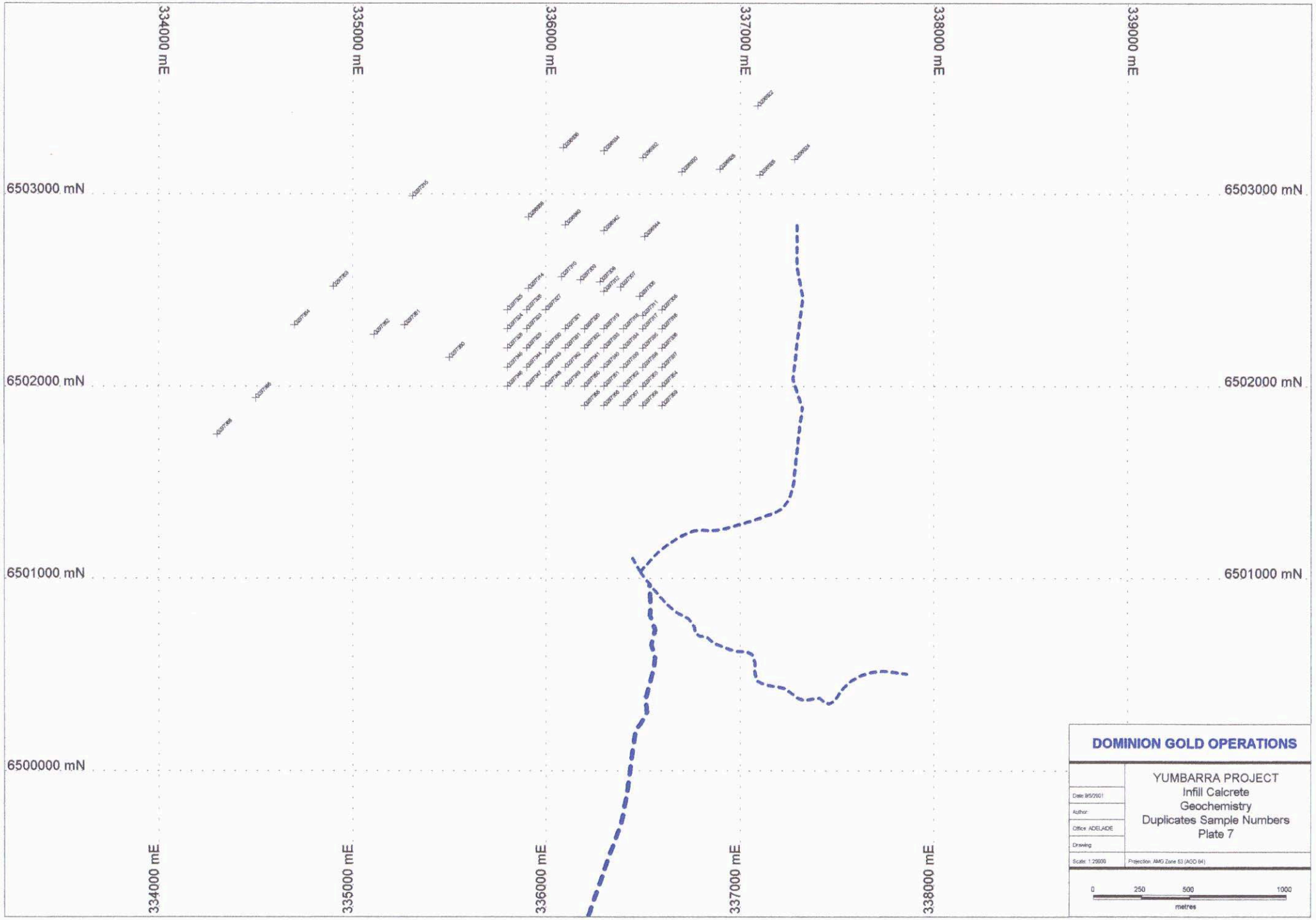
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Ni (ppm) in Calcrete
30 to 9,999 (4)
25 to 30 (17)
20 to 25 (42)
15 to 20 (75)
0 to 15 (185)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 Calcrete Sampling
Ni (ppm) in Calcrete
Contoured
Plate 6b
Date: 28/4/2001
Author: TS
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres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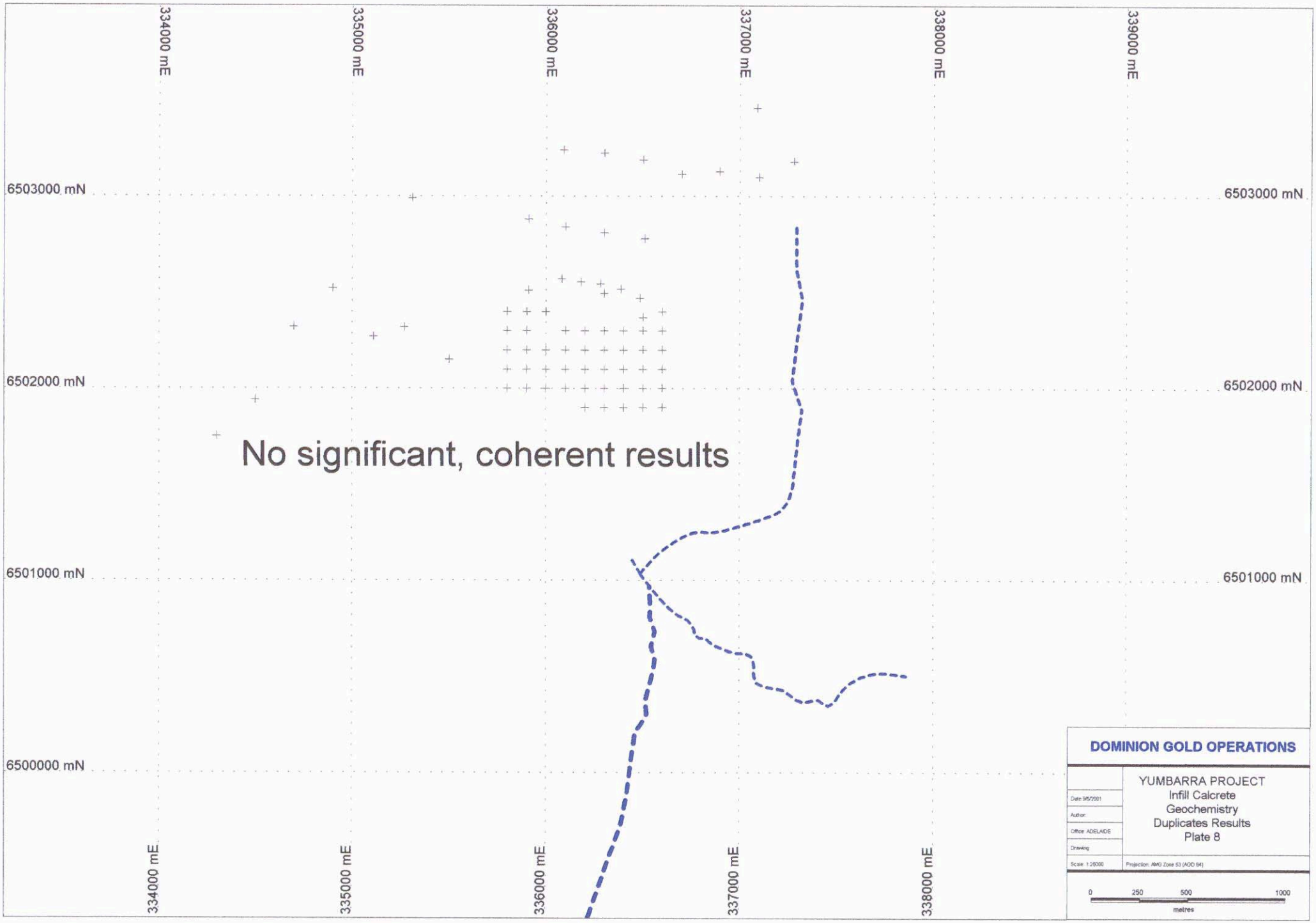
336000 mE
337000 mE
338000 mE
339000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Infill Calcrete
Geochemistry
Duplicates Sample Numbers
Plate 7
Date: 9/5/2001
Author:
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres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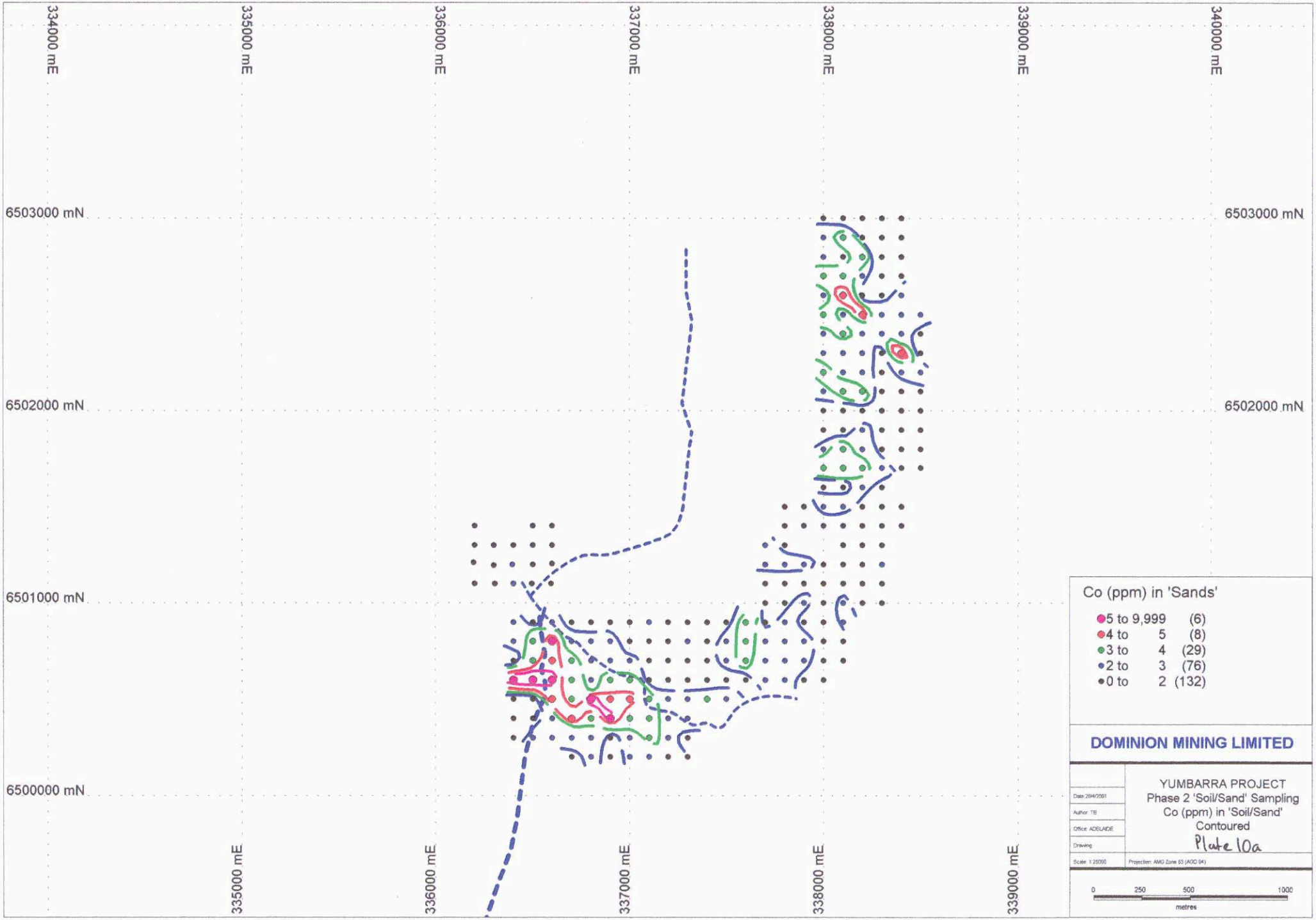
338000 mE
339000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
No significant, coherent results
DOMINION GOLD OPERATIONS
YUMBARRA PROJECT
Infill Calcrete
Geochemistry
Duplicates Results
Plate 8
Date: 9/5/2001
Author:
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres

334000 mE
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6504000 mN
6503000 mN
6502000 mN
6501000 mN
6500000 mN
6499000 mN

DOMINION GOLD OPERATIONS

	YUMBARRA PROJECT Infill 'Soil' Geochemistry Sample Numbers Plate 9
Date:9/5/2001	
Author: TB	
Office: ADELAIDE	
Drawing:	
Scale: 1:10000	Projection: AMG Zone 53 (AGD 84)

0 125 250 500
metres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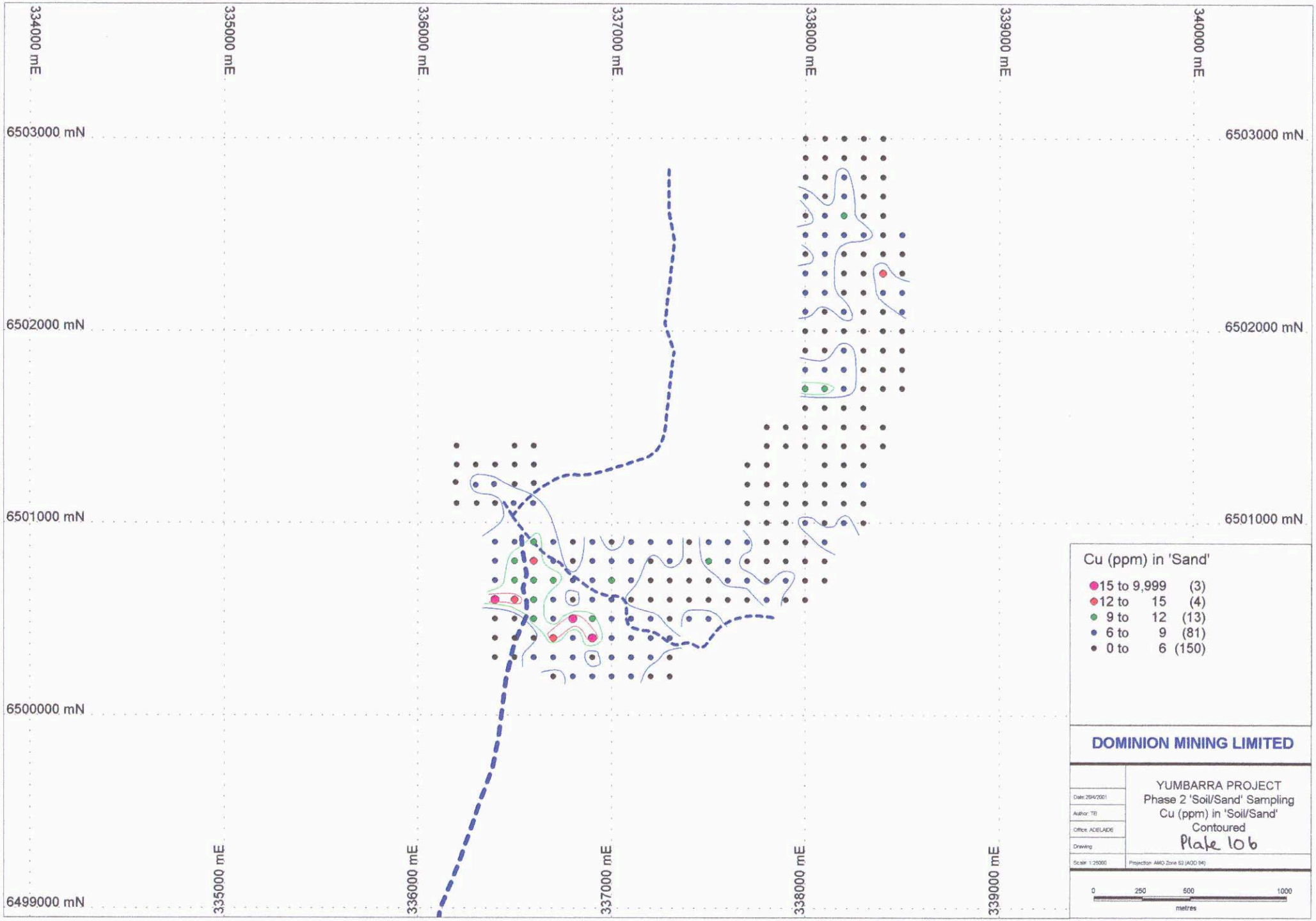
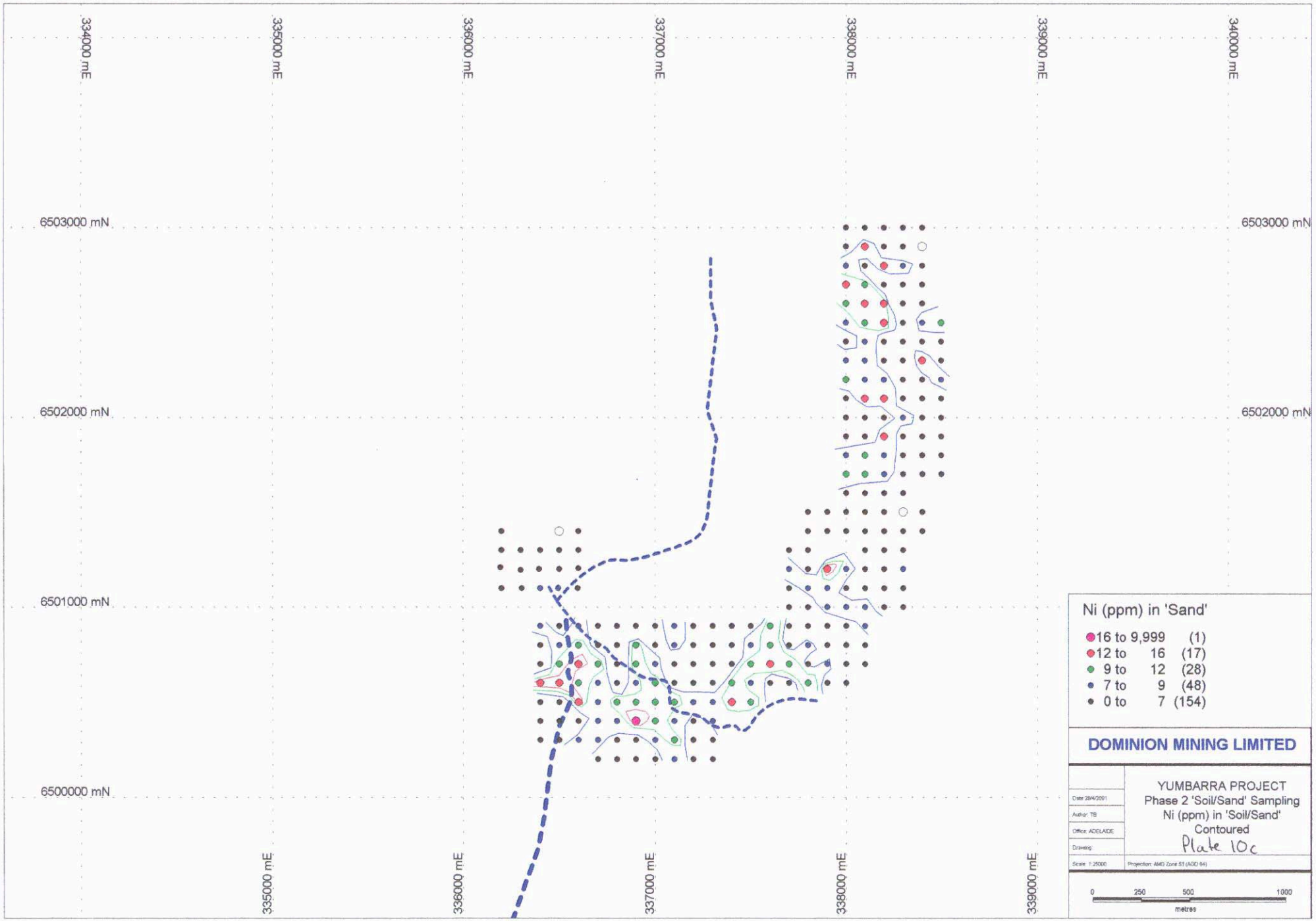
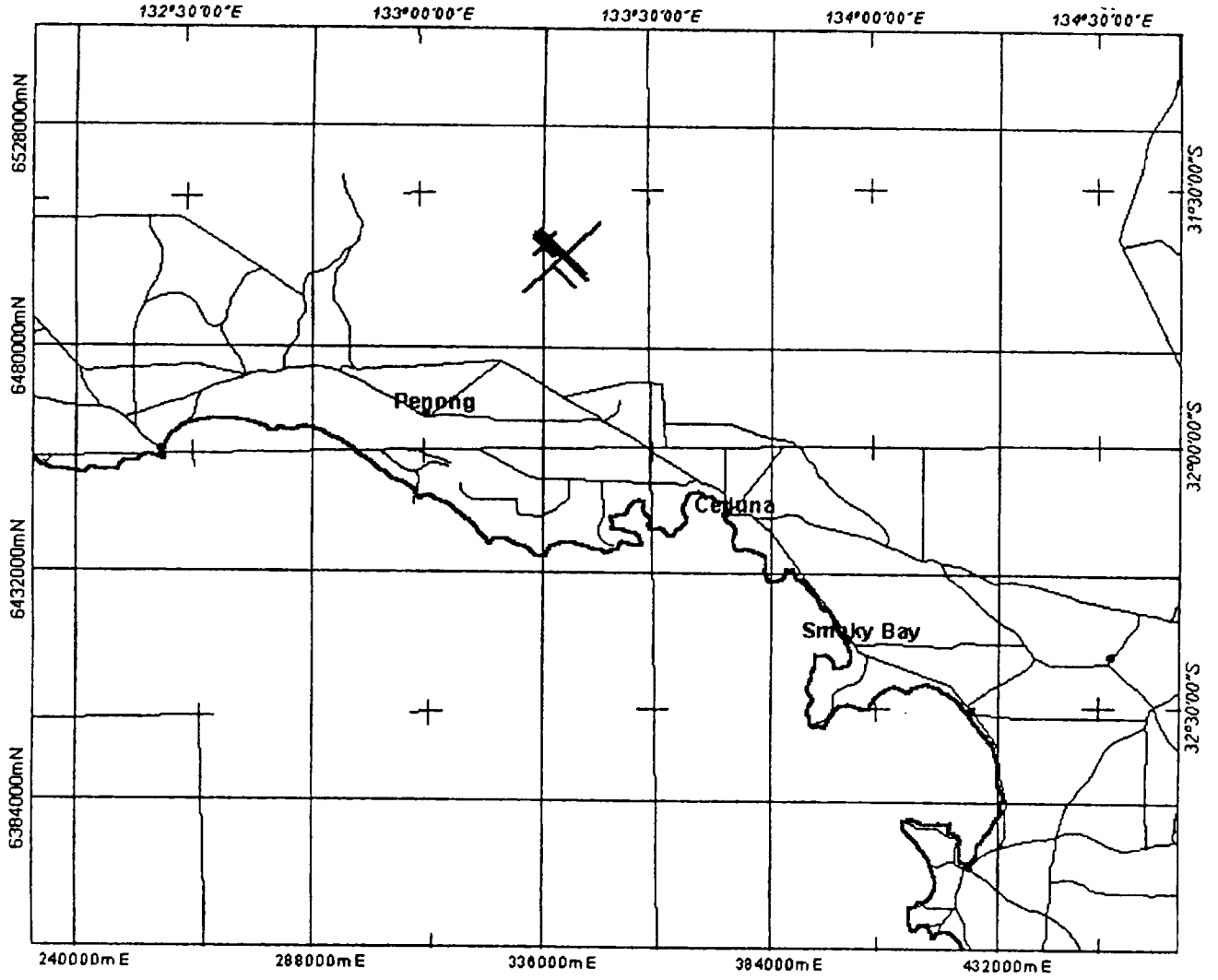
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Co (ppm) in 'Sands'
5 to 9,999 (6)
4 to 5 (8)
3 to 4 (29)
2 to 3 (76)
0 to 2 (132)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 'Soil/Sand' Sampling
Co (ppm) in 'Soil/Sand'
Contoured
Plate 10a
Date: 26/4/2001
Author: TB
Office: ADELAIDE
Drawing
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres


334000 mE
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
6499000 mN
Cu (ppm) in 'Sand'
15 to 9,999 (3)
12 to 15 (4)
9 to 12 (13)
6 to 9 (81)
0 to 6 (150)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 'Soil/Sand' Sampling
Cu (ppm) in 'Soil/Sand'
Contoured
Plate 10b
Date: 29/4/2001
Author: TB
Office: ADELAIDE
Drawing
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres


334000 mE
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
Ni (ppm) in 'Sand'
16 to 9,999 (1)
12 to 16 (17)
9 to 12 (28)
7 to 9 (48)
0 to 7 (154)
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 'Soil/Sand' Sampling
Ni (ppm) in 'Soil/Sand'
Contoured
Plate 10c
Date: 28/4/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0 250 500 1000
metres

Location Plan for Ceduna Test Lines



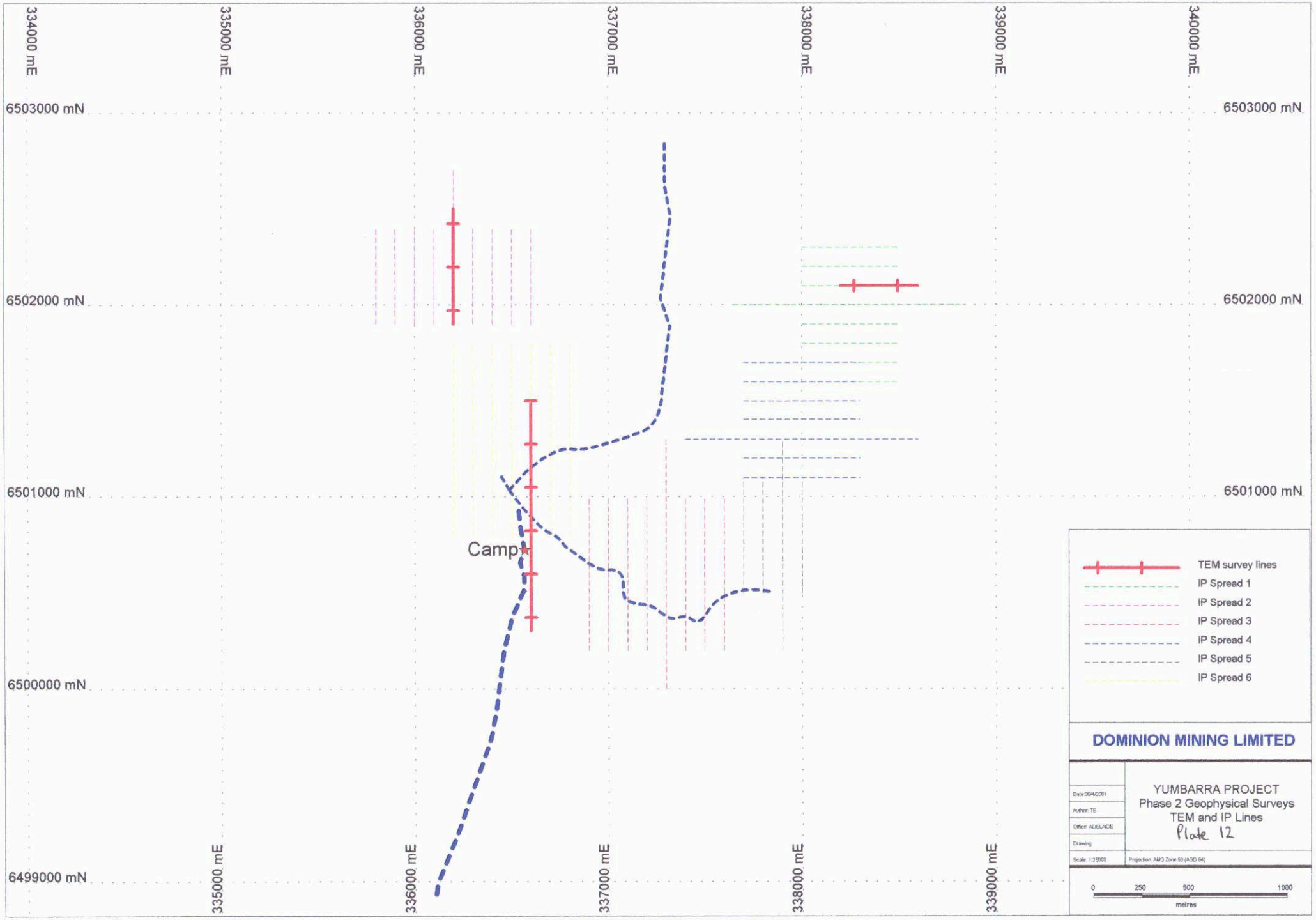
30 0 30 60 90 Kilometers

N

DOMINION MINING LIMITED

YUMBARRA PROJECT
AEM Geophysical Survey Lines
Plate 11

Date 30/4/2001
Author TB
Office ADELAIDE
Drawing
Scale Not Scaled Projection: AMG Zone 53 (AGD 84)


334000 mE
335000 mE
336000 mE
337000 mE
338000 mE
339000 mE
340000 mE
6503000 mN
6502000 mN
6501000 mN
6500000 mN
6499000 mN
Camp
TEM survey lines
IP Spread 1
IP Spread 2
IP Spread 3
IP Spread 4
IP Spread 5
IP Spread 6
DOMINION MINING LIMITED
YUMBARRA PROJECT
Phase 2 Geophysical Surveys
TEM and IP Lines
Plate 12
Date: 30/4/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:25000
Projection: AMG Zone 53 (AGD 84)
0
250
500
1000
metres

DOMINION GOLD OPERATIONS PROPRIETARY LIMITED

A.C.N. 000 715 882

RESOLUTE RESOURCES LIMITED

A.C.N. 009 121 662

YUMBARRA EL 2685

SOUTH AUSTRALIA

SECOND ANNUAL REPORT

REPORTING PERIOD
5 JANUARY 2001 - 4 JANUARY 2002

1:250,000 Map Sheet Reference
FOWLER SH 53-13

1:100,000 Map Sheet References
Penong 5534
Poondinga 5535

P. Robinson
T Birt
R. Coats
June 2002

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Dominion Mining Limited, Perth	1 hard copy, 1 digital copy
Resolute Resources Limited, Perth	1 hard copy, 1 digital copy
Dominion Gold Operations Pty Ltd, Adelaide	1 hard copy, 1 digital copy

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4. TENURE **1**

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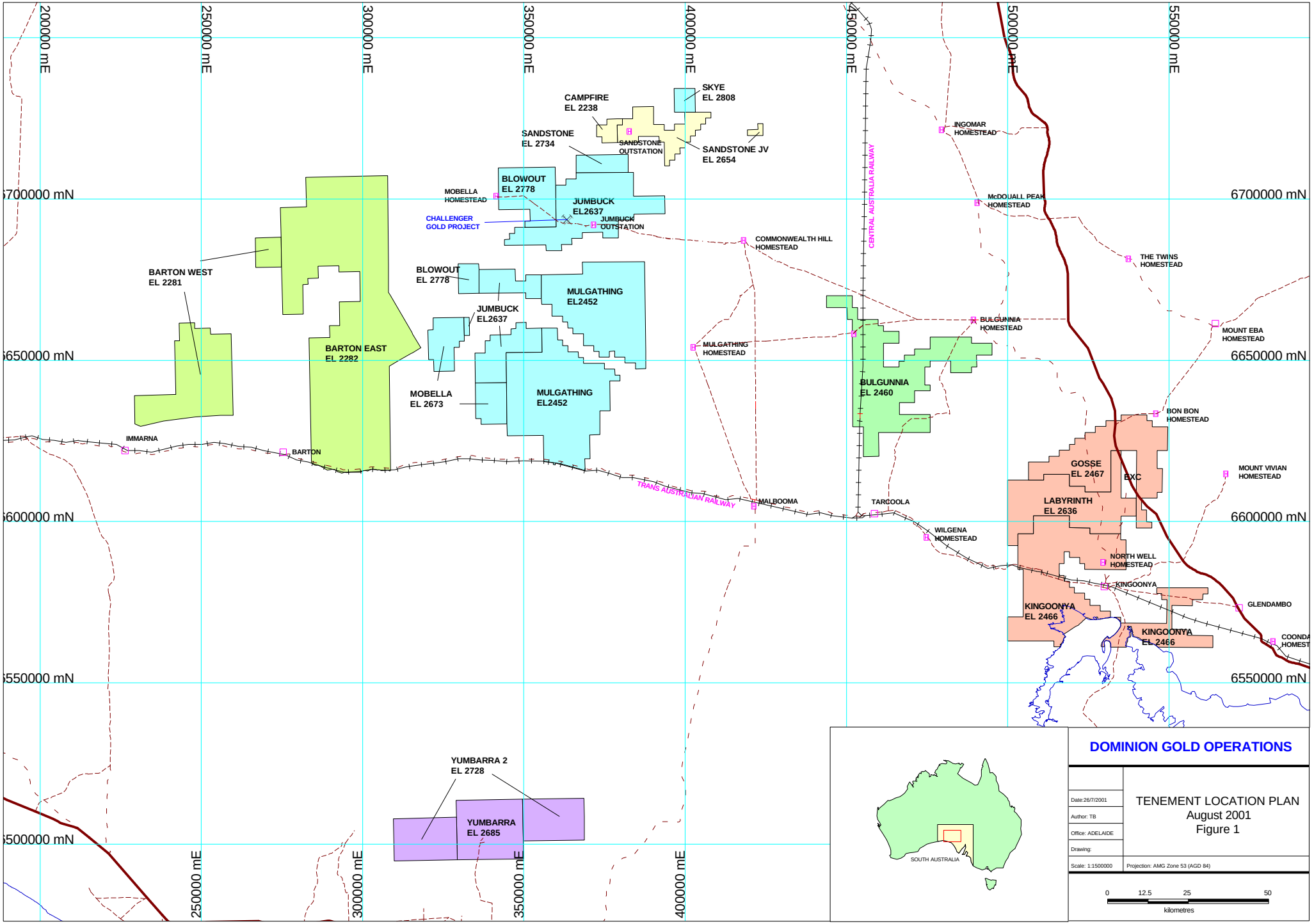
Appendix 2 Soil Database
Appendix 3 Drillhole Summary Sheets
Appendix 4 Drillhole Logs and Geological Code
Appendix 5 Analytical Reports - Drillhole Samples
Appendix 6 Petrographic Report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SKYE
EL 2808
CAMPFIRE
EL 2238
SANDSTONE
EL 2734
SANDSTONE
OUTSTATION
SANDSTONE JV
EL 2654
BLOWOUT
EL 2778
MOBELLA
HOMESTEAD
JUMBUCK
EL2637
CHALLENGER
GOLD PROJECT
JUMBUCK
OUTSTATION
COMMONWEALTH HILL
HOMESTEAD
BARTON WEST
EL 2281
BLOWOUT
EL 2778
MULGATHING
EL2452
JUMBUCK
EL2637
BARTON EAST
EL 2282
MOBELLA
EL 2673
MULGATHING
EL2452
MULGATHING
HOMESTEAD
IMMARNA
BARTON
TRANS AUSTRALIAN RAILWAY
MALBOOMA
TARCOOLA
CENTRAL AUSTRALIA RAILWAY
INGOMAR
HOMESTEAD
McDOUALL PEAK
HOMESTEAD
THE TWINS
HOMESTEAD
BULGUNNIA
HOMESTEAD
MOUNT EBA
HOMESTEAD
BULGUNNIA
EL 2460
BON BON
HOMESTEAD
GOSSE
EL 2467
EXC
MOUNT VIVIAN
HOMESTEAD
LABYRINTH
EL 2636
WILGENA
HOMESTEAD
NORTH WELL
HOMESTEAD
KINGOONYA
KINGOONYA
EL 2466
GLENDAMBO
KINGOONYA
EL 2466
COONDA
HOMEST
YUMBARRA 2
EL 2728
YUMBARRA
EL 2685
SOUTH AUSTRALIA
DOMINION GOLD OPERATIONS
TENEMENT LOCATION PLAN
August 2001
Figure 1
Date:26/7/2001
Author: TB
Office: ADELAIDE
Drawing:
Scale: 1:1500000
Projection: AMG Zone 53 (AGD 84)
0
12.5
25
50
kilometres

1. SUMMARY

Exploration on EL 2685 during the second year of tenure included regolith sampling (using a Toyota mounted auger rig) and air core drilling to bedrock. Petrological studies and multi-element analysis were completed on bedrock samples.

Further biological surveys were also completed.

2. INTRODUCTION

Yumbarra Exploration Licence 2685 is within the Yumbarra Conservation Park north of Ceduna, SA. In 1992 the South Australia Mines and Energy flew a low altitude aeromagnetic survey over the area and delineated a magnetic anomaly within the park. Dominion Gold Operations applied for and was granted tenure to investigate the anomaly. The tenement became part of the Gawler Joint Venture with Resolute Resources Limited. To date, the JV has carried out surface sampling and geophysical surveying followed by aircore drilling, all under strict environmental guidelines.

3. LOCATION AND ACCESS

Exploration Licence 2685 ("Yumbarra") is located approximately 70 kilometres northwest of Ceduna on the western Eyre Peninsula, South Australia (Figure 1). The Yumbarra prospect area is located within the central part of the Yumbarra Conservation Park and occupies a broad, low amplitude hill flanked by east to south east striking sand dunes. The prospect area covers approximately 10 square kilometres of mallee dominant vegetation which was once typical of the western Eyre Peninsula prior to agricultural development of the region.

Access to the prospect area is via the Eyre Highway, west for approximately 40 kilometres from Ceduna then north on a formed gravel road for 10 kilometres to the southern vermin proof fence. Access from the vermin proof fence is via an existing unauthorized track now under the control of National Parks and Wildlife. This track runs along the northern side of the fence for approximately 5 kilometres then extends northward approximately 15 kilometres to the area of activities.

4. TENURE

Exploration Licence 2685 "Yumbarra" covering 380 square kilometres was granted to Dominion Gold Operations Pty. Ltd. (a wholly owned subsidiary of Dominion Mining Limited) and Resolute Resources Ltd. (a wholly owned subsidiary of Resolute Limited) for a period of 2 year commencing 5 January 2000.

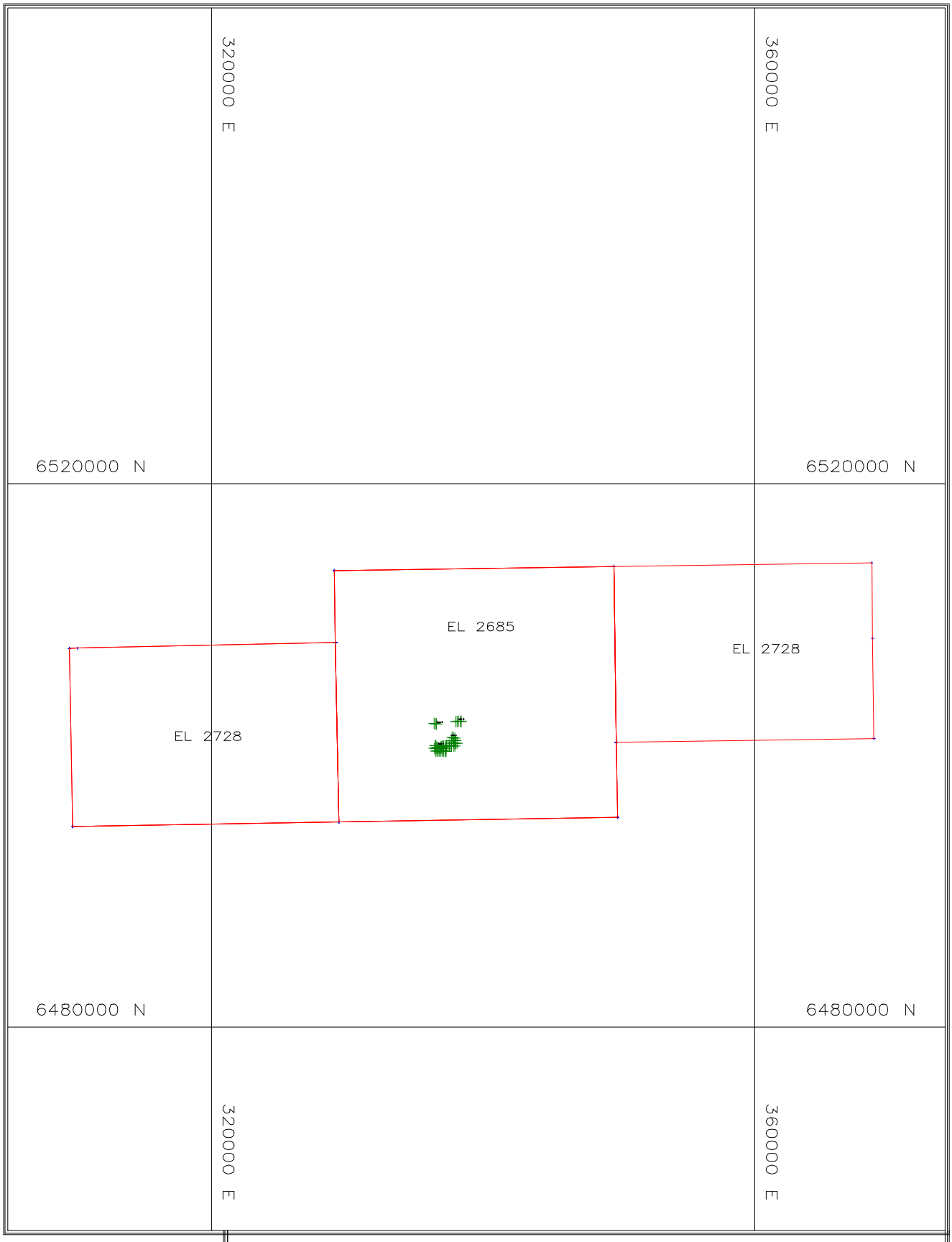
The tenement is part of the Gawler Joint Venture between Dominion Gold Operations Pty. Ltd. and Resolute Resources Ltd., with Resolute being the manager until 4 December 2000. Dominion took over management from that date.

The tenure has been renewed for a further year and EL 2685 now expires on 4 January 2003.

5. GEOLOGY

Outcrop within the EL is unrecorded with the surface being dominated by aeolian sand, forming sand ridges to an average height of 10 metres.

The nearest of the limited outcrop in the region is located approximately 25 kilometres away in several directions (south east to Inala Rock Waters and Yumbarra Rock Hole, north west to Moornaba Rock Hole and north-north east to Poondinga Rock Water). All outcrop at these localities has been identified as Mesoproterozoic Hiltaba Suite granitoid intrusives.



DOMINION GOLD OPERATIONS

YUMBARRA EL 2685

PROSPECT LOCATIONS

DRAWN : PR	SCALE 1 : 400000	Figure 2
DATE : 21 Jun 2002	CHECKED :	

The Yumbarra prospect area is focused on the reverse 'C' shaped magnetic anomaly that has a maximum amplitude of over 7000nT which is coincident with geo-morpological and topographic features. Geophysical interpretation of the aeromagnetic data indicates the cause of the magnetic anomaly is a shallow (possibly subcropping) layered intrusive body in which a series of prominent concentric magnetic high features may reflect ultramafic layering. The reverse 'C' feature is interpreted to have a non magnetic anulus. Other linear magnetic features may represent cross cutting intrusive dykes.

6. PREVIOUS EXPLORATION

No previous ground based investigations had been carried out in the immediate area due to the central portion of the Yumbarra Conservation Park (containing the Yumbarra prospect area) being proclaimed in 1968 without provision for exploration.

The central portion of the Yumbarra Conservation Park was reproclaimed in November 1999 to allow exploration under strict guidelines and supervision.

This magnetic anomaly was discovered in 1992 as a result of the detailed, low altitude aeromagnetic surveys conducted by the former Mines and Energy, S.A. as part of the South Australian Exploration Initiative (SAEI).

Prior to the grant of EL 2685 and ground exploration by the Gawler Joint Venture, Ecologia Environmental Consultants from Perth WA were commissioned to provide a baseline biological assessment of the area (Ecologia 2000).

During 2000, Dominion and Resolute completed the following exploration:-

Phase 1 July - September 2000:

- airborne electromagnetic survey
- regional calcrete sampling
- regional soil sampling
- cultural and heritage site clearance surveys
- environmental rehabilitation

Phase 2 November 2000:

- infill calcrete sampling
- infill soil sampling
- transient electromagnetic survey
- induced polarisation survey
- environmental rehabilitation
- environmental surveys

The location of the areas currently being explored within EL2685 is shown in Figure 2.

7. CURRENT EXPLORATION

7.1 Auger Regolith Sampling (Phase 3)

Between 23rd March and April 2001, 54 shallow auger holes were drilled in 3 areas to obtain regolith profile samples. Auger drilling was carried out by McLeod Drilling and Exploration, using a 4WD Toyota mounted auger rig.

A total of 54 auger holes were drilled from which 45 regolith samples (G297641-684 and G297670A) were collected. Samples were analysed by Genalysis Laboratory Services Pty Ltd with sample preparation being done in Adelaide and analysis in Perth WA. Samples were assayed for Au, As, Co, Cr, Cu, Fe, Mo, Ni, Pb, Pd, Pt, U, V and Zn.

Gold was analysed by B/ETA method of aqua-regia digestion and graphite furnace atomic absorption spectrometry analysis (detection limit 1ppb). The other 13 elements were analysed by B/MS analytical method which involves aqua-regia digestion and inductively coupled plasma mass spectrometry analysis (detection limits As 0.5ppm, Co 0.1ppm, Cr 5ppm, Cu 1ppm, Fe 0.01%, Mo 0.1ppm, Ni 1ppm, Pb 1ppm, Pd 10ppb, Pt 5ppb, U 0.01ppm, V 5ppm, Zn 5ppm).

Regolith sample details and assay results are shown in Appendices 1 & 2.
Regolith sample locations are shown on Plate 1.

7.2 Air Core Drilling (Phase 4)

Between the 15th and 28th of August 2001, a first pass exploration aircore drilling programme was conducted on the Yumbarra tenement. Drilling was carried out by Wallis Drilling Pty Ltd of Perth WA.

A total of 55 aircore drillholes (YBAC001-055) were drilled for 1,220 metres with 561 one metre samples (G302501-G303061) being collected where bedrock was intercepted.

All samples were analysed at Genalysis Laboratory Services Pty. Ltd. with sample preparation being done in Adelaide and analysis in Perth W.A. As a cost reduction measure, the samples were composited to three metre intervals (sample numbers 001-233). These 233, three metre composites were analysed for Au As, Co, Pd, Pt, Cr, Cu, Fe, Ni, S, and Zn.

Au, As, Co, Pd, and Pt were analysed by B/MS analytical method which involves aqua-regia digestion and inductively coupled plasma mass spectrometry (detection limits Au 1ppb, As 0.5ppm, Co 0.1ppm, Pd 10ppb, Pt 5ppb). Au repeats were analysed by B/ETA method of aqua-regia digestion and graphite furnace atomic absorption spectrometry (detection limit 1ppb).

Cr, Cu, Fe, Ni, S and Zn were analysed by B/OES method of aqua-regia digestion and inductively coupled plasma optical (atomic) emission spectrometry (detection limits Cr 2ppm, Cu, Ni, Zn 1ppm, Fe 0.01%, S 10ppm).

Forty two of the drillholes intercepted interpreted basement rocks. The majority of the other drillholes blade refused in the silicified sand beds which cover regions of the prospect area.

Drilling intercepted gabbroic rock varying between felsic and mafic phases. As interpreted from end of hole samples, lithological boundaries based on visual interpretation of composition have been compiled. These boundaries coincide with the concentric magnetic units as interpreted from the detailed aeromagnetic data.

Results have been reviewed and 01YBAC042 (along with some nearby drillholes) contains elevated levels of cobalt (peak 1066ppm, 17-20 metres) and nickel (peak 1357ppm, 17-20 metres). This is coincident with high iron values (36%).

Drillhole details and assay results are shown in Appendices 1 and 3 - 5.
Drillhole locations are shown on Plate 2.

7.2 Petrology (Phase4)

Chip tray representative samples from each zone of the interpreted geology and samples from the end of drillholes were sent to PIRSA regional geology staff (Sue Daly and Gary Ferris). Samples were from holes YBAC 01 - 02, 11, 13, 15, 18 - 19, 21, 23, 25 - 26, 28, 30 - 33, 36 - 43, 51 and 53. These samples were examined and reported on by Pontifex and Associates and included here as Appendix 6.

7.3 Multi-element analysis (Phase 4)

Twenty five of the samples sent to PIRSA were assayed by Amdel Limited laboratory for Au, Pt, Pd, Pd, (FA3 method) Al2O3, CaO, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SiO2, TiO2, Cr, Sc, V (IC4 method) Ba, Be, Hf, Nb, Rb, Sn, Sr, Ta, W, Zr (IC4M method) LOI (GRAV7 method) Ag, As, Co, Cu, Ni, S, Zn (IC3E method), Bi, Cd, Ce, Cs, Ga, In, La, Mo, Sb, Se, Te, Th, Tl, U, Pb, Y (IC3M method) Dy, Er, Eu, Gd, Ho, Lu, Nd, Pr, Sm, Tb, Tm, Yb (IC3R method).

Sample details and results are shown in Appendix 1, 4 and 5.

8. ENVIRONMENTAL REHABILITATION

Rehabilitation outlined in the DEF has been conducted in conjunction with the exploration activities. Periodic reports have been submitted to PIRSA and DEH.

Rehabilitation consisted mainly of the removal of access tracks by de-rutting, camouflaging and disguising the tracks and departure points from the pre-existing, unauthorised tracks.

All sample sites and survey data points were rehabilitated so as to leave no visual impact.

9. CONCLUSION

The air core drilling programme has provided the first definitive information about the bedrock geology in the area of the Yumbarra magnetic anomaly. The identification of cumulate mafic and ultramafic lithologies is strongly suggestive of a layered intrusive body which is, therefore, the likely source of the magnetic anomaly.

Prospectivity related to such geology is likely to relate to copper-nickel and PGE deposits. Further exploration should involve both systematic bedrock sampling and geophysical surveying.

10. EXPENDITURE

Expenditure on EL 2685 for the second year of tenure from 5th January 2001 to 4th January 2002 is as follows:-

air core drilling	22,563.50
assays	21,084.86
auger drilling	6,300.00.
camp & field	8,684.87
consultants - environmental	55,198.00
consultants - exploration	12,161.57
equipment hire	2,030.00
freight	603.85
office & administration	39,624.08
photography	236.00
salaries & wages	74,085.04
tenement	3,041.00
travel & accommodation	6,385.00
vehicles	6,763.23
Total	$258,760.75

Total expenditure for the second year of tenure was $258,761
Total expenditure on Exploration Licence 2685 for the two years of tenure is $605,900

11. REFERENCES

1. Ecologia Environmental Consultants, January 2002. Gawler Joint Venture EL 2685 Yumbarra exploration environmental monitoring assessment report. Unpublished Gawler Joint Venture report to Minerals and Energy Resources and Department of Environment and Heritage.

2. Birt, T. and Wendland, T., November 2001. Yumbarra Project, South Australia report on photographic documentation of the rehabilitation of exploration activities, Yumbarra Conservation Park, South Australia. Unpublished Gawler Joint Venture report to Minerals and Energy Resources.

3. Birt, T., Robinson, P., Coats, R., May 2001. Yumbarra EL 2685 South Australia first annual report for the period 5 January 2000 - 4 January 2001. Unpublished Gawler Joint Venture report to Minerals and Energy Resources.

4. Odd, P., May 2000. Declaration of Environmental Factors for approval to conduct an exploration program on EL 2685 situated in the Yumbarra Conservation Park. Unpublished Gawler Joint Venture report to Minerals and Energy Resources.

5. Ecologia Environmental Consultants, April 2000. Gawler Joint Venture EL 2685 Baseline biological assessment on ELA142/93 - Yumbarra. Unpublished report.

12. KEYWORDS

aeromagnetic, air core drilling, auger drilling, calcrete, cobalt, Conservation Park, chromium, copper, environmental rehabilitation, geochemistry, geophysics, Hiltaba Granite, multi-element, nickel, platinum, palladium, petrology, Proterozoic, Precambrian, regolith, soil, Yumbarra,.

Appendix 1

List of Assay Jobs

ASSAY JOB LIST YUMBARRA EL 2685
YEAR 2 EXPLORATION

Laboratory Job No.	Order No.	Date Sent	Date all results received	No. of Samples	Sample Type	Drill hole	Area/Prospect	Title/EL No.	Sample No.	Elements
Genalysis 568.0/0101675	Dominion 10522	4/4/01	23/4/01	45	Soil (regolith)	Auger	Yumbarra	EL 2685	G297641-684, G297670A	Au, As, Co, Cr, Fe, Mo, Ni, Pb, Pd, Pt, U, V, Zn
Genalysis 568.0/0105105	Dominion 10532	3/9/01	20/9/01	561	Air Core	YBAC001-055	Yumbarra	EL 2685	G302501-G303061	Au,As,Co,Cr,Cu,Ni,Pd,Pt,Fe,S,Zn
Amdel 2AD0011	Mineral Resources Group PIRSA EX3080	7/1/02	1/2/02	25	Air Core	YBAC 01 - 02, 11, 13, 15, 18 - 19, 21, 23, 25 - 26, 28, 30 - 33, 36 - 43, 51 and 53	Yumbarra	EL 2685	R487634 - R487661 R487648, R487657 & R487658 listed not received	Au, Pt, Pd, Pd, Al2O3, CaO, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SiO2, TiO2, Cr, Sc, V, Ba, Be, Hf, Nb, Rb, Sn, Sr, Ta, W, Zr, LOI, Ag, As, Co, Cu, Ni, S, Zn, Bi, Cd, Ce, Cs, Ga, In, La, Mo, Sb, Se, Te, Th, Tl, U, Pb, Y, Dy, Er, Eu, Gd, Ho, Lu, Nd, Pr, Sm, Tb, Tm, Yb

Appendix 2

Soil Database

Yumbarra EL 2685 Year 2 Exploration

SOIL DATABASE

Sample Number	AMG Northing	AMG Easting	Depth to Soil (m)	Sample Type	Sample Notes	Sample Method	Au (ppb)	As (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe %	Mo (ppm)	Ni (ppm)
G297641	6500385	336410	6	Soil	lithified calc. aeolianite	Auger	<1	3.8	8.4	14	29	0.86	0.6	10
G297642	6500395	336505	6	Soil	Or/Br calc. qz dune sands	Auger	<1	3.3	8.6	40	25	1.51	1.7	9
G297643	6500405	336595	7	Soil	Or/Br calc. qz dune sands	Auger	<1	2.2	14.7	30	48	3.35	0.8	14
G297644	6500385	336700	6.5	Soil	Wh/Tn clays + Fe stone	Auger	<1	4.9	42	<2	289	19.12	1	18
G297645	6500435	336805	5	Soil	Br clays + Fe stone	Auger	<1	1.6	121.4	30	121	13.7	2.3	84
G297646	6500400	337010	6.5	Soil	Or/Br sands + Fe nodules	Auger	<1	6.2	8.4	29	25	3.7	0.7	11
G297647	6500400	337205	5.5	Soil	Fe rich nodules	Auger	<1	32.8	8.8	150	17	10.8	1.7	8
G297648	6500425	337300	4	Soil	Or/Br sands + Fe nodules	Auger	<1	39.4	6.6	136	11	10.21	2.4	13
G297649	6500495	337305	4.5	Soil	Or/Br sands + Fe nodules	Auger	<1	50.8	6	129	8	13.72	4.5	5
G297650	6500505	337205	4.5	Soil	lith f-g qz sands + Fe nods	Auger	<1	24	3.1	99	12	6.42	1.2	6
G297651	6500505	337000	6	Soil	mottled Tn/Br clays	Auger	<1	30.4	10.2	141	80	6.42	1.7	25
G297652	6500505	337000	7	Soil	Wh/Tn clays	Auger	<1	14.8	42.9	100	126	3.43	1	88
G297653	6500505	337000	9	Soil	Tn/Br clays	Auger	<1	4.4	9.8	85	44	1.99	0.8	25
G297654	6500505	337000	10	Soil	Tn/Br clays	Auger	<1	1.4	16.9	126	64	2.54	0.4	41
G297655	6500515	336890	6.5	Soil	Or/Br sands + Fe nodules	Auger	<1	5.5	16.2	52	47	7.48	0.7	22
G297656	6500490	336805	7	Soil	Tn/Br clays	Auger	<1	4	4.9	132	116	5.18	0.6	10
G297657	6500490	336805	7.5	Soil	Tn clays	Auger	<1	2.9	37.9	255	318	19.37	0.6	68
G297658	6500490	336805	8	Soil	Tn clays + Lm nodules	Auger	<1	2.5	17.1	175	247	15.96	1	42
G297659	6500510	336695	6	Soil	Or/Br sands + Fe nodules	Auger	<1	3.2	52	41	96	11.06	0.8	90
G297660	6500505	336595	6.5	Soil	Or/Br sands + rare Fe nod	Auger	1	4.5	26.4	36	45	6.73	1.8	28
G297661	6500510	336500	6	Soil	Or/Br calc. qz dune sands	Auger	<1	2.4	8.3	16	31	1.61	0.5	10
G297662	6500510	336410	6	Soil	Or/Br calc. qz dune sands	Auger	<1	3.1	9.7	18	28	1.65	0.7	13
G297663	6500615	336430	6.5	Soil	Or/Br sands + Fe nodules	Auger	<1	3.7	62.5	19	83	9.34	0.8	35
G297664	6500585	336510	5.5	Soil	Or/Br sands + Fe nodules	Auger	<1	2.2	79.5	28	158	8.34	0.7	61
G297665	6500600	336600	6	Soil	Pu/Br clays + Fe stone	Auger	1	1.9	33.3	26	82	6.32	0.8	24
G297666	6500600	336600	7	Soil	Br/Pk clays + Fe stone	Auger	<1	1.5	64.7	35	124	13.78	0.5	39
G297667	6500600	336710	7	Soil	Br sands + Fe nodules	Auger	<1	2.1	11.1	17	24	4.66	0.8	10
G297668	6500600	336810	6	Soil	Br sands + Fe nodules	Auger	<1	3.5	10	29	20	7.49	0.8	9
G297669	6500590	336910	4.5	Soil	Br sands + Fe nodules	Auger	<1	8.3	21.2	34	123	7.5	0.9	18
G297670	6500620	337005	5.5	Soil	Br sands + minor Fe nods	Auger	<1	7.1	5.2	41	19	2.18	1	8
G297670A	6500605	337100	5	Soil	Br sands + minor Fe nods	Auger	<1	2.8	5.7	25	24	2.31	0.7	11
G297671	6500600	337195	5.5	Soil	Br calc. qz dune sands	Auger	1	3.6	3.2	25	8	1.32	0.7	8
G297672	6500595	337400	6.5	Soil	Fe nods + calcrete nods	Auger	<1	36.5	4.8	64	13	6.66	1.6	8
G297673	6500685	337590	6	Soil	Fe nodules	Auger	<1	19	10.6	19	13	2.03	0.6	6
G297674	6500685	337495	6.5	Soil	Or/Br calc. qz dune sands	Auger	<1	6.3	7	22	10	1.73	0.6	8
G297675	6500695	337385	6	Soil	Or/Br calc. qz dune sands	Auger	1	4.4	5.3	14	11	1.02	0.4	10
G297676	6501090	337995	7	Soil	Or/Br calc. qz dune sands	Auger	<1	6.3	3.3	22	7	1.46	0.8	7
G297677	6501090	337795	7	Soil	Br sands + minor Fe nods	Auger	<1	13.6	4.1	39	10	2.57	0.9	13
G297678	6501100	337690	8	Soil	calcrete nodules	Auger	1	4.1	5.5	15	11	0.91	0.6	8
G297679	6501220	337700	7	Soil	Or/Br calc. qz dune sands	Auger	<1	3.3	5.5	20	7	1.09	1.5	7
G297680	6501245	338000	9.5	Soil	silcrete / silc. qz sst	Auger	1	6.4	1.5	22	4	1.08	0.9	3
G297681	6501500	338210	6.5	Soil	Tn/Br calc. qz dune sands	Auger	<1	2.1	3	9	6	0.71	0.4	2
G297682	6502500	338390	7.5	Soil	Fe nods / Fe sst ?	Auger	<1	187.9	2.7	41	6	5.88	1.4	4
G297683	6502500	338195	6.5	Soil	Or/Br sands + minor lith f-g qz	Auger	1	7.4	10.2	24	13	1.82	0.5	13
G297684	6502485	337995	6.5	Soil	Or/Br dune sands	Auger	2	10.5	4.4	23	8	1.61	0.7	9

Yumbarra EL 2685 Year 2 Exploration

SOIL DATABASE

Sample Number	Pb (ppm)	Pd (ppb)	Pt (ppb)	U (ppm)	V (ppm)	Zn (ppm)	Genalysis Laboratory Job No	Project Name	Prospect Name	Tenement	Date Sampled
G297641	3	<10	<5	1.52	50	6	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297642	4	<10	<5	0.64	61	6	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297643	4	<10	<5	0.93	117	19	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297644	3	<10	<5	1.06	273	44	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297645	3	<10	<5	0.84	157	106	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297646	4	<10	<5	0.73	102	15	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297647	16	<10	6	2.97	800	<1	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297648	18	<10	7	5.89	666	<1	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297649	12	<10	8	6.68	740	<1	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297650	9	<10	<5	1.26	504	5	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297651	7	<10	7	1.16	667	11	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297652	4	13	6	0.59	283	19	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297653	2	<10	7	0.68	148	20	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297654	1	12	5	0.44	180	43	568.0/0101675	Yumbarra	Area 1	EL 2685	23-Mar-01
G297655	4	<10	6	0.59	190	31	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297656	3	<10	11	0.48	342	7	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297657	2	16	<5	0.59	440	250	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297658	3	<10	<5	0.6	261	81	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297659	28	12	6	0.81	110	245	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297660	4	<10	<5	0.56	131	24	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297661	3	<10	<5	1.86	64	12	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297662	2	<10	<5	0.8	53	9	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297663	4	<10	<5	0.95	157	41	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297664	3	<10	<5	0.56	159	56	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297665	2	<10	<5	0.68	108	43	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297666	2	<10	7	0.52	189	61	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297667	2	13	<5	0.6	60	15	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297668	2	<10	<5	0.69	114	20	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297669	3	<10	<5	1.64	207	35	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297670	3	<10	<5	0.69	119	8	568.0/0101675	Yumbarra	Area 1	EL 2685	24-Mar-01
G297670A	2	<10	<5	0.8	58	12	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297671	4	<10	<5	1.09	51	7	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297672	8	<10	<5	1.96	287	6	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297673	6	<10	<5	0.83	115	<1	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297674	5	<10	5	0.74	59	10	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297675	4	<10	8	0.52	29	9	568.0/0101675	Yumbarra	Area 1	EL 2685	25-Mar-01
G297676	4	<10	<5	0.78	37	10	568.0/0101675	Yumbarra	Area 2	EL 2685	25-Mar-01
G297677	5	<10	<5	1.09	109	12	568.0/0101675	Yumbarra	Area 2	EL 2685	25-Mar-01
G297678	4	<10	6	0.48	30	8	568.0/0101675	Yumbarra	Area 2	EL 2685	26-Mar-01
G297679	4	<10	<5	0.27	33	7	568.0/0101675	Yumbarra	Area 2	EL 2685	26-Mar-01
G297680	4	<10	<5	0.43	36	<1	568.0/0101675	Yumbarra	Area 2	EL 2685	26-Mar-01
G297681	2	<10	<5	0.29	17	<1	568.0/0101675	Yumbarra	Area 2	EL 2685	26-Mar-01
G297682	6	<10	5	1.12	101	<1	568.0/0101675	Yumbarra	Area 3	EL 2685	26-Mar-01
G297683	7	<10	<5	1.65	56	13	568.0/0101675	Yumbarra	Area 3	EL 2685	26-Mar-01
G297684	4	<10	6	1	36	9	568.0/0101675	Yumbarra	Area 3	EL 2685	26-Mar-01

Appendix 3

Drillhole Summary Sheets

Yumbarra EL 2685 Year 2 Exploration

DRILLHOLE SUMMARY SHEETS

Hole Number	AMG Northing	AMG Easting	Notes	Grid	Elevation	Dip	Hole Depth (m)	Hole Type	Sample Numbers		Genalysis Job No.	Sample Interval (m)	Project Name	Prospect Name	Date Drilled
									From	To					
01YBAC001	6500305	336525	NS 0-5m	AMG	1195	-90	17	AC	G302501	G302512	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC002	6500310	336595	NS 0-5m	AMG	1195	-90	30	AC	G302513	G302537	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC003	6500315	336695	NS 0-5m	AMG	1195	-90	9	AC	G302538	G302541	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC004	6500330	336805	NS 0-16m	AMG	1195	-90	25	AC	G302542	G302550	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC005	6500305	336910	NS 0-11m	AMG	1195	-90	12	AC	G302551	G302551	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC006	6500310	337005	NS 0-9m	AMG	1195	-90	10	AC	G302552	G302552	568.0/0105105	1	Yumbarra	Area 1	16-Aug-01
01YBAC007	6500305	337090	NS 0-7m	AMG	1195	-90	8	AC	G302553	G302553	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC008	6500300	337205	NS 0-3m	AMG	1195	-90	4	AC	G302554	G302554	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC009	6500285	337300	NS 0-6m	AMG	1195	-90	7	AC	G302555	G302555	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC010	6500505	337295	NS 0-3m	AMG	1195	-90	4	AC	G302556	G302556	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC011	6500510	337195	NS 0-6m	AMG	1195	-90	13	AC	G302557	G302563	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC012	6500510	337075	NS 0-1m	AMG	1195	-90	2	AC	G302564	G302564	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC013	6500505	336990	NS 0-5m	AMG	1195	-90	33	AC	G302565	G302592	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC014	6500510	336890	NS 0-6m	AMG	1195	-90	16	AC	G302593	G302602	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC015	6500485	336790	NS 0-3m	AMG	1195	-90	8	AC	G302603	G302607	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC016	6500510	336700	NS 0-5m	AMG	1195	-90	21	AC	G302608	G302623	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC017	6500500	336595	NS 0-6m	AMG	1195	-90	34	AC	G302624	G302651	568.0/0105105	1	Yumbarra	Area 1	17-Aug-01
01YBAC018	6500510	336500	NS 0-7m	AMG	1195	-90	11	AC	G302652	G302655	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC019	6500510	336410	NS 0-7m	AMG	1195	-90	20	AC	G302656	G302668	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC020	6500705	336450	Hole not sampled	AMG	1195	-90	2	AC	-	-	-	1	Yumbarra	Area 1	18-Aug-01
01YBAC021	6500715	336540	NS 0-4m	AMG	1195	-90	11	AC	G302669	G302675	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC022	6500595	336600	NS 0-5m	AMG	1195	-90	19	AC	G302676	G302689	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC023	6500595	336715	NS 0-4m	AMG	1195	-90	23	AC	G302690	G302708	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC024	6500615	336810	NS 0-8m	AMG	1195	-90	10	AC	G302709	G302709	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC025	6500625	336940	NS 0-9m	AMG	1195	-90	17	AC	G302712	G302718	568.0/0105105	1	Yumbarra	Area 1	18-Aug-01
01YBAC026	6500690	336995	NS 0-7m	AMG	1195	-90	13	AC	G302719	G302724	568.0/0105105	1	Yumbarra	Area 1	19-Aug-01
01YBAC027	6500700	337095	NS 0-7m	AMG	1195	-90	13	AC	G302725	G302730	568.0/0105105	1	Yumbarra	Area 1	19-Aug-01
01YBAC028	6500700	337210	NS 0-12m	AMG	1195	-90	21	AC	G302731	G302739	568.0/0105105	1	Yumbarra	Area 1	19-Aug-01
01YBAC029	6500705	337305	NS 0-17m	AMG	1195	-90	27	AC	G302740	G302749	568.0/0105105	1	Yumbarra	Area 1	19-Aug-01
01YBAC030	6500700	337420	NS 0-12m	AMG	1195	-90	22	AC	G302750	G302759	568.0/0105105	1	Yumbarra	Area 1	21-Aug-01
01YBAC031	6500705	337505	NS 0-11m	AMG	1195	-90	27	AC	G302760	G302774	568.0/0105105	1	Yumbarra	Area 1	21-Aug-01
01YBAC032	6500695	337600	NS 0-7m	AMG	1195	-90	26	AC	G302776	G302794	568.0/0105105	1	Yumbarra	Area 1	21-Aug-01
01YBAC033	6500700	337705	NS 0-14m	AMG	1195	-90	36	AC	G302795	G302816	568.0/0105105	1	Yumbarra	Area 1	21-Aug-01
01YBAC034	6500685	337820	NS 0-23m	AMG	1195	-90	46	AC	G302817	G302839	568.0/0105105	1	Yumbarra	Area 1	21-Aug-01
01YBAC035	6500685	337910	NS 0-32m	AMG	1195	-90	35	AC	G302840	G302842	568.0/0105105	1	Yumbarra	Area 1	22-Aug-01

Yumbarra EL 2685 Year 2 Exploration

DRILLHOLE SUMMARY SHEETS

Hole Number	AMG Northing	AMG Easting	Notes	Grid	Elevation	Dip	Hole Depth (m)	Hole Type	Sample Numbers		Genalysis Job No.	Sample Interval (m)	Project Name	Prospect Name	Date Drilled
									From	To					
01YBAC036	6500895	338105	NS 0-41m	AMG	1195	-90	55	AC	G302843	G302856	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC037	6500890	337990	NS 0-27m	AMG	1195	-90	32	AC	G302857	G302861	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC038	6500870	337895	NS 0-20m	AMG	1195	-90	26	AC	G302862	G302867	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC039	6500925	337800	NS 0-9m	AMG	1195	-90	14	AC	G302868	G302872	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC040	6500900	337695	NS 0-6m	AMG	1195	-90	15	AC	G302873	G302881	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC041	6501100	337700	NS 0-16m	AMG	1195	-90	34	AC	G302882	G302899	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC042	6501095	337805	NS 0-11m	AMG	1195	-90	23	AC	G302900	G302911	568.0/0105105	1	Yumbarra	Area 2	22-Aug-01
01YBAC043	6501105	337905	NS 0-11m	AMG	1195	-90	26	AC	G302912	G302926	568.0/0105105	1	Yumbarra	Area 2	23-Aug-01
01YBAC044	6501095	338005	NS 0-21m	AMG	1195	-90	45	AC	G302927	G302950	568.0/0105105	1	Yumbarra	Area 2	23-Aug-01
01YBAC045	6501315	337715	NS 0-25m	AMG	1195	-90	44	AC	G302951	G302969	568.0/0105105	1	Yumbarra	Area 2	23-Aug-01
01YBAC046	6501285	337805	NS 0-19m	AMG	1195	-90	45	AC	G302970	G302995	568.0/0105105	1	Yumbarra	Area 2	23-Aug-01
01YBAC047	6501275	337910	NS 0-16m	AMG	1195	-90	32	AC	G302996	G303011	568.0/0105105	1	Yumbarra	Area 2	23-Aug-01
01YBAC048	6502500	338390	Hole not sampled	AMG	1195	-90	10	AC	-	-	-	1	Yumbarra	Area 3	24-Aug-01
01YBAC049	6502475	338300	NS 0-13m	AMG	1195	-90	27	AC	G303012	G303025	568.0/0105105	1	Yumbarra	Area 3	24-Aug-01
01YBAC050	6502505	338195	Hole not sampled	AMG	1195	-90	9	AC	-	-	-	1	Yumbarra	Area 3	24-Aug-01
01YBAC051	6502480	338090	NS 0-17m	AMG	1195	-90	23	AC	G303026	G303031	568.0/0105105	1	Yumbarra	Area 3	24-Aug-01
01YBAC052	6502490	337995	NS 0-17m	AMG	1195	-90	24	AC	G303032	G303038	568.0/0105105	1	Yumbarra	Area 3	24-Aug-01
01YBAC053	6502295	336590	NS 0-30m	AMG	1195	-90	47	AC	G303039	G303055	568.0/0105105	1	Yumbarra	Area 4	24-Aug-01
01YBAC054	6502310	336500	NS 0-26m	AMG	1195	-90	31	AC	G303056	G303060	568.0/0105105	1	Yumbarra	Area 4	24-Aug-01
01YBAC055	6502330	336400	NS 0-25m	AMG	1195	-90	26	AC	G303061	G303061	568.0/0105105	1	Yumbarra	Area 4	24-Aug-01

Appendix 4

Drillhole Logs and Geological Code

Dominion Gold Operations

GEOLOGICAL CODES - DRILLHOLE LOGGING 2001

COVER SEQUENCE

TSND	-	Sand (undiff.)
TELV	-	Elluvium (undiff.)
TSL	-	Soil (undiff.)
DFER	-	Ferricrete
DSIL	-	Silcrete
DCAL	-	Calcrete Laminated
DCAN	-	Calcrete Nodular
DCAM	-	Calcrete Massive

IGNEOUS ROCKS

FELSIC and INTERMEDIATE

GRANITOIDS

G	-	Granitoid (undiff.)
GR	-	Granite
GD	-	Granidiorite
GT	-	Tonalite

DIORITOIDS

DT	-	Dioritoid (undiff.)

MAFIC and ULTRAMAFIC

MAFIC ROCKS

M	-	Mafic (undiff.)
MB	-	Basalt
MD	-	Dolerite
MA	-	Amphibolite (undiff.)
MG	-	Gabbroid (undiff.)

ULTRAMAFIC ROCKS

U	-	Ultramafic (undiff.)
UPX	-	Pyroxenite (undiff.)
UPD	-	Peridotite (undiff.)
ULP	-	Lamprophyre

METAMORPHIC ROCKS

GNEISSES -

GN	-	Gneiss (undiff.)
GNF	-	Felsic Gneiss
GNM	-	Mafic Gneiss
GNG	-	Granitic Gneiss
GNT	-	Tonalitic Gneiss
GNXX	-	xx = Diagnostic Mineral (ie GNgt = Garnet Gneiss)

SCHISTS

SH	-	Schist
SHM	-	Mafic Schist
SHXX	-	xx = Diagnostic Mineral (ie SHch = Chlorite Schist)

Dominion Gold Operations

GEOLOGICAL CODES - DRILLHOLE LOGGING 2001

OTHER

SQZ	-	Quartzite	
MYL	-	Mylonite	

VEINING

VQZ	-	Quartz	
VCB	-	Carbonate	
VQF	-	Quartz & Feldspar	

GRAIN SIZES

VF	-	Very Fine	(<0.25mm)
FG	-	Fine	(0.25-1mm)
FM	-	Fine - Medium	
MG	-	Medium	(1-5mm)
MC	-	Medium Coarse	
CG	-	Coarse Grained	(>5mm)

MINERALS

am	-	amphibole (undiff.)
as	-	arsenopyrite
bt	-	biotite
cq	-	chalcedony
ch	-	chlorite
cy	-	clay (undiff.)
fs	-	feldspar
gt	-	garnet
au	-	gold
gr	-	graphite
gy	-	gypsum
he	-	hematite
fe	-	iron oxide
ka	-	kaolin
kf	-	k-feldspar
lm	-	limonite
ma	-	marcasite
mv	-	muscovite-sericite
ph	-	phlogopite
py	-	pyrite
px	-	pyroxene (undiff.)
po	-	pyrrhotite
qz	-	quartz
su	-	sulphide
ta	-	talc
tm	-	tremolite

Dominion Gold Operations

GEOLOGICAL CODES - DRILLHOLE LOGGING 2001

SAMPLE QUALITY AND CONDITION

G	-	good
O	-	oversized
U	-	undersized
C	-	contaminated
D	-	dry
M	-	moist
W	-	wet
S	-	strong water flow

COLOURS

gy	-	grey
bk	-	black
br	-	brown
gr	-	green
kh	-	khaki
tn	-	tan
pu	-	purple
rd	-	red
or	-	orange
ye	-	yellow
wh	-	white
cr	-	cream
pk	-	pink

HUES

d	-	dark
m	-	medium
l	-	light

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 001 PROJECT YUMBARRA PROSPECT YUMBARRA AREA1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500305 Easting (approx) 336525 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 17m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS

SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302501 Interval 1m

Finish G302502

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 001 - 005 (3m Comp).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~25~~ YBAC 001 Northing 6500305 Mn Easting 336525 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	BR	CW	TELV			FM												AEOLIAN SANDS	C.	1	G	D
1	2																			↓		↓	↓	↓
2	3																							↓
3	4																							M
4	5																					↓	↓	m
5	6	L	BR	HW	MG?															PALE MOTTLED CLAYS	G302501	2	G	D
6	7																			↓		↓	↓	↓
7	8																							
8	9																							
9	10																					↓	↓	↓
10	11																					2	G	D
11	12																			↓		2		
12	13	M	RD BR	MW	MG?															MOTTLED CLAYS + Fe		3		
13	14	M	RD BR	SW	MG?															He stained.		↓	↓	↓
14	15																			↓				
15	16																					3	G	D
16	17	D	GR	FL	MG?		MG													fs + am + minor mt.	G302512	4	G	D
~~17~~	~~18~~																							
18	19																			EOH 17m				
19	20																							
20	21																			BLADE REFUSAL				
21	22																							
22	23																		EOH	MAG SUS ~200 $\times 10^{-5}$ SI				
23	24																							
24	25																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 002 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500310 Easting (approx) 336595 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 30m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302513 Interval 1m

Finish G302537

COMMENTS OR RESAMPLE INTERVALS

GEOLYSIS COMPS 006 - 014 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC002 Northing 6500310 Mn Easting 336595 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	BR	CW	TELV			Fm												AEOLIAN SAND		1	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			↓ + MINOR		↓	↓	↓
4	5																			↓ CLAYS		↓	↓	M
5	6	L	IN BR	HW	MG?															MOTTLED CLAYS.	G302513	2	G	D
6	7																			↓		↓	↓	↓
7	8																			↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10																			↓		↓	↓	↓
10	11	M	RD BR	HW	MG?															HE STAINED		2	G	D
11	12																			MOTTLED CLAYS		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14																			↓		↓	↓	↓
14	15																			↓ + fe		3	↓	↓
15	16																			HE STAINED		2	G	D
16	17																			MOTTLED CLAYS		↓	↓	↓
17	18																			↓		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20	M	RD BR	MW	MG?															↓		↓	↓	↓
20	21																			↓		2	G	D
21	22																			HE STAINED MW		3	↓	↓
22	23																			GABBRO ??		↓	↓	↓
23	24																			↓		↓	↓	↓
24	25	M	GR CR	SW	MG?			MG												fs + am + px? + ka		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 002 Northing 6560310 mN Easting 336595 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	M	GR	SW	MG?			MC												Ft+ amp px? + Chlty		3	G	D
26	27																					↓	↓	↓
27	28																							
28	29																							
29	30	M	GR	FL	MG?			CG												MC-G GABBRO	G302537	4	↓	↓
~~30~~	~~31~~																							
31	32																			EOH 30m				
32	33																							
33	34																			BLADE REFUSAL				
34	35																							
35	36																	EOH		MAG SUS 315 x 10^{-5} SI				
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC003 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500315 Easting (approx) 336695 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 9m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302538 Interval 1m

Finish G302541

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 015 & 016 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC003 Northing 6500315 Mn Easting 336695 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	BR	CW	TELV			FG												AEOLIAN SAND		1	G	D
1	2																			↓		↓	↓	↓
2	3	M	OR BR	CW	TELV															↓		↓	↓	↓
3	4																			↓		↓	↓	↓
4	5																			↓		↓	↓	↓
5	6	M	OR BR	CW	TELV															} + Clay	G302538	1	G	M
6	7																			↓		1	↓	D
7	8	M	RD BR	CW	SST			MC												SILICIFIED SANDS		3	↓	↓
8	9																			↓	G302541	4	↓	↓
~~9~~	~~10~~																							
10	11																			EOH 9m				
11	12																							
12	13																			NO BASEMENT SAMPLE				
13	14																							
14	15																			BLADE REFUSAL				
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 004 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500330 Easting (approx) 336805 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 25m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302541 Interval 1m

Finish G302550

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 017 - 020 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC004 Northing 6500330 Mn Easting 336805 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Type	%	Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	i		CW	TELV			FC												AEOLIAN SAND (+DCAL)		1	G	D
1	2																							
2	3																							
3	4																			+ DCAL				
4	5																							M
5	6	VAR. COLOURED																		+ Clay		1	G	M
6	7																							M
7	8							MC																D
8	9							MG																
9	10							FM																
10	11							[illegible]														1	G	D
11	12			CW	TSND			MC												SILICIFIED		3		
12	13																							
13	14																							
14	15																							
15	16																					2	G	D
16	17	M	BR	HW	MG?															MOTTLED CLAYS (+ fe)	C302542			
17	18	L	BR	HW	MG?															MOTTLED CLAYS				
18	19																							
19	20																							
20	21	L	TN BR	HW	MG?															(+ Lm)		2	G	D
21	22	M	BR	MW	MG?															HF STAINED CLAYS				
22	23																							
23	24																					3		
24	25	M	BR	SW	MG?			MC												Clays (ex fs) + relic am	C302550	3		

EOH 25m
BLADE REFUSAL

EOH MAG SUS 75×10^{-5} SI

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 005 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500305 Easting (approx) 336910 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 12m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302551 Interval 1m

~~Finish G~~

COMMENTS OR RESAMPLE INTERVALS

EOH SAMPLE ONLY GENALYSIS COMP 021.

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC005 Northing 6500305 Mn Easting 336910 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TGLV			FG												AEOLIAN SAND		1	G	D
1	2																			+ DCAL				
2	3																							
3	4																							
4	5																							
5	6	M	RD BR	CW	SST			MG												SILICIFIED SANDS		3	G	D
6	7																							
7	8	D	GR	CW	SST			MC																
8	9																							
9	10																							
10	11																					4		
11	12																				G302551	4		
12	13																			EOH 12m				
13	14																							
14	15																			NO BASEMENT SAMPLE				
15	16																							
16	17																			BLADE REFUSAL				
17	18																							
18	19																							
19	20																							
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DRILL HOLE HEADER

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HOLE ID YBAC 006 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 16/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500310 Easting (approx) 337005 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 10m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302 552 Interval 1m

~~Finish~~ G

COMMENTS OR RESAMPLE INTERVALS

GOH SAMPLE ONLY GENALYSIS COMP 022

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 006 Northing 6500310 Mn Easting 337005 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TCW															AEOLIAN SAND + DCAL		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			↓		3	↓	↓
4	5	m	OR BR	CW	TCW															AEOLIAN SAND + CLAY		3	↓	↓
5	6																			↓		3	G	D
6	7	m	CR	CW	SST															SILICIFIED SANDS		↓	↓	↓
7	8																			↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10																			↓	G302552	4	↓	↓
10	11																			EOH 10m				
11	12																							
12	13																			NO BASEMENT				
13	14																			SAMPLE.				
14	15																							
15	16																			BLADE REFUSAL				
16	17																							
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
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23	24																							
24	25																							

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HOLE ID YBAC 007 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500305 Easting (approx) 337090 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 8m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302553 Interval 1m

~~Finish~~ G

COMMENTS OR RESAMPLE INTERVALS

EOH SAMPLE ONLY ALS ANALYSIS COMP 023

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC007 Northing 6500305 Mn Easting 337090 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TCLV			FG												ÆOLIAN SAND + DCAL		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	OR CR	CW	TCLV			FG												ÆOLIAN SAND & CLAY		↓	↓	M
4	5																			↓		↓	↓	M
5	6																			↓		↓	G	D
6	7	L	CR	CW	SST			MG												SILICIFIED SAND		3	↓	↓
7	8																			↓	G302553	4	↓	↓
8	9	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 8m	~	~	~	~
9	10																							
10	11																			ND: BASEMENT SAMPLE.				
11	12																							
12	13																							
13	14																			BLADE REFUSAL				
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
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HOLE ID YBAC 008 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500300 Easting (approx) 337205 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 4m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302554 Interval 1m

Finish G

COMMENTS OR RESAMPLE INTERVALS

EOH SAMPLE ONLY GENALYSIS COMP 024

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ 4BAC 006 Northing 6500300 Mn Easting 337205 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR LT	CW	TELV	SAW	60	Fm												AEOLIAN SANDS & DCAL		2	G	D
1	2																			↓		3		
2	3	m	RD BR	CW	SST															SILICIFIED SANDS		3		
3	4	L	CR	CW	SST															↓	G302554	4		
4	5																			EOH 4m				
5	6																							
6	7																			NO BASEMENT				
7	8																			SAMPLE.				
8	9																							
9	10																			BLADE REFUSAL				
10	11																							
11	12																							
12	13																							
13	14																							
14	15																							
15	16																							
16	17																							
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HOLE ID YBAC 009 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500285 Easting (approx) 337300 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 7m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302 555 Interval 1m

~~Finish~~ G

COMMENTS OR RESAMPLE INTERVALS

FOR SAMPLE ONLY GENALYSIS COMP 025.

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 009 Northing 6500285 Mn Easting 337300 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR CL	CW	TELV	DCAC	30	FG												DCAC + AEOLIAN SAND		2	G	D
1	2																			↓		↓	↓	↓
2	3	M	OR CL																	↓ + CLAY		↓	↓	↓
3	4	M	OR CL	CW	SST															SILICIFIED SANDS		3	↓	M
4	5																			↓		3	↓	D
5	6																			↓		3	G	D
6	7																			↓	C302555	4	G	D
7	8																			EOH 7m				
8	9																							
9	10																			NO BASEMENT				
10	11																			SAMPLE				
11	12																							
12	13																			BLADE REFUSAL				
13	14																							
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
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DRILL HOLE HEADER

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HOLE ID YBAC 010 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500505 Easting (approx) 337295 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 4m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302556 Interval 1m

~~Finish~~ G

COMMENTS OR RESAMPLE INTERVALS

FOR SAMPLE ONLY RENALYSIS comp 086

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 010 Northing 6505105 Mn Easting 337295 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TFLV	DCAL	50	FG												AEOLIAN SAND & CALCRETE		1	G	D
1	2	L	OR BR	CW	TFLV															AEOLIAN SAND & CLAY		1	|	D
2	3																			↓		1	|	M
3	4	L	CR WH	CW	SST			MG												SILICIFIED SANDS	G302556	4	↓	D
~~4~~	5																							
5	6																			EOH 4m				
6	7																							
7	8																			NO BASEMENT				
8	9																			SAMPLE				
9	10																							
10	11																							
11	12																			BLADE REFUSAL				
12	13																							
13	14																							
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
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HOLE ID 4BAC 011 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500510 Easting (approx) 337195 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 13m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302557 Interval 1m

Finish G302563

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 027 - 029 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ 4BAC011 Northing 6500510 Mn Easting 337195 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	m	OR BR	CW	TELW			FG												AEOLIAN SAND (+ DCAL)		2	G	D
1	2																			} + MINOR CLAY		1		D
2	3																					1		M
3	4																					1		D
4	5	m	OR BR	CW	SST			FG												SILICIFIED SANDS.		3		D
5	6																					3	G	D
6	7																			(+ INDURATED CLAYS)	G302557	3		
7	8	L	RD BR	HW	MG?															INT IND MOTTLED CLAYS		2		
8	9																							
9	10	m	RD BR	MW	MG?															} INC HE STAINED				
10	11																					3	G	D
11	12	M	RD BR	SW	MG?			FM												relic fs + am		3		
12	13	M	GR	FR	MG?			FM												am + fs + px ? + mt	G302563	4		
13	14																			EOH 13m				
14	15																							
15	16																			BLADE REFUSAL				
16	17																							
17	18																			EOH MAG SUS				
18	19																			2110×10^{-5} SI				
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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HOLE ID YBAC 012 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant JW Date 17/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6800510 Easting (approx) 337075 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 2m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS

SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302564 Interval 1m

~~Finish~~ G~~~~

COMMENTS OR RESAMPLE INTERVALS

FOR SAMPLE ONLY GENALYSIS COMP 030

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC012 Northing 6500510 Mn Easting 337075 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	GR BR	CW	SST	FELV	10	FM												THIN AEOLIAN SANDS OVER SILICIFIED SANDS		3	G	D
1	2																			SILICIFIED SANDS	GJ302564	4	G	D
2	3																			EOH 2m				
3	4																							
4	5																			BLADE REFUSAL.				
5	6																							
6	7																			NO BASEMENT				
7	8																			SAMPLE				
8	9																							
9	10																							
10	11																							
11	12																							
12	13																							
13	14																							
14	15																							
15	16																							
16	17																							
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19	20																							
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HOLE ID YBAC 013 PROJECT YUMBARRA PROSPECT YUMBARRA AREA TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500505 Easting (approx) 336990 Grid Name AMG

Northing (survey) ____ Easting (survey) ____ RL ____

Collar Dip -90 Collar Azimuth *Magnetic* ____ Collar Azimuth *AMG* ____ Collar Azimuth *Local Grid* ____

Pre Collar Depth ____ Total Depth 33m Hole Size ____ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ____

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302565 Interval 1m

Finish G302592

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 031 - 040.

HOLE ID ____ Sheet ____ of ____

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC013 Northing 6500505 Mn Easting 336990 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TELW	DCAL	30	FG												AEOLIAN SAND + CALCRETE		2	G	D
1	2																			↓		2		D
2	3	M	OR BR	CW	TELW															CLAYEY SANDS		1		M
3	4																			↓		↓	↓	↓
4	5																			↓		↓	↓	↓
5	6	L	RD BR	HW	MG?															MOTTLED CLAY	G302565	2	G	D
6	7	M	RD BR	HW	MG?															HE STAINED CLAYS		↓	↓	↓
7	8																			↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10	L	BR	HW	MG?															MOTTLED CLAYS		↓	↓	↓
10	11																			↓		2	G	D
11	12																			↓		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14																			↓		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16																			↓		2	G	D
16	17																			↓		↓	↓	↓
17	18																			↓		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20																			↓		↓	↓	↓
20	21																			↓		2	G	D
21	22																			↓		↓	↓	↓
22	23	L	GR BR	MW	MG?															relic textures & qm.		↓	↓	↓
23	24																			↓		↓	↓	↓
24	25																			↓		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 013 Northing 6500505 mN Easting 336990 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	GR BR	MW	U?			Fm												relic fs+am + clays	C302585	2	G	D
26	27																							
27	28																							
28	29																							
29	30																							
30	31																					3	G	D
31	32	L	GR	SW	U?			Fm												fs+am+Cl		3		
32	33	M	GR	FR	U?			Fm												fs+am	C302592	4		
33	34																			EOH 33m				
34	35																							
35	36																			BLADE REFUSAL				
36	37																							
37	38																			EOH MAG SUS				
38	39																			~10x10⁻⁵ SI.				
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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HOLE ID YBAC 014 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500510 Easting (approx) 336890 Grid Name - AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 16m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302593 Interval 1m

Finish G302602

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 041 → 044

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC014 Northing 6500510 Mn Easting 336890 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	m	OR BR	RW	TELV			Fc												AEOLIAN SAND		1	G	D
1	2																			+ MINOR CALCRETE		2		
2	3																					1		
3	4																			+ INC CLAY				m
4	5																			DH.				m
5	6																					1	G	m
6	7	m	RD BR	MW	MG?															HE STAINED CLAYS	G302593	2		D
7	8																							
8	9																			STRONG				
9	10																			HE		3		
10	11																			STAINING.		2	G	D
11	12																			+ Fe.		3		
12	13																							
13	14	m	GR BR	SW	MG?			MG												mtic fg + MINOR am				
14	15																							
15	16																			(fg rich)	G302602	4	G	D
16	17																			EOH 16m				
17	18																							
18	19																			BLADE REFUSAL.				
19	20																							
20	21																			EOH MAG SUS				
21	22																							
22	23																			95×10^{-5} SI				
23	24																							
24	25																							

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HOLE ID YBAC 015 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500485 Easting (approx) 336790 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 8m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302603 Interval 1m

Finish G302607

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 045 - 047 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC015 Northing 6500485 Mn Easting 336790 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	CR	CW	TELW			FG												AEOLIAN SAND + CALCRETE		2	G	D
1	2																			↓		1	↓	M
2	3	M	OR BR	CW	TELW															↓ + CLAY		1	↓	M
3	4	L	RO BR	HW	MG?															WK INT MOTTLED CLAYS	G302603	2	↓	D
4	5																			↓ (+ lm)		2	↓	D
5	6	M	RO BR	MW	MG?															HE STAINED CLAYS + relic MINS.		3	G	D
6	7	M	RO BR	SW	MG?															↓ (relic am)		3	↓	↓
7	8	D	GR	FR	MG?			FM												am + mt + fs	G302607	4	↓	↓
~~8~~	~~9~~																			EOH 8m				
9	10																							
10	11																			BLADE REFUSAL				
11	12																							
12	13																			EOH MAG SUS				
13	14																			1700 x 10^{-5} SI				
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 016 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500510 Easting (approx) 336700 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 21m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start A302608 Interval 1m

Finish A302623

COMMENTS OR RESAMPLE INTERVALS

ALS ANALYSIS COMPS 048-053 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 016 Northing 6500510 Mn Easting 336700 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	m	OR BR	CW	TECU			Fn												AEOLIAN SAND } + CALCRETE		2	Cu	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	L	CR AR	CW	TSND?			Fn												CALCIFIED SANDS		3	↓	↓
4	5	m	RO AR	CW	TSND															IRON NODULES & INC CLAY		3	↓	m
5	6	m	RO BR	MW	Mh?															HE STAINED IND. CLAYS	C302608	3	Cu	D
6	7																			↓ + fe		2	↓	↓
7	8	L	TN BR	MW	Mh?															MOTTLED CLAYS (+ lm)		↓	↓	↓
8	9	m	BR	MW	Mh?															↓		↓	↓	↓
9	10																			↓ } + fe		3	↓	↓
10	11																			↓		3	Cu	D
11	12																			↓		3	↓	↓
12	13	m	TN AR	MW	Mh?															MOTTLED CLAYS (+ lm)		2	↓	↓
13	14																			↓ + fe		2	↓	↓
14	15																			↓ + fe		3	↓	↓
15	16	m	RO BR	MW	Mh?															HE STAINED CLAYS		3	Cu	D
16	17																			↓ } + relic		2	↓	↓
17	18																			↓ } fs.		2	↓	↓
18	19	L	BR MW	MW	MCa?			MCa												MILKY relic fs? LAYER		3	↓	↓
19	20	m	BR	SW	MCa?			MC												relic fs + am.		3	↓	↓
20	21	m	GR	Fr	Mh?			MC												am + minor fs.	C302623	4	Cu	D
21	22																			EOH 21m				
22	23																			BLADE REFUSAL				
23	24																							
24	25																			EOH MAG SUS				

1250 x 10^{-5} SI.

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DRILL HOLE HEADER

Sheet ____ of ____

HOLE ID 4BAC 017 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 17/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500500 Easting (approx) 336595 Grid Name AMG

Northing (survey) ____ Easting (survey) ____ RL ____

Collar Dip -90 Collar Azimuth *Magnetic* ____ Collar Azimuth *AMG* ____ Collar Azimuth *Local Grid* ____

Pre Collar Depth ____ Total Depth 34m Hole Size ____ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ____

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302624 Interval 1m

Finish G302651

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 054 → 063

HOLE ID ____ Sheet ____ of ____

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 017 Northing 6500500 Mn Easting 336595 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELW	DCAL	30	Fn												AEOLIAN SAND + CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	RD BR	CW	TELW															SANDY CLAYS		1	↓	↓
4	5																			↓		1	↓	m
5	6																			↓		1	G	m
6	7	m	RD BR	HW	MG?															FE STAINED CLAYS	G302624	1		D
7	8	L	BR	HW	MG?															WK IND MOTTLED CLAYS		2		↓
8	9																			↓		↓	↓	↓
9	10																			↓		↓	↓	↓
10	11	M	BR	HW	MG?															FE STAINED MOTTLED CLAYS		2	G	D
11	12																			↓ } + Fe		3	↓	↓
12	13																			↓		↓	↓	↓
13	14																			↓		↓	↓	↓
14	15	m	TN	MW	MG?															LM STAINED MOTTLED CLAYS		2	↓	↓
15	16																			↓ } + Fe		2	G	D
16	17																			↓		↓	↓	↓
17	18	m	TN BR	MW	V??															MOTTLED CLAYS (INC CHIP SIZE)		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20																			↓		↓	↓	↓
20	21																			↓		2	G	D
21	22				V??															↓		↓	↓	↓
22	23	M	BR	MW																↓		↓	↓	↓
23	24																			↓		↓	↓	↓
24	25																			↓		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ 98AC 017 Northing 6500500 mN Easting 336595 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	m	GR GRL	SW	MG?			MG												relic fsp am + Clay		3	G	D
26	27																			(large am)				
27	28																							
28	29																							
29	30																							
30	31																			(large amph)		3	G	D
31	32																							
32	33																							
33	34																				GA02651	4		
~~34~~	~~35~~																			EOH 34m				
35	36																							
36	37																			BLADE REFUSAL				
37	38																							
38	39																			EOH MAG SUS				
39	40																			~ 10 x 10^{-5} SI				
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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HOLE ID YBAC 018 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500510 Easting (approx) 336500 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 11m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302652 Interval 1m

Finish G302655

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 064 → 065 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 018 Northing 6500510 Mn Easting 336500 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR CR	CW	TELV			FL												AEOLIAN SAND		1	G	D
1	2																			↓ 2 + CALCRETE		2	↓	↓
2	3																					2		
3	4																					2		
4	5																			SANDY CLAYS		1	↓	↓
5	6																			↓		1	G	M
6	7																					1	↓	m
7	8	m	BR	MW	ML?			MC												relic fs + am + cy + he	G302652	3		D
8	9																			↓		↓	↓	↓
9	10	m	CR GR	SW	ML?			MC												↓ (fs rich)		↓	↓	↓
10	11	m	GR	FL	ML?			MC												fs + MINOR am ↓	G302655	4	G	D
11	12																			EOH 11m				
12	13																							
13	14																			BLADE REFUSAL				
14	15																							
15	16																			EOH MAG SUS				
16	17																			~400 x 10^{-5} SI				
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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HOLE ID YBAC 019 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500510 Easting (approx) 336410 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 20m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302656 Interval 1m

Finish G302668

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 066 - 070 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ 98AC019 Northing 6800510 Mn Easting 336410 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Type	%	Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	CR OR	CW	TELW															AEOLIAN SAND } + CALCRETE		2	a	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	OR BR	CW	TELW															SANDY CLAY		1		
4	5																			↓		1	↓	↓
5	6																			↓		1	a	D
6	7																			↓		↓	↓	↓
7	8	M	RO BR	MW	MG?															CLAYS (HE STAINED)	G302656	↓	↓	↓
8	9																			↓		↓	↓	↓
9	10	C	BR	MW	MG?															MOTTLED CLAYS } +lm		2	↓	↓
10	11	L	.																	... ↓		2	a	D
11	12																			↓		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14	M	BR	MW	MG?															MOTTLED CLAYS (INC HE)		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16																			↓		2	a	D
16	17																			↓		2	↓	↓
17	18	M	WH BR	SW	MG?			CG												relic ~~fs~~ (fs rich)		3	↓	↓
18	19																			↓ ↓		3	↓	↓
19	20	MD	GR	FR	MG?			CG												am + fs + mt	G302668	4	↓	↓
20	21																			EOH 20m				
21	22																							
22	23																			BLADE REFUSAL				
23	24																							
24	25																			EOH MAL SUS				

~ 700 x 10^{-5} SI

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 020 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500705 Easting (approx) 336450 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 2m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G Interval ___

Finish G

COMMENTS OR RESAMPLE INTERVALS

NO SAMPLES.

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 020 Northing 6500705 Mn Easting 336450 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TFLW	CALC	50	FG												AEOLIAN SAND & CALCRETE		2	G	D
1	2		CR	CW	CALC															PEDOGENIC CALCRETE		4	G	D
2	3																			EOH 2m				
3	4																							
4	5																			BLADE REFUSAL				
5	6																			(PEDOGENIC				
6	7																			CALCRETE)				
7	8																							
8	9																			NO BASEMENT				
9	10																			SAMPLES.				
10	11																							
11	12																			NO SAMPLES				
12	13																			TAKEN				
13	14																							
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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HOLE ID YBAC 021 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500715 Easting (approx) 336540 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 11m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302669 Interval 1m

Finish G302675

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 071 - 073

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC021 Northing 6500715 Mn Easting 336540 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TFLW															AEOLIAN SAND } + CALCRETE		2	G	D
1	2																					2		
2	3																					1		
3	4																			+ CLAY		1		m
4	5	m	RD BR	HW	MW?															WK IND MOTTLED CLAYS	C302669	2		D
5	6																					2	G	D
6	7																							
7	8																							
8	9	L	WH BR	MW	MW?			MC												fs layers		3		
9	10	L	WH BR	SW	MW?			MC														3		
10	11	D	GR	FR	MW?			MG												am + fs + mt	C302675	4	G	D
11	12																			EOH 11m				
12	13																							
13	14																			BLADE REFUSAL				
14	15																							
15	16																			EOH MAG SUS				
16	17																			760×10^{-5} SI				
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

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HOLE ID YBAC 022 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant JW Date 18/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500595 Easting (approx) 336600 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 19 m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302676 Interval 1m

Finish G302689

COMMENTS OR RESAMPLE INTERVALS

ULTRA ANALYSIS COMPS 074 - 079 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~X~~ YBAC022 **Northing** 6500595 Mn **Easting** 336600 mE **Sheet** 1 **of** 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	m	OR BR	CW	TCW															AEOLIAN SAND + minor CALCRETE		2	G	D
1	2																			↓		2		
2	3																			SANDY CLAYS		1		
3	4																			↓				
4	5																							
5	6	D	RD BR	HW	MG?															Fe rich MOTTLED CLAYS	C302676	3	G	D
6	7																			↓				
7	8																			Festone throughout				
8	9																							
9	10																			↓				
10	11																			+ 1m		3	G	D
11	12																					3		
12	13																			↓		2		
13	14	m	BR	MW	MG?															MOTTLED CLAYS ↓				
14	15																							
15	16																					2	G	D
16	17																			↓		3		
17	18	m	WH BR	SW	MG?															relic fs + he		3		
18	19	m	WH RD	FR	MG?															fs rich layer.	C302689	4		
19	20																			EOH 19m				
20	21																			BLADE REFUSAL				
21	22																							
22	23																			EOH MAG SUS				
23	24																			~0 x 10^{-5} SI				
24	25																							

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DRILL HOLE HEADER

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HOLE ID YBAC 023 PROJECT YUMBARRA PROSPECT YUMBARRA AREA1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500595 Easting (approx) 336715 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 23m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS

SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302690 Interval 1m

Finish G302708

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 080 - 086. (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 023 Northing 6500595 Mn Easting 336715 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	GR BR	CW	TELV	QLAZ	30	Fg												AEOLIAN SAND (+ CALCRETE)		2	G	D
1	2	M	OR BR	CW	TELV			FG												↓		1	↓	↓
2	3		"																	SANDY CLAYS		1		
3	4																			↓		1		M
4	5	M	TN BR	HW	MG?															WK IND MOTTLED CLAYS	G302690	2		D
5	6																			↓		2	G	D
6	7																			↓		↓	↓	↓
7	8	D	RO BR	HW	MG?															FE RICH MOTTLED CLAYS		↓		
8	9																			↓		3		
9	10																			↓		3	↓	↓
10	11																			↓ Fe stone throughout		3	G	D
11	12																			↓		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14																			↓		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16	M	BR	MW	MG?															MOTTLED CLAYS + relic FG		2	G	D
16	17																			↓		↓	↓	↓
17	18																			↓		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20	M	BR	SW	MG?			MG												↓ (relic texture)		↓	↓	↓
20	21																			↓		3	G	D
21	22																			↓		3	↓	↓
22	23	D	GR	FG	MG?			MG												qm + fs	G302708	4	↓	↓
23	24	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 23m	~	~	~	~
24	25																			BLADE REFUSAL				

EOH MAG SUS
140 x 10^{-5} SI.

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 024 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500615 Easting (approx) 336810 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 10m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302709 Interval 1m

Finish G302710

COMMENTS OR RESAMPLE INTERVALS

GEOANALYSIS COMPS 087 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 024 Northing 6500615 Mn Easting 336810 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR OR	CW	TEW	DCAL	30	FA												AEOLIAN SAND + CALCRETE		2	C	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			SANDY CLAYS		1		M
4	5																			↓		1	↓	M
5	6																			↓		1	C	M
6	7																			↓		↓	↓	M
7	8																			↓ + MINOR IND CLAYS		↓	↓	D
8	9	D	BR	HW	MU?															Fe rich clays	C302709	2		↓
9	10																			↓ + Fe stone	C302710	3-4	↓	↓
~~10~~	11																			EOH 10m				
11	12																			BLADE REFUSAL (IN FE STONE).				
12	13																			NO FRESH BASEMENT				
13	14																			SAMPLE				
14	15																							
15	16																							
16	17																							
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 025 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 18/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500625 Easting (approx) 336940 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 17m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302711 Interval 1m

Finish G302718

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 088 - 090 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ 4BAC025 Northing 6500625 Mn Easting 336940 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	m	OR BR	CW	TELW													AEOLIAN SAND (+ CALC)		2	G	D
1	2																	↓		1		↓
2	3																	CLAYEY SANS				↓
3	4																	↓				m
4	5																	↓				↓
5	6																	SANDY CLAYS		1	G	M
6	7																	↓		↓	↓	↓
7	8																					
8	9																			↓	↓	↓
9	10	m	RO BR	MW	MG?													Fe STAINED CLAYS	G302711	2	↓	D
10	11																	↓ Z+Fe		3	G	D
11	12																	↓		↓	↓	↓
12	13																	↓				
13	14	m	BR	MW	MG?			MG										Fe STAINED CLAY + relic FS		2		
14	15	M	BR	SW	MG?			MG										↓		2	↓	↓
15	16																	↓		3	G	D
16	17	m	WH GR	FR	MG?			MG										am + fsint + FS minor tempering	G302718	4	G	D
~~17~~	~~18~~																	EOH 17 m				
18	19																					
19	20																	BLADE REFUSAL				
20	21																					
21	22																	EOH MAG SUS				
22	23																	1800 x 10^{-5} SI				
23	24																					
24	25																					

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 026 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant JW Date 19/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6800690 Easting (approx) 336995 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 13m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302719 Interval 1m

Finish G302724

COMMENTS OR RESAMPLE INTERVALS

CGNALYSIS combs 091 - 093 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC026 Northing 6500690 Mn Easting 336995 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	OR BR	CW	TELV	DCAL	3D													AEOLIAN SAND + CALCRETE		2	G	D
1	2																			↓		2	↓	↓
2	3	M	OR BR	CW	TELV															CLAYEY SANDS		1		↓
3	4																			SANDY CLAYS		↓		m
4	5																			↓		↓	↓	m
5	6																			↓		1	G	m
6	7																			↓		1	↓	m
7	8	m	RD BR	HW	MG?															HE STAINED CLAYS	G302719	2		D
8	9																			↓		↓	↓	↓
9	10	M	RD BR	MW	MG?															HE STAINED, relic fs+am		↓	↓	↓
10	11																			↓		3	G	D
11	12	M	GR BR	SW	MG?			MG														3	↓	↓
12	13	M	GR BR	FR	MG?			MG												fs + am + he	G302724	4	↓	↓
13	14																			EOH 13m				
14	15																							
15	16																			BLADE REFUSAL				
16	17																							
17	18																			EOH MAG SUS				
18	19																			~300 x 10^{-5} SI				
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

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HOLE ID YBAC 027 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 19/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500700 Easting (approx) 337095 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 13m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302725 Interval 1m

Finish G302730

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 094-096 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YG~~ YBAC027 Northing 6500700 Mn Easting 337095 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Type	%	Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	OR CR	CW	TELV	QAL	30	FG												AEOLIAN SAND + CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	OR BR	CW	TELV															CLAYEY SANDS		1	↓	m
4	5																			SANDY CLAYS		1	↓	m
5	6																			↓		1	G	m
6	7																			↓		1	↓	M
7	8	m	RO BR	HW	Mh?															HE STAINED CLAYS	G302725	2	↓	D
8	9																			↓		↓	↓	↓
9	10																			↓		↓	↓	↓
10	11	m	BR	MW	Mh?															Clays + rehr text & mins		3	G	D
11	12	M																		& mins		3	↓	↓
12	13	m	GR BR	SW	Mh?			MG												He stained fs+am+clay	G302730	4	↓	↓
13	14																			EOH 13m				
14	15																							
15	16																			BLADE REFUSAL				
16	17																							
17	18																			EOH MAG SUS				
18	19																			90 x 10^{-5} SI				
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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HOLE ID YBAC 028 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 19/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500700 Easting (approx) 337210 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 21m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302731 Interval 1m

Finish G302739

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 097 - 100. (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC028 Northing 6500700 Mn Easting 337210 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	M	OL BR	CW	TELV	DCAL	10	Fg												AEOLIAN SANDS + MINOR CALCRETE		2	Cg	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			↓		↓	↓	↓
4	5	M	OL BR	CW	TELV															SANDY CLAYS		1	↓	M
5	6																			↓		1	C	M
6	7																			↓		↓	↓	↓
7	8	M	RO BR	CW	TELV															↓		↓	↓	↓
8	9	M	RO BR	CW	SST			MG												SILICIFIED HE STAINED		3		D
9	10																			SANDS		3	↓	D
10	11																			↓		3	C	D
11	12																			↓		3	↓	↓
12	13	L	BR	HW	MG?															WK IND MOTTLED CLAYS	GB02731	2	↓	↓
13	14																			↓		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16																			↓		2	C	D
16	17	M	BR	HW	MG?															MOTTLED CLAYS (+ Fe)		↓	↓	↓
17	18	M	TN BR	HW	MG?															↓ (+ lm)		↓	↓	↓
18	19	M	RD BR	MW	MG?															CLAYS WITH relic fs		↓	↓	↓
19	20																			↓		3	↓	↓
20	21	M	BR	SW	MG?															relic fs + MINOR ca + he	GB02739	4	C	D
21	22																			EOH 21m				
22	23																							
23	24																			EOH MAG SUS				
24	25																			525 x 10^{-5} SI				

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DRILL HOLE HEADER

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HOLE ID YBAC 029 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 19/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500705 Easting (approx) 337305 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 27m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302740 Interval 1m

Finish G302749

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 101 - 104 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID 98 YBAC029 Northing 6500705 Mn Easting 337305 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DKAL	20	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																							
2	3																							
3	4																							
4	5	M	OR BR	CW	TELV			FG												CLAYEY SANDS		1		
5	6																					1	G	M
6	7																							
7	8																							
8	9																							D
9	10	VAR COLOURED		CW	SST			FM												VARIABLY SILICIFIED SAND		3		D
10	11																					3	G	D
11	12																							
12	13																							
13	14			CW	TSND			FM												UNCONSOL. SANDS		2		
14	15																					2		
15	16																					3	G	D
16	17																					3		
17	18	L	TN BR	MW	MG?															Wk Im STAINED CLAYS	G302740	2		
18	19																							
19	20																							
20	21	..			?																	2	G	D
21	22	M	TN BR	MW	MG?															Im stained clays				
22	23																			↓				
23	24	M	RD BR	SW	MG?															He stained relic fstam				
24	25																			↓		3		

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 029 Northing 6500705 mN Easting 337305 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
26	26	M	RD BR	SW	MG?			MC												relic fs+an, le stained		3	a	D
26	27	M	GR BR	FL	MG?			MC												fs+an, le stained.	6302749	4	a	D
27	28																			EOH 27m				
28	29																			BLADE REFUSAL				
29	30																							
30	31																			EOH MAG SUS				
31	32																			570 x 10^{-5} SI.				
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

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HOLE ID YBAC 030 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 21/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500700 Easting (approx) 337420 Grid Name AMG

Northing (survey) ____ Easting (survey) ____ RL ____

Collar Dip -90 Collar Azimuth *Magnetic* ____ Collar Azimuth *AMG* ____ Collar Azimuth *Local Grid* ____

Pre Collar Depth ____ Total Depth 22m Hole Size ____ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ____

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start GB02750 Interval 1m

Finish GB02759

COMMENTS OR RESAMPLE INTERVALS

GEOANALYSIS COMPS 105 - 108 (3m)

HOLE ID ____ Sheet ____ of ____

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC030 Northing 6500700 Mn Easting 337420 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Veining / Sulphides Type	Vein Int	Vein Type	%	Vein Type	%	Vein Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	CR BR	CW	TELW	DLAC	20	FL												AEOLIAN SAND + MINOR CALCRETE		2	C	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	CR BR	CW	TELW			FG												SANDY CLAYS		1	↓	M
4	5																			↓		1	↓	M
5	6																			↓		1	C	M
6	7	L	TN	CW	SST			FL												SILICIFIED SANDS		3	C	D
7	8																			↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10																			↓		↓	↓	↓
10	11																			↓		3	C	D
11	12																			↓		↓	↓	↓
12	13	M	TN	HW	MG?															(Fe SST +) WK IND CLAYS.	C302750	↓	↓	↓
13	14																			WK IND CLAYS		2	↓	↓
14	15	M	RD BR	HW	MG															Fe stained clays		2	↓	↓
15	16																			↓		2	C	D
16	17	M	RD BR	MW	MG?															Fe stained clays		↓	↓	↓
17	18																			+ relic fs + am		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20																			↓		3	↓	↓
20	21	L	BR	SW	MG?			MG												fs layer + clay		3	C	D
21	22	D	GR	FL	MG?			FL												am + minor fs + mtl	G302759	4	↓	↓
22	23																			EOH 22m				
23	24																			BLADE REFUSAL				
24	25																							

EOH MAG SUS
620 x 10^{-5} SI.

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DRILL HOLE HEADER

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HOLE ID YBAC 031 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 21/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500705 Easting (approx) 337505 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 27m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS

SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302760 Interval 1m

Finish G302775

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 109 - 114 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YAAC 031 Northing 6500705 Mn Easting 337505 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	LR	CW	TELV	DLAC	40	FG												AEOLIAN SAND +		2	G	D
1	2	L	OR BR	CW	TELV	DLAC	20	FG												CALCRETE				
2	3																			↓				
3	4																							
4	5	L	OR BR	CW	TELV															SANDY CLAYS		1		m
5	6																			↓		1	G	m
6	7																					1		m
7	8																			↓		1		m
8	9	M	TN	CW	SST			MG												SILICIFIED SAND		3		D
9	10																			SANDS		2		D
10	11																			↓		2	G	D
11	12	L	BR	HW	MG?															MOTTLED CLAY	G302760	2		
12	13																			(LOW IND)				
13	14																			↓				
14	15	M	RD BR	HW	MG?															Fe rich Clays? + fe stone		3		
15	16																					3	G	D
16	17	M	BR	MW	MG?															MOTTLED CLAYS + new mins + text		2		
17	18																			↓		1		
18	19																							
19	20																							
20	21																					2	G	D
21	22																			↓		3		
22	23	D	GR BR	SW	MG?			MC												am + he + mt + fs + cy				
23	24																			↓				
24	25																							

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 031 Northing 6500705 mN Easting 337505 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	D	GR	SW	MG?			MG												am+mt+fs+cy+he		3	G	D
26	27	O	GR	FL	MG?			MC												↓	G302775	4	G	D
~~27~~	28	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 27m	~	~	~	~
28	29																							
29	30																			BLADE REFUSAL				
30	31																							
31	32																			EOH MAG SUS				
32	33																			300 x 10^{-5} SI				
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 032 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 21/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500695 Easting (approx) 337600 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 26m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302776 Interval 1m

Finish G302794

COMMENTS OR RESAMPLE INTERVALS

ANALYSIS COMPS 115-122

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 032 Northing 6500695 Mn Easting 337600 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	GR	CW	TELV	DCAL	20	FG												AEOLIAN SAND + CALCRETE		2	G	D
1	2	L	OR BR	CW	TELV																			
2	3																							
3	4	M	OR BR	CW	TELV															INC. + CLAY				
4	5																			SANDY CLAY		1		M
5	6	M	TN	CW	TSND			MG												SANDS		1	G	D
6	7																					1		
7	8	L	RD BR	HW	MG?															MOTTLED CLAYS	G302776	2		
8	9																							
9	10	M	RD BR	HW	MG?																			
10	11																			INC HE		2	G	D
11	12																							
12	13	M	TN	HW	MG?															IM STAINED CLAYS				
13	14																							
14	15																							
15	16																					2	G	D
16	17	L	TN	MW	U?															CLAYS (INC CHIP SIZE				
17	18																			& PLASTICINE?)				
18	19	M	BR	MW	U?																			
19	20																							
20	21																			+ FE STONE		3	G	D
21	22																					2		
22	23																					2		
23	24	M	BR GR	SW	U?																	3		
24	25	M	GR	SW	U?															FS + QM + MT (MINOR)		3		

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 032 Northing 6500695 mN Easting 337600 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	D	Gr	Fr	U?															am + minor MT + fs	C302794	4	G	D
~~26~~	~~27~~																			EOH 26m				
27	28																							
28	29																			BLADE REFUSAL				
29	30																							
30	31																			EOH MAG SUS				
31	32																			2050 x 10^{-5} SI				
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 033 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 21/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500700 Easting (approx) 337705 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 36m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302795 Interval 1m

Finish G302816

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 123 - 130 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 033 Northing 6500700 Mn Easting 337705 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELW	DCAL	10	FG												AEOLIAN SAND & CALCRETE		2	G	D
1	2	L	OR BR	CW	TELW															↓		↓	↓	↓
2	3																					↓		
3	4																			+ CALCRETE		↓		
4	5	M	OR BR	CW	TELW															SANDY CLAY		1	↓	m
5	6																			↓		1	G	m
6	7	L	CR	CW	SST			MG												SILICIFIED SANDS		3		D
7	8																			↓		3		
8	9	L	TN	CW	TSND			MG												SANDS		2		
9	10																			↓		1	↓	↓
10	11																					1	G	D
11	12																					↓	↓	↓
12	13																					↓	↓	↓
13	14	M	BR	CW	TSND			MG														↓	↓	↓
14	15	M	RD BR	HW	MG?															MOTTLED CLAYS	G302795	2	↓	↓
15	16																			↓		2	G	D
16	17																					↓	↓	↓
17	18	M	TN BR	HW	MG?															IM STAINED CLAYS		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20																					↓	↓	↓
20	21	L	BR	HW	MG?															MOTTLED CLAYS		2	G	D
21	22																			↓		↓	↓	↓
22	23																					↓	↓	↓
23	24	M	TN	HW	MG?															IM STAINED CLAYS		↓	↓	↓
24	25																			↓		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 033 Northing 6500700 mN Easting 337705 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	m	TN	HW	MG?															Im STAINED CLAYS		2	G	D
26	27																			↓		↓	↓	↓
27	28	M	KH BR	MW	MG?			ML												CLAYS WITH relic texture		↓	↓	↓
28	29																			↓		↓	↓	↓
29	30																					↓	↓	↓
30	31																			↓		2	G	D
31	32	M	GR KH	SW	MG?			ML												relic am + f + cy		3	↓	↓
32	33																			↓		↓	↓	↓
33	34																			↓		↓	↓	↓
34	35																			↓		↓	↓	↓
35	36	D	GR	FR	MG?			ML												am + f s + mt	GS02816	4	G	D
~~36~~	~~37~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	~~—~~	EOH 36m	~~—~~	~~—~~	~~—~~	~~—~~
37	38																			BLADE REFUSAL.				
38	39																			EOH MAG SUS				
39	40																			SUSM x 10^{-5} SI				
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 034 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 21/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500685 Easting (approx) 337820 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 46m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302817 Interval 1m

Finish G302839

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 131 – 139 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~X~~ YBAC034 Northing 6500685 Mn Easting 327820 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELV	DCAL	10	FG												AEOLIAN SAND & CALCRETE		2	G	D
1	2																			↓		2		
2	3	M	OR BR	CW	TELV			MG												AEOLIAN SAND		1		
3	4																			↓		↓	↓	↓
4	5																							
5	6																					1	G	D
6	7																			+ CLAY		↓	↓	D
7	8	M	OR BR	CW	TELV			FG												SANDY CLAY		↓		D
8	9	M	TN	CW	SST			MG												SILICIFIED SANDS		3		M
9	10																			↓		3	↓	D
10	11	M	TN	CW	TSND			MG												UNCONSOL. SANDS		1	G	D
11	12																			↓		↓	↓	↓
12	13																							
13	14																							
14	15																							
15	16	M	BR TN	CW	SST			MG												SILICIFIED SANDS		3	G	D
16	17																			↓		3		
17	18	M	TN	CW	TSND			MG												UNCONSOL. SANDS		1		
18	19																			↓		↓	↓	↓
19	20																							
20	21																					1	G	D
21	22																					↓	↓	↓
22	23																			↓				
23	24	L	CR BR	HW	MG?															MOTTLED CLAYS	G302817	2		
24	25																			↓		2	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YB~~ YBAC 034 Northing 6 500 685 mN Easting 337820 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	RD BR	HW	MG?															MOTTLED CLAYS		2	G	D
26	27																			↓		↓	↓	↓
27	28	D	RD BR	HW	MG?															STRONG HE STAINED		↓	↓	↓
28	29																			CLAYS		3	↓	↓
29	30																			Fe stone throughout		3	↓	↓
30	31																			↓		3	G	D
31	32																					↓	↓	↓
32	33																					↓	↓	↓
33	34																					↓	↓	↓
34	35																			↓		↓	↓	↓
35	38	D	RD BR	MW	MG?															STRONG HE STAINED		2	G	D
36	37																			CLAYS		↓	↓	↓
37	38																			↓		↓	↓	↓
38	39																					↓	↓	↓
39	40	M	TN BR	MW	MG?															relic textures in Clay		↓	↓	↓
40	41																			↓		2	G	D
41	42																					↓	↓	↓
42	43																					↓	↓	↓
43	44																					↓	↓	↓
44	45	M	TN	SW	DT?			MG												felsic		3	↓	↓
45	46	M	GY TN	FL	DT?			MG												felsic (ft, minor bt)	C302839	5	G	D
46	47																			EOH 46m				
47	48																			BLADE REFUSAL				
48	49																			EOH MAG SUS				
49	50																			~35 x 10^{-5} SI				

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 035 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 1 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500685 Easting (approx) 337910 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 35m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302840 Interval 1m

Finish G302842

COMMENTS OR RESAMPLE INTERVALS

CONALYSIS COMPS 140 (3m) -141

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC035 Northing 6500685 Mn Easting 337910 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELW	DCAL	30	Fn												AEOLIAN SAND ± CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			↓		↓	↓	↓
4	5	M	OR BR	CW	TELW			Fm												CLAYEY SANDS		↓	↓	↓
5	6																			↓		1	G	D
6	7																			↓		↓	↓	↓
7	8																			↓		↓	↓	↓
8	9																			↓ (LESS CLAY)		↓	↓	↓
9	10	M	TN	CW	SST			Fn												SILICIFIED SAND		3	↓	↓
10	11																			↓		3	G	D
11	12																			↓		3	↓	↓
12	13				TSNO			Fm												SANDS		2	↓	↓
13	14																			↓		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16	COVER																				2	G	D
16	17																					↓	↓	↓
17	18																					↓	↓	↓
18	19																					↓	↓	↓
19	20																					↓	↓	↓
20	21																					2	G	D
21	22																					↓	↓	↓
22	23																					↓	↓	↓
23	24																					↓	↓	↓
24	25																					↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 035 Northing 6500685 mN Easting 357910 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
25	26	M	OR	CW	TSND															AEOLIAN SANDS		2	G	D
26	27	VARICOLORED																		↓		↓	↓	↓
27	28																							
28	29																							
29	30																							
30	31																					2	G	D
31	32																			AEOLIAN SAND + MOTTLED CLAYS		2		
32	33	L	BR	HW	MG?															MOTTLED CLAYS	G302840	2		
33	34																			↓		2		
34	35	M	GY	FL	DT??			MG												felsic	G202842	5	↓	↓
35	36																			EOH 35m				
36	37																			BLADE REFUSAL				
37	38																			EOH MAG SUS				
38	39																			125 x 10^{-5} SI				
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 036 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500895 Easting (approx) 338105 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 55m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS

SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302843 Interval 1m

Finish G302856

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 142 - 147 (3m).

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID 98 YBAC036 Northing 6500895 Mn Easting 338105 mE Sheet 1 of 3

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	LR	CW	DCAN	TELV	30	FL												CALCRETE + AEOLIAN SAND		3	G	D
1	2	L	LR OR	CW	TELV			FG												AEOLIAN SAND		1	G	
2	3																							
3	4																							
4	5																							
5	6	M	OR BR	CW	TELV			FM														1	G	D
6	7																							
7	8																							
8	9																							
9	10	L	TN	CW	SST			FM												SILICIFIED SANDS		3		
10	11																					3	G	D
11	12	L	TN	CW	SAN			MG												SANDS		1		
12	13																							
13	14																							
14	15																							
15	16																					1	G	D
16	17																							
17	18																							
18	19																							
19	20																							
20	21																					1	G	D
21	22							ML																
22	23							MC																
23	24	M	OR BR	CW	SAN			FM												SANDS				
24	25																							

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 036 Northing 6 500895 mN Easting 338105 mE Sheet 2 of 3

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
25	26	M	OR BR	CW	TSND			Fm												SANDS		1	G	D
26	27																							
27	28																							
28	29																							
29	30																							
30	31																					1	G	D
31	32																							
32	33																							
33	34																							
34	35																							
35	36																					1	G	D
36	37	M	OR BR	CW	SST			Fm												SILICIFIED SANDS		3		
37	38																					3		
38	39	M	OR BR	CW	TSND			Fm														2		
39	40																					1		
40	41	D	LO BR	CW	TSND			Fm												VARIABLY Fe CEMENTED SANDS		2	G	D
41	42	L	PK GY	MW	DT?																G302843			
42	43																							
43	44																							
44	45																							
45	46																					2	G	D
46	47																			+ MINOR Fe				
47	48																							
48	49																							
49	50																							

V RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 036 Northing 6500895 mN Easting 338105 mE Sheet 3 of 3

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
50	51	L	G4	MW	DT?																	2	a	D
51	52																					2		
52	53	L	G4	SW	DT?			MC												fs+cy+mt+am		3		
53	54	L	G4	FL	DT?																	3		
54	55																			felsic	G302856	4		
~~55~~	~~56~~																			EOH SSm				
56	57																			BLADE REFUSAL				
57	58																							
58	59																			EOH MAC SUS				
59	60																			2450 x 10^{-5} SI.				
60	61																							
61	62																							
62	63																							
63	64																							
64	65																							
65	66																							
66	67																							
67	68																							
68	69																							
69	70																							
70	71																							
71	72																							
72	73																							
73	74																							
74	75																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 037 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500890 Easting (approx) 337990 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 32m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302857 Interval 1m

Finish G302861

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMP 148 – 150 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~RB~~ YBAC037 Northing 6500890 Mn Easting 337990 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELV	DCAL	10	fL												AEOLIAN SAND		1	G	D
1	2																			+ MINOR CALCRETE		2	↓	↓
2	3																					2	↓	↓
3	4																					2	↓	↓
4	5	L	OR BR	CW	TSND			Fm												SANDS		1	↓	↓
5	6																					1	G	D
6	7	M	OR BR	CW	TSND			Fm														↓	↓	↓
7	8																					↓	↓	↓
8	9	M	TN OR	CW	SST															SILICIFIED SANDS		3	↓	↓
9	10																					3	↓	↓
10	11																					3	G	D
11	12	M	TN	CW	TSND			Fm												SANDS		1	↓	↓
12	13																					↓	↓	↓
13	14																					↓	↓	↓
14	15							MC												+ C-G fraction		↓	↓	↓
15	16																					1	G	D
16	17																					1	↓	↓
17	18	M	TN	CW	SST			MC												SILICIFIED SST		3	↓	↓
18	19																					3	↓	↓
19	20	M	TN	CW	TSND			MG												SANDS		1	↓	↓
20	21	L	TN	CW	TSND			MG														1	G	D
21	22																					↓	↓	↓
22	23																					↓	↓	↓
23	24																					↓	↓	↓
24	25	L	TN OR	CW	TSND			MG												MINOR CONSOL.		2	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 037 Northing 6500890 mN Easting 337990 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	TN OR	CW	TSNO			MG												SANDS		1	G	D
26	27																			↓ MINOR CONSOL.		2		
27	28	L	TN BR	MW	MG?															Cy + he + lm	G302857			
28	29																							
29	30																			↓		↓	↓	↓
30	31	M	BR	SW	MG?			MG														2	G	D
31	32	M	GR	FR	MG?			MG												fs + am + mt	G302861	4	G	D
~~32~~	~~33~~																			EOH 32m				
33	34																			BLADE REFUSAL				
34	35																							
35	36																							
36	37																			EOH MAC SUS				
37	38																			3450 x 10^{-5} SI				
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 038 PROJECT YUMBARRA PROSPECT YUMBARRA AREA TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6500870 Easting (approx) 337895 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 26m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302862 Interval 1m

Finish G302867

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 151 - 153 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YBAC038~~ YBAC038 Northing 6500870 Mn Easting 337895 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELV	DCAL	20	FG												AEOLIAN SAND + CALCRETE		2	G	D
1	2	L	CR	CW	TELV															AEOLIAN SAND		1		
2	3																							
3	4																							
4	5	M	OR BR	CW	TSND			FM																
5	6																					1	G	D
6	7																			} + INC CLAY				
7	8																							
8	9																							
9	10																							
10	11	M	TN	CW	SST			FG												SILICIFIED SANDS		3	G	D
11	12																							
12	13																							
13	14	M	TN	CW	TSND			MG												SANDS		1		
14	15																					1		
15	16																					1	G	D
16	17																							
17	18																							
18	19							ML																
19	20	M	TN	CW	TSND			MG																
20	21	L	BR	CW	TSND	MG?		MG												SAND + CLAYS	G302862	2	G	D
21	22	L	BR	MW	MG?															Cy + he. + minor lm.				
22	23	M	RO BR	MW	MG?																			
23	24							MG												+ rehe + am.				
24	25																					3		

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 038 Northing 6 500870 mN Easting 337895 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	m	GR BR	SW	MG?			MG												Cy+fs+am	C302867	4	G	D
~~26~~	27																			EOH 26m				
27	28																							
28	29																			BLADE REFUSAL				
29	30																							
30	31																			EOH MAG SUS				
31	32																			250 x 10^{-5} SI.				
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 039 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500925 Easting (approx) 337800 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 14m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302868 Interval 1m

Finish G302872

COMMENTS OR RESAMPLE INTERVALS

ANALYSIS comps 154 - 156 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 039 Northing 6500925 Mn Easting 337800 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR	CW	TELV	OCAL	20	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓				
2	3																			↓				
3	4	L	OR BR	CW	TSND			FM												SAND		1		
4	5																			↓		1		
5	6																			↓		1	G	D
6	7	L	TN	CW	SST			FG												SILICIFIED SAND		3		
7	8																			↓		3		
8	9	M	TN	CW	TSND			FM												SAND		1		
9	10	L	TN	MW	MG?															Clay + lm	G302868	2	↓	↓
10	11																			↓		1	G	D
11	12	L	GR BR	MW	MG?			FM												Clay + lm + he		1		
12	13																			↓		3		
13	14	M	BR GR	SW	MG?			FM												+ rel. qm	G302872	4	↓	↓
14	15	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 14m	~	~	~	~
15	16																							
16	17																			BLADE REFUSAL				
17	18																							
18	19																			EOH MAG SUS				
19	20																			610 x 10^{-5} SI				
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

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HOLE ID YBAC 040 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6500900 Easting (approx) 337695 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 15m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302873 Interval 1m

Finish G302881

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMP 157-160 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC040 Northing 6500900 Mn Easting 337695 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TSLN	DCAL	10	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	L	OR BR	CW	TSND			Fm												AEOLIAN SAND		1	↓	↓
4	5																			↓		1	↓	↓
5	6																			↓ + CLAY		1	G	D
6	7	L	BR	MW	MG?															Clay + he + lm	G302873	2	↓	↓
7	8																			↓		↓	↓	↓
8	9																			+ fe		↓	↓	↓
9	10																			+ fe		↓	↓	↓
10	11																			↓		2	G	D
11	12																			↓		↓	↓	↓
12	13	L	BR	MW	MG?			Fm												Clay + he + relic am		↓	↓	↓
13	14																			↓		3	↓	↓
14	15	L	GR	SW	MG?			Fm												fs + am + mt (mod felsic)	G302881	4	↓	↓
15	16	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 15m	~	~	~	~
16	17																			BLADE REFUSAL				
17	18																			EOH MAG SUS				
18	19																			1180×10^{-5} SI				
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

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DRILL HOLE HEADER

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HOLE ID YBAC 041 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6501100 Easting (approx) 337700 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 34m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302882 Interval 1m

Finish G302899

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 161 - 167 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 041 Northing 6501100 Mn Easting 337700 mE Sheet 1 of 3

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DCAL	10	FG												ARALIAN SAND + MINOR CALCRETE		2	G	D
1	2																					2		
2	3																			NO CALCRETE		1		
3	4																					1		
4	5																					2		
5	6																					2	G	D
6	7	M	OR BR	CW	TSND			FM												SAND		1		
7	8																							
8	9																							
9	10																							
10	11																					1	G	D
11	12																							
12	13	M	TN OR	CW	TSND			MG																
13	14																							
14	15																							
15	16	M	TN BR	CW	SST			FM												SILICIFIED SAND		3	G	D
16	17	L	TN	HW	MG?															Clay + lm + fe	G302887	2		
17	18																							
18	19																							
19	20																			+ lmc fe stone				
20	21	L	BR	HW	MG?															Clay + he + minor lm		2	G	D
21	22																			+ fe stone				
22	23																							
23	24																							
24	25																							

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 041 Northing 6501100 mN Easting 337700 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	BR	HW	MG?															Clay + he + minor lm		2	G	D
26	27																			↓		↓	↓	↓
27	28																			↓		↓	↓	↓
28	29	L	BR	MW	MG?			MG												+ relic text		↓	↓	↓
29	30																					↓	↓	↓
30	31																						G	D
31	32	L	BR	SW	MG?			MG												Clay + he + relic ~~fs~~ + relic am		3	↓	↓
32	33																			↓		3	↓	↓
33	34	M	GR	FG	MG?			MG												fs + am + rare cb	G302899	4	↓	↓
34	35	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 34m	~	~	~	~
35	36																			BLADE REFUSAL.				
36	37																							
37	38																							
38	39																			EOH MAG SUS				
39	40																			350 $\times 10^{-5}$ SI				
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 042 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 22/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6501095 Easting (approx) 337805 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 23m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302900 Interval 1m

Finish G302911

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 168 - 172 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 042 Northing 6501095 Mn Easting 337805 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Veining / Sulphides Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	CR BR	CW	TELW	DCAL	10	FG												AEOLIAN SAND MINOR + CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4																			↓		↓	↓	↓
4	5	L	OR BR	CW	TSND			FM												SAND		1	↓	↓
5	6																			↓		1	G	D
6	7	L	TN	CW	SST			FG												SILICIFIED SANDS		3	↓	↓
7	8																			↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10	M	TN	CW	TSND			MG												SANDS		1	↓	↓
10	11																			↓		1	G	D
11	12	D	BR	CW	TSND			FG												FE CEMENTED NODULES & SANDS	C302900	2	↓	↓
12	13	M	TN	HW	MG?															Clay + Lm		↓	↓	↓
13	14																			} + fe stone		↓	↓	↓
14	15																			↓		↓	↓	↓
15	16																			↓		2	G	D
16	17																			↓		↓	↓	↓
17	18	M	BR TN	HW	MG?															STRONG Lm STAINING		↓	↓	↓
18	19																			+ fe stone		↓	↓	↓
19	20																			↓		↓	↓	↓
20	21	M	RD BR	MW	MG?															STRONG He + talc?		2	G	D
21	22																			↓		3	↓	↓
22	23	D	GR	SW	MG?			FG												FG AM + PX? + fs + mt.	C302911	4	↓	↓
23	24	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 23m	~	~	~	~
24	25																			BLADE REFUSAL				

EOH MAG SUS 3280 $\times 10^{-5}$ SI

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 043 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 23/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6501105 Easting (approx) 337905 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 26m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302912 Interval 1m

Finish G302926

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS comps 173 - 178 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YBAC~~ YBAC043 Northing 6501105 Mn Easting 337905 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	CR BR	CW	TELW	DCAL	20	Fn										AEOLIAN SAND + minor CALCRETE		2	G	D
1	2																	↓		2	|	|
2	3	M	OR	CW	TSND			Fm										SAND		1	|	|
3	4																	↓ minor + CALCRETE		|	|	|
4	5																	↓		|	|	|
5	6																	↓		1	G	D
6	7																	↓ + minor CLAY		1	|	|
7	8	L	TN	CW	SST			Fm										SILICIFIED SAND		3	|	|
8	9																	↓		|	|	|
9	10																	↓		|	|	|
10	11	L	TN	CW	TSND			MG										SAND		1	G	D
11	12	L	TN	HW	MG?													Clay + minor lm		2	|	|
12	13																	↓		|	|	|
13	14																	↓ + minor fe stone		|	|	|
14	15																	↓		|	|	|
15	16																	↓		2	G	D
16	17																	↓		|	|	|
17	18																	↓		|	|	|
18	19																	↓		|	|	|
19	20																	↓		|	|	|
20	21																	↓		2	G	D
21	22	M	TN BR	MW	MG?													Clay + lm + fe stone		|	|	|
22	23																	↓		|	|	|
23	24	M	PK BR	MW	MG?			Fm										Clay + he (relic text)		|	|	|
24	25																	↓		|	|	|

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 043 Northing 6501105 mN Easting 337905 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	GR	SW	mG?			Fm												Bt am + mt	G302926	4	G	D
26	27																			EOH 26m				
27	28																			BLADE REFUSAL				
28	29																							
29	30																			EOH MAG SUS				
30	31																			2520 x 10^{-5} SI				
31	32																							
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 044 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 23/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6501095 Easting (approx) 338005 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 45m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302927 Interval 1m

Finish G302950

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 179 – 187 (3m.

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YG~~ YBAC044 Northing 6501095 Mn Easting 338005 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alt Int	Alteration Type	Alt Int	Veining / Sulphides Type	%	Type	%	Type	%	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
0	1	L	OR BR	CLY	TELV	DCAL	20	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		2		
2	3	M	OR BR	CW	TSND			FM												SANDS		1		
3	4																							
4	5																							
5	6																					1	G	D
6	7																			+ MINOR CLAYS		1		
7	8																			↓		↓		
8	9	M	BR	CW	SST			FG												Fe cemented SAND		3		
9	10	M	OR BR	CW	TSND			FG												SAND		1		
10	11	L	TN	CW	SST			FM												SILICIFIED SAND		3	G	D
11	12																			↓		3		
12	13																					3		
13	14	M	OR BR	CW	TSND			FM												SAND		1		
14	15																					1		
15	16	M	TN	CW	TSND			MG														1	G	D
16	17																							
17	18																							
18	19																							
19	20																			↓		↓		
20	21	D	BR	CW	TSND			MG												Fe rich SAND		1	G	D
21	22	L	BR	HW	MG?															Clay + he + lm	C307927	2		
22	23																							
23	24	M	RD BR	HW	MG?															INC he				
24	25																			↓		↓		

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~X~~ YBAC044 Northing 6501095 mN Easting 338005 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration Type	Alteration Int	Veining / Sulphides Type	Veining / Sulphides Int	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Veining / Sulphides Type	Veining / Sulphides %	Comments	Sample No.	Hard	Samp. Qual. Size	Samp. Qual. Cond.
25	26	M	BR	MW	MG?															Clay + he + minor Fe stone		2	G	D
26	27																							
27	28																							
28	29																							
29	30																							
30	31																					2	G	D
31	32																							
32	33																							
33	34	M	RO OR	MW	MG?															Clay he + relic text fam				
34	35																							
35	36																					2	G	D
36	37	M	BR	MW	MG?			MG												Clay + Im + he + relic am (INC sticky clays)				
37	38																							
38	39																							
39	40																							
40	41																					2	G	D
41	42																							
42	43																							
43	44																							
44	45																				C302950			
45	46																			EOH 45m				
46	47																			RETURN PROBLEMS				
47	48																			NO FRESH BEDROCK SAMPLE.				
48	49																			EOH MAG SUS				
49	50																			90×10^{-5} SI				

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 045 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 23/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6501315 Easting (approx) 337715 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 44m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302951 Interval 1m

Finish G302969

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 188 - 194 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YB~~ YBAC 045 Northing 6501315 Mn Easting 337715 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TCLV			Fn												AEOLIAN SAND		1	G	D
1	2																			↓		1	↓	↓
2	3																			↓ MINOR + CALCRETE		2		
3	4	M	OR BR	CW	TSND	DCAL	20	Fm												SAND + MINOR CALCRETE		2		
4	5	M	OR BR	CW	TSND			Fm												SAND		1		
5	6																			↓ + CLAY		1	G	D
6	7																							
7	8																							
8	9																							
9	10	M	RO BR	CW	TSND			Fm												SAND		↓	↓	↓
10	11																			↓		1	G	D
11	12																							
12	13																					↓		
13	14	L	TN BR	CW	SST			FG												SILICIFIED SAND		3		
14	15																					3	↓	↓
15	16																					3	G	D
16	17																							
17	18																							
18	19																					↓		
19	20	L	TN	CW	TSND			Fm												SAND		1	↓	↓
20	21																			↓		1	G	D
21	22	L	BR	CW	TSND			Fm														↓		
22	23																							
23	24																							
24	25	D	RO BR	CW	TSND			Fm												fe rich sand		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 045 Northing 6501315 mN Easting 337715 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	L	TN	HW	U?															Clay + minor lm + rare fe stone	G302951	2	G	D
26	27	m	RO BR	HW	U?															Clay + he				
27	28																							
28	29																							
29	30																							
30	31																					2	G	D
31	32																			+ INC he & fe stone				
32	33	m	PK BR	HW	U?															Clay + he				
33	34																							
34	35																							
35	36																					2	G	D
36	37																							
37	38																							
38	39																			+ fe stone				
39	40																							
40	41	m	KH	MW	U?															INC STICKY		2	G	D
41	42																			CLAYS				
42	43																							
43	44																				G302969			
44	45																			EOH 44m				
45	46																			RETURN PROBLEMS.				
46	47																			NO FRESH BEDrock				
47	48																			SAMPLE				
48	49																			EOH MAG SUS				
49	50																			0×10^{-5} SI				

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 046 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 2 TENEMENT 2685

Geologist TB Field Assistant TW Date 23/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6501285 Easting (approx) 337910 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 45m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302970 Interval 1m

Finish G302995

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 195-204 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YBAC~~ YBAC046 Northing 6501285 Mn Easting 337910 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TELN			Fg												AEOLIAN SAND		1	G	D
1	2																			↓		1	↓	↓
2	3	L	OR BR	CW	TELN	DCAL	20	Fg												2 + minor CALCRETE		2		
3	4																			↓		2		
4	5	L	OR BR	CW	TSND			Fm												AEOLIAN SAND + rare clay		1	↓	↓
5	6																			↓		1	G	D
6	7																			↓		↓	↓	↓
7	8	m	RD BR	CW	TSND			Fm												↓		↓	↓	↓
8	9																			↓		↓	↓	↓
9	10	L	TN	CW	SST			Fg												SILICIFIED SAND		3	↓	↓
10	11																			↓		3	G	D
11	12																			↓		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14																			↓		↓	↓	↓
14	15	D	TN BR	CW	TSND			Fm												SAND WITH Fe NODULES		2	↓	↓
15	16																			↓		2	G	D
16	17																			↓		↓	↓	↓
17	18																			↓		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20																			INC Fe NODULES	G302970	↓	↓	↓
20	21	L	RD BR	HW	U?															Clay + Fe		2	G	D
21	22																			↓		↓	↓	↓
22	23																			+ minor Im		↓	↓	↓
23	24																			↓		↓	↓	↓
24	25	m	RD BR	HW	U?															+ Fe stone		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 046 Northing 6501285 mN Easting 337910 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	m	BR	HW	U?															Clay + he		2	G	D
26	27																			↓		↓	↓	↓
27	28																			↓		↓	↓	↓
28	29																			↓		↓	↓	↓
29	30	m	BR	HW	U?															Clay + he + fe stone		↓	↓	↓
30	31																					2	G	D
31	32																			INC fe stone		↓	↓	↓
32	33	m	BR	MW	U??															Clay + he		↓	↓	↓
33	34																			↓		↓	↓	↓
34	35																			↓		↓	↓	↓
35	36																					2	G	D
36	37																			+ INC fe		↓	↓	↓
37	38																			↓		↓	↓	↓
38	39																			↓		↓	↓	↓
39	40																			↓		↓	↓	↓
40	41																					2	G	D
41	42																			relic text.		↓	↓	↓
42	43																			↓		↓	↓	↓
43	44																			↓		↓	↓	↓
44	45																			↓	C302995	↓	↓	↓
~~45~~	~~46~~																			EOH 45m				
46	47																			RETURN PROBLEMS				
47	48																							
48	49																			NO FRESH BEDROCK SAMPLE				
49	50																							

EOH MAG SUS
0×10^{-5} SI

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 047 PROJECT YUMBARRA PROSPECT YUMBARRA AREA TENEMENT 2685

Geologist TB Field Assistant TW Date 23/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6501275 Easting (approx) 337910 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 32m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G302996 Interval 1m

Finish G302011

COMMENTS OR RESAMPLE INTERVALS

ANALYSIS COMPS 205-210 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YG~~ YBAC047 Northing 6501275 Mn Easting 337910 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	m	OR BR	CW	TELV			FG												AEOLIAN SAND		1	G	D
1	2	L	OR BR	CW	TELV	DCAL	30	FG												↓ 3 + minor CALCRETE		2	|	|
2	3																			↓		2	|	|
3	4	m	OR BR	CW	TSND			FM												SAND		1	|	|
4	5																			↓		1	↓	↓
5	6																			↓		1	G	D
6	7	M	OR TN	CW	TSND			FM												↓		1	|	|
7	8	L	TN	CW	SST			FG												SILICIFIED SAND		3	|	|
8	9																			↓		3	|	|
9	10																			↓		3	↓	↓
10	11	M	TN	CW	TSND			FG												Im stained sands		2	G	D
11	12																			↓		|	|	|
12	13																			↓		|	|	|
13	14																			↓		|	|	|
14	15																			↓		↓	↓	↓
15	16	D	BR	CW	SST			FG												Fe CEMENTED SAND		2	G	D
16	17	L	PK RD	HW	U?															Clays + he.	Q302996	|	|	|
17	18																			↓		|	|	|
18	19																			↓		|	|	|
19	20																			↓		↓	↓	↓
20	21																			↓		2	G	D
21	22	M	RD BR	HW	U?															Clay + he (+ fe stone)		|	|	|
22	23																			↓		|	|	|
23	24																			↓		|	|	|
24	25																			↓		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~98~~ YBAC 047 Northing 6501275 mN Easting 337910 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	M	RO BR	HW	U!															Clay + he		2	G	D
26	27																							
27	28	M	KH BR	MW	U?															+ rehe text (sticky clays)				
28	29																							
29	30																							
30	31																					2	G	D
31	32																				G303011	2	↓	↓
32	33																			EOH 32m				
33	34																			RETURN PROBLEMS				
34	35																							
35	36																			NO FRESH BEDROCK				
36	37																			SAMPLE				
37	38																							
38	39																			EOH MAG SUS				
39	40																			0 x 10^{-5} SI.				
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

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DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 048 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant JW Date 24/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502500 Easting (approx) 338390 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 10m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start ~~X~~ NO Interval —

Finish ~~X~~ SAMPLES

COMMENTS OR RESAMPLE INTERVALS

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 048 Northing 6502500 Mn Easting 338390 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DCAL	20	Fg												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		2		
2	3	M	BR	CW	TELV			Fg												CLAYEY SANDS		1		
3	4																							
4	5																							
5	6																			↓		1	G	D
6	7	M	RO BR	CW	TSND			Fm												SANDS + MINOR CLAYS				
7	8																			↓				
8	9	M	RO BR	CW	SST			Fg												SILICIFIED SAND		3		
9	10																			↓		4		
10	11																			EOH 10m				
11	12																			BLADE REFUSAL				
12	13																							
13	14																			NO BEDROCK				
14	15																			SAMPLE				
15	16																							
16	17																			NO SAMPLES TAKEN.				
17	18																							
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 049 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 24/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502475 Easting (approx) 338300 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 27m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303012 Interval 1m

Finish G303025

COMMENTS OR RESAMPLE INTERVALS

GEOANALYSIS COMPS 211-216 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YBAC049~~ Northing 6502475 Mn Easting 338300 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DCAL	LO	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		↓	↓	↓
2	3																			↓		↓	↓	↓
3	4	M	OR BR	CW	TSND			FG												SANDS + MINOR CLAY		1	↓	↓
4	5																			↓		1	↓	↓
5	6																			↓		1	G	D
6	7																			↓		1	↓	D
7	8																			↓		1	↓	m
8	9	M	RD BR	CW	SST			FM												SILICIFIED SAND		3	↓	D
9	10																			↓		3	↓	D
10	11																			↓		3	G	D
11	12																			↓		↓	↓	↓
12	13																			↓		↓	↓	↓
13	14	L	TN	HW	MG?															CLAY + LM	G303012	2	↓	↓
14	15																			↓		2	↓	↓
15	16																			↓		2	G	D
16	17	M	RD BR	HW	MG?															Clay + he		↓	↓	↓
17	18																			↓		↓	↓	↓
18	19																			↓		↓	↓	↓
19	20	M	TN BR	HW	MG?															Clay + he + lm		↓	↓	↓
20	21																			↓		2	G	D
21	22																			↓		↓	↓	↓
22	23	M	TN	MW	MG?															Clay + lm + relic am.		↓	↓	↓
23	24																			↓		↓	↓	↓
24	25																			↓		↓	↓	↓

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC049 Northing 6502475 mN Easting 338300 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	m	BR	MW	MG?			MG												Clay + rel am + he		3	G	D
26	27	m	GR	SW	MG?			MC												fs + am + minor mt	G303025	4	G	D
27	28	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	EOH 27m	~	~	~	~
28	29																			BLADE REFUSAL				
29	30																			EOH MAG SUS				
30	31																			525 x 10^{-5} SI				
31	32																							
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 050 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 24/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502505 Easting (approx) 338195 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 9 m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start ~~&~~ NO Interval —

Finish ~~&~~ SAMPLES.

COMMENTS OR RESAMPLE INTERVALS

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 050 Northing 6 502505 Mn Easting 338195 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CLY	TCLY	DCAL	20	FG												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		2		
2	3	M	OR BR	CLY	TCLY			FG												CLAYEY SAND		1		
3	4																					1		
4	5																					1		
5	6																					1	G	D
6	7	M	TN BR	CLY	SST			FM												SILICIFIED SAND		3		
7	8																					3		
8	9																			↓		4		
9	10																			EOH 9m				
10	11																							
11	12																			BLADE REFUSAL				
12	13																							
13	14																			NO BHROLE				
14	15																			SAMPLE				
15	16																							
16	17																			NO SAMPLE				
17	18																			TAKEN.				
18	19																							
19	20																							
20	21																							
21	22																							
22	23																							
23	24																							
24	25																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 051 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 24/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502490 Easting (approx) 338090 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 23m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303026 Interval 1m

Finish G303031

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 217 - 219 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~YB~~ YBAC051 Northing 6 502480 Mn Easting 338090 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DEAL		Fn												AEOLIAN SAND + MINOR CALCRETE		2	G	D
1	2																			↓		2		
2	3	M	OR BR	CW	TSND			Fn												SANDS + MINOR CLAY		1		
3	4																							
4	5																							
5	6																					1	G	D
6	7																							
7	8																							
8	9																							
9	10	M	RO BR	CW	SST			Fn												SILICIFIED SAND		3		
10	11																					3	G	D
11	12																							
12	13																							
13	14																							
14	15																							
15	16																					3	G	D
16	17																					3		
17	18	L	BR	HW	MG?															Clay + minor he	C303026	2		
18	19																			↓				
19	20	L	GR BR	HW	MG?															GR CLAY + minor he + lm.				
20	21	L	GR	HW	MG?															GR CLAY.		2	G	D
21	22	M	BR GR	MW	MG?			MG												relic amfs + he		3		
22	23	D	BR GR	SW	MG?			MC												↓	C303031	4		
23	24																			EOH 23m				
24	25																			BLADE REFUSAL				

EOH MAG SUS 260 x 10^{-5} SI.

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 052 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 24/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502490 Easting (approx) 337995 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 24m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303032 Interval 1m

Finish G303038

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 220 - 222 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC052 Northing 6502490 Mn Easting 337995 mE Sheet 1 of 1

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELW	DCAL	10	Fn												minor ALLUVIAN SAND + CALCRETE		2	G	D
1	2																			↓				
2	3																							
3	4	M	OR BR	CW	TSND			Fn												SAND + MINOR CLAY		1		
4	5																			↓		1		
5	6																					1	G	D
6	7																							
7	8																							
8	9																							
9	10																			↓				
10	11	M	LO BR	CW	SST															SILICIFIED SANDS		3	G	D
11	12																			↓				
12	13																							
13	14																							
14	15																							↓
15	16																			↓		3	G	D
16	17	L	CR TN	HW	MG?															Clays + rare lm		2		
17	18																			↓	G303032			
18	19																							
19	20	L	BR	HW	MG?															Clays + rare lm + minor he				
20	21																			↓		2	G	D
21	22	D	TN BR	HW	MG?															fe stone		3		
22	23	m	RO WH	MW	MG?			MG												Clays + relic fsram + talc		2		
23	24	m	GR BR	SW	MG?			MC												fs + am + he + talc.	G303038	4		
24	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	EOH 24m	—	—	—	—

BLADE REFUSAL.

EOH MAG SUS ~ 1000 × 10^{-5} SI.

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 053 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 4 TENEMENT 2685

Geologist TB Field Assistant TW Date 24/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6502295 Easting (approx) 336590 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 47m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303039 Interval 1m

Finish G303055

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMPS 223 - 229 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 053 Northing 6 502295 Mn Easting 336590 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	M	OR BR	CW	TELV			Fm												AEOLIAN SAND		1	G	D
1	2	L	OR BR	CW	TELV	DEAL	10	Fg												+ MINOR CALCRETE		2		
2	3																					2		
3	4																					2		
4	5	L	OR BR	CW	TSND			Fg														1		
5	6																			MINOR + CLAY		1	G	D
6	7																							
7	8																							
8	9																							
9	10	L	TN	CW	TSND			Fm												SANDS		1	G	D
10	11																			↓				
11	12	L	TN	CW	SST			Fm												SILICIFIED SAND		3		
12	13	L	TN	CW	TSND			Fm												SANDS		1		
13	14																			↓				
14	15																							
15	16	M	TN	CW	SST			Fm												SILICIFIED SAND		3	G	D
16	17																			↓		3		
17	18	L	TN	CW	TSND			FM												SANDS		1		
18	19																			↓				
19	20																							
20	21																					1	G	D
21	22	M	TN OR	CW	TSND			fm												SANDS				
22	23																			↓				
23	24																							
24	25																							

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 053 Northing 6502295 mN Easting 336590 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	M	OR TN	CW	TSND															SANDS		1	G	D
26	27																							
27	28																							
28	29																							
29	30	M	BL	CW	SST															Fe rich SANDS		2		
30	31	D	BL	CW	SST	MG?	20													↓ + CLAYS	G303039	2	G	D
31	32	L	TN	MW	U?															CLAY + minor lm				
32	33																							
33	34																							
34	35																							
35	36																					2	G	D
36	37																							
37	38																							
38	39																							
39	40																							
40	41																					2	G	D
41	42																							
42	43																							
43	44																							
44	45																							
45	46	L	GR TN	MW	U?			FG												Clay + relic am + rare lm		2	G	D
46	47	M	GR	SW	U?			FG												Fe + am + mt	G303055	4	G	D
~~47~~	~~48~~																			EOH 47m				
48	49																			BLADE REFUSAL				
49	50																							

EOH MAG SUS
2720 x 10^{-5} SI.

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 054 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 25/08/01 RAB / (AC) / RC / DD Circle as applicable

Northing (approx) 6502310 Easting (approx) 336500 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 31m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303056 Interval 1m

Finish G303060

COMMENTS OR RESAMPLE INTERVALS

ANALYSIS COMP 230-232 (3m)

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 054 Northing 6 502310 Mn Easting 336500 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	CR BR	CW	TELV	DCAL	10	FG												AEOLIAN SAND & MINOR CALCRETE		2	G	D
1	2	L	OR BR	CW	TSND			FG												SAND		1		
2	3																							
3	4																							
4	5																							
5	6																					1	G	D
6	7																					1		
7	8	L	TN OR	CW	SST	TSND	50	FG												SAND & SILICIFIED SANDS		2		
8	9																					2		
9	10	M	TN YE	CW	TSND			FG												SAND		1		
10	11																					1	G	D
11	12																							
12	13																							
13	14																							
14	15	L	IN YE	CW	TSND			FM												SAND		1		
15	16																					1	G	D
16	17																							
17	18																							
18	19																							
19	20	M	TN YE	CW	TSND			FM														1	G	D
20	21																							
21	22	M	TN OR	CW	TSND			FM												SANDS		1		
22	23																							
23	24																							
24	25																							

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC 054 Northing 6 502310 mN Easting 336 500 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	M	OL GR	CW	TSND			FM												SAND		1	C	D
26	27	M	TN	HW	MG?															Clay + 1m		2		
27	28																							
28	29																							
29	30	L	TN	HW	MG?															Clay + minor 1m.				
30	31	L	CY TN	HW	MG?															Clay	C303060	3	C	D
~~31~~	32																			EOH 31m				
32	33																			BLADE REFUSAL.				
33	34																							
34	35																			No RECOVERY OF				
35	36																			EOH SAMPLE				
36	37																			EOH MAG SUS				
37	38																			0×10^{-5} SI.				
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

RESOLUTE LIMITED

DRILL HOLE HEADER

Sheet ___ of ___

HOLE ID YBAC 055 PROJECT YUMBARRA PROSPECT YUMBARRA AREA 3 TENEMENT 2685

Geologist TB Field Assistant TW Date 25/08/01 RAB / AC / RC / DD Circle as applicable

Northing (approx) 6502330 Easting (approx) 336400 Grid Name AMG

Northing (survey) ___ Easting (survey) ___ RL ___

Collar Dip -90 Collar Azimuth *Magnetic* ___ Collar Azimuth *AMG* ___ Collar Azimuth *Local Grid* ___

Pre Collar Depth ___ Total Depth 26m Hole Size ___ Rig WALLIS MANTIS.

DOWNHOLE SURVEYS SURVEY METHOD ___

Depth	Dip	Azimuth	Depth	Dip	Azimuth

CORE REDUCTION DEPTHS

Depth	Size

SAMPLE NUMBERS

Start G303061 Interval 1m

Finish ___

COMMENTS OR RESAMPLE INTERVALS

GENALYSIS COMP 233

HOLE ID ___ Sheet ___ of ___

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ YBAC055 Northing 6502330 Mn Easting 336400 mE Sheet 1 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
0	1	L	OR BR	CW	TELV			Fm												AEOLIAN SAND		1	G	D
1	2																					1		
2	3																			(+ MINOR CALCRETE)		2		
3	4	L	OR BR	CW	TSND			Fg														1		
4	5																					1		
5	6																					1	G	D
6	7																							
7	8	M	OR BR	CW	TSND			Fg												SANDS				
8	9																							
9	10	M	TN YE	CW	SST			Fm												SILICIFIED SAND		3		
10	11	M	TN YE	CW	TSND			Fm												SANDS		1	G	D
11	12																							
12	13																							
13	14																							
14	15	M	TN YE	CW	SST	TSND	50	Fm												SAND & SILICIFIED SAND		2		
15	16	L	YE WH	CW	SST			Fm												SILICIFIED SAND		2	G	D
16	17																					2		
17	18	M	TN YE	CW	TSND			Fm												SANDS		1		
18	19																							
19	20																							
20	21	M	TN	CW	TSND			Fm												SANDS		1	G	D
21	22																							
22	23																							
23	24	M	RD BR	CW	SST															Fe RICH CEMENTED SANDS		2		
24	25																					3		

GJV RAB / AC / RC LOG SHEET

HOLE ID ~~96~~ 4BAC055 Northing 6502330 mN Easting 336400 mE Sheet 2 of 2

Fr	To	Hue	Col	Weath	Maj. Rock	Min. Rock	%	Gr. Size	Text. / Struct.	Alteration				Veining / Sulphides						Comments	Sample No.	Hard	Samp. Qual.	
										Type	Int	Type	Int	Type	%	Type	%	Type	%				Size	Cond.
25	26	D	BR RO	CW	SST			Fn												FR CEMENTED SANDS	G303061	4	CL	D
~~26~~	27																			EOH 26m				
27	28																			BLADE REFUSAL				
28	29																							
29	30																							
30	31																			NO BEDROCK				
31	32																			SAMPLE				
32	33																							
33	34																							
34	35																							
35	36																							
36	37																							
37	38																							
38	39																							
39	40																							
40	41																							
41	42																							
42	43																							
43	44																							
44	45																							
45	46																							
46	47																							
47	48																							
48	49																							
49	50																							

Appendix 5

Analytical Reports - Drillhole Samples

Genalysis Laboratory Services Pty. Ltd.

ANALYSTS AND CONSULTING CHEMISTS
ABN: 32 008 787 237

R COATES
DOMINION GOLD OPERATIONS PTY LTD
PO Box 453
TORRENSVILLE SA 5031
AUSTRALIA

Analytical Report

JOB INFORMATION

JOB CODE	: 568.0/0105105
No. of SAMPLES	: 233
No. of ELEMENTS	: 13
CLIENT O/N	: 10532
SAMPLE SUBMISSION No.	:
PROJECT	: AC CHIPS
STATE	: Air core
DATE RECEIVED	: 03/09/2001
DATE COMPLETED	: 20/09/2001
DATE PRINTED	: 20/09/2001

LEGEND

'X'	= LESS THAN DETECTION LIMIT
'N/R'	= SAMPLE NOT RECEIVED
'*'	= RESULT CHECKED
'( )'	= RESULT STILL TO COME
'I/S'	= INSUFFICIENT SAMPLE FOR ANALYSIS
'E6'	= RESULT X 1,000,000
'UA'	= UNABLE TO ASSAY

YUMBARRA
YBAC 001 → YBAC 055

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SAMPLE DETAILS

DISCLAIMER

genalysis laboratory services pty ltd wishes to make the following disclaimer pertaining to the accompanying analytical results.

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Significant Figures.
It is common and valid practice to report data derived from analytical instrumentation to a maximum of three significant figures. Some data reported herein may show more than three significant figures. The reporting of more than three significant figures in no way implies that the fourth and subsequent figures are real or significant.

genalysis laboratory services pty ltd accepts no responsibility whatsoever for any interpretation by any party of any data where more than three significant figures have been reported.

SAMPLE STORAGE DETAILS

GENERAL CONDITIONS

SAMPLE STORAGE OF SOLIDS
Bulk Residues and Pulps will be stored for 60 DAYS without charge. After this time all Bulk Residues and Pulps will be stored at a rate of $1.20 /cubic metre/day until your written advice regarding collection or disposal is received. Expenses related to the return or displosal of samples will be charged to you at cost.

SAMPLE STORAGE OF SOLUTIONS
Samples received as liquids, waters or solutions will be held for 60 DAYS free of charge then disposed of, unless written advice for return or collection is received.

ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0001 G302501-503		X		5.5	2.3	125	59	2.34	4	X
0002 G302504-506	YBAC 001	2		4.7	6.8	175	52	1.46	4	X
0003 G302507-509		X		4.6	22.0	152	164	11.03	32	X
0004 G302510-511		X		X	16.4	168	166	8.48	83	X
0005 G302512		X		X	44.8	59	258	5.56	127	X
0006 G302513-515		X		1.9	13.2	116	93	2.46	25	X
0007 G302516-518		X		1.3	22.1	129	199	6.56	63	X
0008 G302519-521		X		0.5	17.1	158	174	11.68	73	X
0009 G302522-524	YBAC 002	1		0.6	28.9	108	149	16.77	94	X
0010 G302525-527		2		X	39.2	111	122	10.15	87	X
0011 G302528-530		X		0.5	173.7	149	115	8.81	326	X
0012 G302531-533		1		X	72.6	112	113	7.17	182	X
0013 G302534-536		X		X	65.2	94	126	6.63	142	X
0014 G302537		X		X	41.2	58	149	5.87	70	X
0015 G302538-540	YBAC	X		5.4	12.0	44	22	5.22	17	X
0016 G302541	003	X		1.5	2.0	16	7	1.24	5	X
0017 G302542-544		X		20.1	2.1	39	48	3.48	3	X
0018 G302545-547		X		0.8	8.0	25	60	5.57	12	X
0019 G302548-549	YBAC 004	X		1.9	7.9	27	122	4.55	17	X
0020 G302550		X		X	10.1	37	82	7.63	17	X
0021 G302551	005	X		3.0	4.3	18	10	1.34	5	X
0022 G302552	006	X		19.4	3.3	13	8	1.34	3	X
0023 G302553	007	X		1.3	2.7	11	5	0.76	4	X
0024 G302554	008	X		2.3	2.3	18	7	1.05	5	X
0025 G302555	009 76.24	X		9.1	2.1	15	7	2.01	3	X
0026 G302556	010	X		1.7	5.7	13	7	0.89	6	X
0027 G302557-559		X		16.0	2.6	104	42	4.34	5	X
0028 G302560-562	011	2		0.8	17.4	109	120	6.87	54	X
0029 G302563		2		X	27.7	114	165	7.23	79	X
0030 G302564	012	X		0.9	2.5	10	5	1.11	5	X
0031 G302565-567		2		1.9	36.1	241	91	7.83	101	X
0032 G302568-570		X		0.6	35.3	162	94	11.30	101	X
0033 G302571-573		X		1.1	13.5	48	65	11.56	34	X
0034 G302574-576		X		0.6	11.9	46	54	15.73	30	X
0035 G302577-579	013	X		X	13.4	34	75	9.78	47	X
0036 G302580-582		1		0.7	296.2	130	98	13.92	273	11
0037 G302583-585		1		X	77.8	140	67	9.37	349	X
0038 G302586-588		X		0.9	44.4	66	62	8.00	96	X
0039 G302589-591		X		0.6	47.0	38	57	9.70	66	X
0040 G302592		X		X	50.2	45	54	7.12	83	X

ANALYSIS

ELEMENTS	Pt	S	Zn	
UNITS	ppb	ppm	ppm	
DETECTION	5	10	1	
METHOD	B/MS	B/OES	B/OES	
SAMPLE NUMBERS				
0001 G302501-503	X	961	12	
0002 G302504-506	X	1055	67	
0003 G302507-509	X	1103	63	001
0004 G302510-511	X	829	17	
0005 G302512	X	498	35	
0006 G302513-515	X	784	30	
0007 G302516-518	X	1031	38	
0008 G302519-521	X	1305	32	
0009 G302522-524	X	1319	40	
0010 G302525-527	X	902	43	
0011 G302528-530	X	318	95	
0012 G302531-533	X	166	58	002
0013 G302534-536	X	101	141	
0014 G302537	X	124	82	
0015 G302538-540	X	331	22	003
0016 G302541	X	214	13	
0017 G302542-544	X	755	16	
0018 G302545-547	X	833	24	
0019 G302548-549	X	706	42	004
0020 G302550	X	895	18	
0021 G302551	X	257	37	005
0022 G302552	X	195	74	006
0023 G302553	X	222	36	007
0024 G302554	X	242	15	008
0025 G302555	X	230	26	009
0026 G302556	X	258	38	010
0027 G302557-559	X	765	16	
0028 G302560-562	X	776	29	011
0029 G302563	6	413	35	
0030 G302564	X	134	8	012
0031 G302565-567	5	1039	49	
0032 G302568-570	X	1350	40	
0033 G302571-573	X	1332	22	
0034 G302574-576	X	1409	18	
0035 G302577-579	X	999	30	013
0036 G302580-582	X	1309	88	
0037 G302583-585	X	295	107	
0038 G302586-588	X	281	53	
0039 G302589-591	X	302	49	
0040 G302592	5	171	64	

ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0041 G302593-595		1		6.2	56.5	76	137	18.67	66	X
0042 G302596-598	014	1		1.4	62.4	100	177	18.61	84	X
0043 G302599-601		X		1.0	47.3	78	133	13.72	76	X
0044 G302602		1		0.8	56.2	67	160	11.94	69	X
0045 G302603-604		1		1.9	18.0	107	170	6.00	34	X
0046 G302605-606	015	2		0.7	20.9	66	181	11.41	31	X
0047 G302607		X		X	22.0	71	212	9.96	37	X
0048 G302608-610		1		2.0	33.1	81	200	11.21	88	X
0049 G302611-613		2		X	33.8	112	182	11.39	45	X
0050 G302614-616	96.36	X		0.5	57.0	86	216	19.49	54	X
0051 G302617-619		X		0.7	26.3	76	165	8.95	34	X
0052 G302620-622	016	2		X	8.5	43	86	4.38	21	X
0053 G302623		1		X	77.5	63	179	6.84	61	X
0054 G302624-626		X		1.5	5.9	60	37	7.18	20	X
0055 G302627-629		X		X	13.8	56	41	7.28	26	X
0056 G302630-632		X		0.7	160.8	58	328*	25.47*	85	X
0057 G302633-635		X		1.6	147.0	51	295	22.42*	96	X
0058 G302636-638		X		X	39.0	54	166	8.05	58	X
0059 G302639-641	017	X		X	10.6	36	160	4.44	47	X
0060 G302642-644		X		0.6	311.1	26	326*	5.61	221	X
0061 G302645-647		X		X	42.0	24	126	3.62	88	X
0062 G302648-650		1		X	39.4	26	131	3.92	68	X
0063 G302651		1		X	25.1	26	59	2.90	42	X
0064 G302652-654	018	X		X	5.0	67	50	2.26	12	X
0065 G302655		X		0.7	9.2	73	56	2.86	18	X
0066 G302656-658		2		1.4	46.2	26	81	11.61	60	X
0067 G302659-661		X		0.5	13.6	34	83	5.35	31	X
0068 G302662-664	019	X		X	16.1	35	68	4.47	32	X
0069 G302665-667		X		X	12.1	7	50	3.57	31	X
0070 G302668		X		X	19.0	7	93	5.27	24	X
0071 G302669-671		1		1.0	7.4	10	119	5.81	25	X
0072 G302672-674	021	2		X	7.1	14	112	4.69	23	X
0073 G302675		X		X	8.5	7	112	4.45	26	X
0074 G302676-678		X		1.5	72.0	51	127	19.08	44	X
0075 G302679-681	87.53	X		X	85.8	59	126	20.43*	51	X
0076 G302682-684		2		X	82.2	72	125	14.32	60	X
0077 G302685-686	022	2		0.8	49.8	86	147	7.52	52	X
0078 G302687-688		2		X	36.3	76	132	6.44	53	X
0079 G302689		X		1.1	75.0	73	263	11.45	97	X
0080 G302690-692	023	1		2.1	29.4	31	67	12.55	53	X

ANALYSIS

ELEMENTS	Pt	S	Zn	
UNITS	ppb	ppm	ppm	
DETECTION	5	10	1	
METHOD	B/MS	B/OES	B/OES	
SAMPLE NUMBERS				
0041 G302593-595	X	1255	91	
0042 G302596-598	X	1453	65	014
0043 G302599-601	X	896	48	
0044 G302602	7	859	54	
0045 G302603-604	X	928	37	
0046 G302605-606	X	876	20	015
0047 G302607	X	442	24	
0048 G302608-610	X	729	177	
0049 G302611-613	X	938	69	
0050 G302614-616	X	1139	58	
0051 G302617-619	X	1062	39	016
0052 G302620-622	X	939	12	
0053 G302623	X	433	30	
0054 G302624-626	X	776	12	
0055 G302627-629	X	884	13	
0056 G302630-632	X	1124	184	
0057 G302633-635	X	1018	128	
0058 G302636-638	X	751	35	
0059 G302639-641	X	647	17	017
0060 G302642-644	X	632	56	
0061 G302645-647	X	129	36	
0062 G302648-650	X	153	32	
0063 G302651	X	188	55	
0064 G302652-654	X	547	25	018
0065 G302655	X	448	39	
0066 G302656-658	X	849	25	
0067 G302659-661	X	780	23	
0068 G302662-664	X	590	15	019
0069 G302665-667	X	821	21	
0070 G302668	X	442	43	
0071 G302669-671	X	621	5	
0072 G302672-674	X	637	4	021
0073 G302675	X	629	7	
0074 G302676-678	X	783	81	
0075 G302679-681	X	840	43	
0076 G302682-684	X	830	34	
0077 G302685-686	X	659	17	
0078 G302687-688	X	598	16	022
0079 G302689	X	772	48	
0080 G302690-692	X	616	88	023

ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0081 G302693-695		2		0.6	35.4	21	49	15.61	23	X
0082 G302696-698		1		X	35.6	17	38	18.41	32	X
0083 G302699-701	023	X		X	48.5	56	53	15.83	48	X
0084 G302702-704		X		X	24.4	59	53	8.78	32	X
0085 G302705-707		X		X	7.7	60	52	5.27	25	X
0086 G302708		X		X	16.6	63	90	4.53	60	X
0087 G302709-711	024	2		1.2	71.8	62	102	16.86	77	X
0088 G302712-714		2		0.6	31.7	144	62	14.47	94	X
0089 G302715-717	025	X		X	13.5	116	40	5.07	29	X
0090 G302718		X		0.6	6.7	68	33	3.27	21	X
0091 G302719-721		1		2.3	27.3	152	77	12.78	81	X
0092 G302722-723	026	X		0.6	12.0	115	62	5.61	30	X
0093 G302724		X		1.0	17.2	84	79	6.17	41	X
0094 G302725-727		2		7.7	9.6	55	51	3.80	28	X
0095 G302728-729	027	X		2.9	17.5	64	46	4.07	42	X
0096 G302730		X		2.2	19.5	66	67	4.92	53	X
0097 G302731-733		2		23.5	2.2	72	63	2.31	6	X
0098 G302734-736	028	1		4.2	9.5	59	111	13.14	30	X
0099 G302737-738		1		1.1	12.9	37	134	15.61	35	X
0100 G302739	82.30	X		1.0	5.0	33	34	4.69	11	X
0101 G302740-742		X		18.6	3.7	126	24	2.51	16	X
0102 G302743-745		X		1.7	30.7	318	52	7.97	111	X
0103 G302746-748	029	1		1.2	30.0	114	22	8.18	126	X
0104 G302749		X		0.7	33.3	118	24	8.42	200	X
0105 G302750-752		X		23.7	4.1	42	42	2.25	12	X
0106 G302753-755		2		2.6	28.4	60	94	8.01	75	X
0107 G302756-758	030	1		1.8	25.0	90	54	7.88	75	X
0108 G302759		X		1.6	46.7	87	35	5.81	86	X
0109 G302760-762		2		15.3	10.4	179	34	2.50	31	X
0110 G302763-765		1		5.1	274.6	294	87	13.27	415	X
0111 G302766-768		X		0.9	144.2	112	45	13.13	179	X
0112 G302769-771	031	1		0.9	461.5*	87	40	7.50	235	X
0113 G302772-773		X		0.6	175.1	67	20	8.71	687*	X
0114 G302774-775		3		0.6	127.7	61	24	6.60	190	X
0115 G302776		2		17.7	2.4	54	11	1.18	6	X
0116 G302777-779		X		16.7	8.6	133	59	4.22	28	X
0117 G302780-782	032	X		2.1	28.7	139	55	9.32	115	X
0118 G302783-785		1		2.7	50.7	152	69	11.12	221	X
0119 G302786-788		2		0.9	110.5	87	115	9.95	232	X
0120 G302789-791		X		0.7	89.9	48	185	10.27	215	X

ANALYSIS

ELEMENTS	Pt	S	Zn
UNITS	ppb	ppm	ppm
DETECTION	5	10	1
METHOD	B/MS	B/OES	B/OES
SAMPLE NUMBERS			
0081 G302693-695	X	984	32
0082 G302696-698	X	1095	24
0083 G302699-701	X	1048	31
0084 G302702-704	X	746	18
0085 G302705-707	X	544	10
0086 G302708	X	327	35
0087 G302709-711	X	796	135
0088 G302712-714	6	925	38
0089 G302715-717	X	370	11
0090 G302718	X	350	20
0091 G302719-721	X	764	23
0092 G302722-723	X	429	9
0093 G302724	X	317	11
0094 G302725-727	X	488	24
0095 G302728-729	X	480	16
0096 G302730	X	396	21
0097 G302731-733	X	630	8
0098 G302734-736	X	778	52
0099 G302737-738	X	905	38
0100 G302739	X	492	18
0101 G302740-742	X	505	13
0102 G302743-745	X	703	116
0103 G302746-748	X	617	38
0104 G302749	X	445	52
0105 G302750-752	X	444	15
0106 G302753-755	X	740	58
0107 G302756-758	X	785	28
0108 G302759	X	367	43
0109 G302760-762	X	676	19
0110 G302763-765	X	1001	186
0111 G302766-768	X	1157	79
0112 G302769-771	X	861	67
0113 G302772-773	X	277	113
0114 G302774-775	X	237	65
0115 G302776	X	654	6
0116 G302777-779	X	2302	19
0117 G302780-782	X	1145	101
0118 G302783-785	X	1089	100
0119 G302786-788	X	1086	62
0120 G302789-791	X	1077	46

023 024 025 026 027 028 029 030 031 032

ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0121 G302792-793		X		0.7	227.7	54	310	9.71	382	X
0122 G302794		2		0.5	78.3	108	162	8.17	174	X
0123 G302795-797		1		23.7	4.0	56	40	4.44	20	X
0124 G302798-800		X		1.7	19.2	38	160	7.44	67	X
0125 G302801-803	99.21	2		0.7	27.9	70	76	7.04	63	X
0126 G302804-806		X		0.9	93.6	44	188	17.17	181	X
0127 G302807-809		X		X	75.3	32	226	15.52	89	X
0128 G302810-812		5 3		X	223.4	11	173	13.72	138	X
0129 G302813-815		4 5		X	61.7	13	173	9.65	68	X
0130 G302816		1		X	46.0	9	163	9.37	36	X
0131 G302817-819		1		16.3	5.0	67	20	1.86	7	X
0132 G302820-822		1		2.4	38.0	86	82	14.38	27	X
0133 G302823-825		X		1.3	38.5	68	93	13.00	30	X
0134 G302826-828		2		0.7	82.2	44	210	22.05	49	X
0135 G302829-831		X		0.6	68.9	36	211	19.22	53	X
0136 G302832-834		2		X	123.7	23	143	16.21	62	X
0137 G302835-836		X		0.8	58.6	22	124	13.31	79	X
0138 G302837-838		X		0.9	43.2	23	32	9.80	59	X
0139 G302839		X		X	32.3	18	17	6.02	32	X
0140 G302840-841		1		9.5	5.1	34	30	3.34	7	11
0141 G302842		X		2.8	2.7	29	21	3.39	8	X
0142 G302843-845		X		5.1	3.0	41	39	6.83	18	X
0143 G302846-848		X		1.0	35.7	26	99	3.63	95	X
0144 G302849-851		X		X	20.2	44	101	7.13	37	X
0145 G302852-853		2		X	34.6	17	18	10.42	23	X
0146 G302854-855		2		X	28.0	27	12	9.95	24	X
0147 G302856		X		1.0	22.9	19	7	6.04	24	X
0148 G302857-858		2		9.6	11.9	99	99	5.13	20	X
0149 G302859-860		2		1.1	29.7	16	166	9.31	26	X
0150 G302861	99.28	1		0.5	52.7	2	177	14.14	36	X
0151 G302862-864		X		12.3	26.5	105	49	9.33	88	X
0152 G302865-866		2		1.4	39.1	71	67	12.03	113	X
0153 G302867		X		X	32.4	44	42	4.57	74	X
0154 G302868-869		2		18.9	2.9	86	32	2.73	4	X
0155 G302870-871		2		5.7	19.7	147	84	5.72	33	X
0156 G302872		X		2.8	59.3	127	124	11.43	108	X
0157 G302873-875		2		12.9	9.6	93	72	2.70	16	X
0158 G302876-878		X		4.5	60.3	112	210	11.03	112	X
0159 G302879-880		2		0.9	12.9	98	68	5.96	34	X
0160 G302881		X		1.7	40.9	63	93	5.96	81	X

ANALYSIS

ELEMENTS	Pt	S	Zn
UNITS	ppb	ppm	ppm
DETECTION	5	10	1
METHOD	B/MS	B/OES	B/OES
SAMPLE NUMBERS			
0121 G302792-793	X	408	94
0122 G302794	X	223	66
0123 G302795-797	X	577	12
0124 G302798-800	X	813	47
0125 G302801-803	X	779	50
0126 G302804-806	X	1054	101
0127 G302807-809	X	1107	51
0128 G302810-812	X	771	92
0129 G302813-815	X	309	74
0130 G302816	X	293	106
0131 G302817-819	X	2749	13
0132 G302820-822	X	855	61
0133 G302823-825	X	706	53
0134 G302826-828	X	935	52
0135 G302829-831	X	736	66
0136 G302832-834	X	423	62
0137 G302835-836	X	201	80
0138 G302837-838	X	231	83
0139 G302839	X	158	106
0140 G302840-841	X	608	18
0141 G302842	X	444	52
0142 G302843-845	X	1389	10
0143 G302846-848	X	1165	68
0144 G302849-851	X	536	82
0145 G302852-853	X	263	178
0146 G302854-855	X	278	132
0147 G302856	X	237	147
0148 G302857-858	X	531	36
0149 G302859-860	X	699	35
0150 G302861	X	725	46
0151 G302862-864	X	843	35
0152 G302865-866	X	1239	30
0153 G302867	X	633	18
0154 G302868-869	X	576	10
0155 G302870-871	X	907	53
0156 G302872	X	787	122
0157 G302873-875	X	632	23
0158 G302876-878	X	1306	81
0159 G302879-880	X	807	14
0160 G302881	X	557	26

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ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0161 G302882-884		X		14.7	23.2	37	24	7.37	19	X
0162 G302885-887		1		3.6	174.3	30	27	21.95	82	X
0163 G302888-890	041	2		0.8	72.4	20	46	18.65	56	X
0164 G302891-893		X		0.7	38.1	15	17	10.81	48	X
0165 G302894-896		1		0.7	78.3	23	20	21.87	42	X
0166 G302897-898		X		X	26.3	41	13	6.91	42	X
0167 G302899		2		0.5	126.9	12	24	12.43	67	X
0168 G302900-902		X		74.8*	25.3	320*	28	14.24	132	X
0169 G302903-905	042	1		3.5	332.8*	246	38	28.46*	806*	X
0170 G302906-908		X		2.8	1066.2*	126	15	35.73*	1357*	X
0171 G302909-910		1		1.4	331.5*	143	13	22.23	843*	X
0172 G302911		X		1.3	425.6*	136	12	16.33	1028*	X
0173 G302912-914		1		33.4	19.0	37	19	4.89	19	X
0174 G302915-917		2		2.7	11.0	27	15	2.06	15	X
0175 G302918-920	98.44	X		0.8	26.8	32	27	2.91	52	X
0176 G302921-923		1		0.6	97.0	23	80	16.38	101	X
0177 G302924-925	043	X		X	61.7	32	159	13.10	93	X
0178 G302926		1		X	40.3	19	175	9.81	84	X
0179 G302927-929		X		17.3	4.4	96	113	4.47	11	X
0180 G302930-932		1		1.7	22.0	153	102	13.19	48	X
0181 G302933-935		X		0.8	22.3	119	86	16.42	60	X
0182 G302936-938		X		X	31.1	46	148	14.81	84	X
0183 G302939-941		X		X	94.7	29	259	16.32	128	X
0184 G302942-944	044	X		0.8	78.1	20	271	11.78	131	X
0185 G302945-947		X		1.3	248.4	51	400*	10.52	211	X
0186 G302948-949		1		1.3	192.9	244	325*	12.84	403	X
0187 G302950		X		0.8	42.3	133	52	7.06	127	X
0188 G302951-953		1	X	48.9*	3.4	112	14	6.35	4	X
0189 G302954-956		X		2.5	12.9	91	10	8.30	23	X
0190 G302957-959		2		0.9	15.3	318	22	12.73	44	X
0191 G302960-962		1		0.8	11.0	180	40	4.47	54	X
0192 G302963-965	045	X		X	47.3	1066*	101	23.58*	139	X
0193 G302966-968		X		X	40.1	698*	71	12.14	191	X
0194 G302969		4	4	0.9	126.0	271	178	10.65	307	X
0195 G302970-972		1	X	38.3*	1.6	79	9	4.81	5	X
0196 G302973-975		X		2.3	10.3	199	22	9.40	26	10
0197 G302976-978		X		1.7	10.7	137	27	11.91	29	X
0198 G302979-981	046	X		0.6	10.6	51	19	20.17	44	X
0199 G302982-984		X		0.6	11.4	31	34	11.76	50	X
0200 G302985-987	96.33	X		0.7	34.8	17	26	14.10	62	X

ANALYSIS

ELEMENTS	Pt	S	Zn
UNITS	ppb	ppm	ppm
DETECTION	5	10	1
METHOD	B/MS	B/OES	B/OES
SAMPLE NUMBERS			
0161 G302882-884	X	1001	73
0162 G302885-887	X	1190	180
0163 G302888-890	X	1411	91
0164 G302891-893	X	1325	48
0165 G302894-896	X	1483	41
0166 G302897-898	X	812	17
0167 G302899	X	1054	44
0168 G302900-902	X	1535	95
0169 G302903-905	X	1187	247*
0170 G302906-908	X	1521	369*
0171 G302909-910	X	1319	126
0172 G302911	X	829	137
0173 G302912-914	X	699	12
0174 G302915-917	X	635	11
0175 G302918-920	X	794	36
0176 G302921-923	X	1103	52
0177 G302924-925	X	929	36
0178 G302926	X	692	34
0179 G302927-929	X	4181	8
0180 G302930-932	X	2050	34
0181 G302933-935	X	699	43
0182 G302936-938	X	603	32
0183 G302939-941	X	693	42
0184 G302942-944	X	534	65
0185 G302945-947	X	441	136
0186 G302948-949	X	257	279*
0187 G302950	X	519	80
0188 G302951-953	X	3692*	17
0189 G302954-956	X	3305	45
0190 G302957-959	X	970	49
0191 G302960-962	X	610	54
0192 G302963-965	X	1242	149
0193 G302966-968	X	819	79
0194 G302969	X	163	239*
0195 G302970-972	X	3217	14
0196 G302973-975	X	5500*	29
0197 G302976-978	X	1071	40
0198 G302979-981	X	703	40
0199 G302982-984	X	626	31
0200 G302985-987	X	595	56

041

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044

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ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
SAMPLE NUMBERS										
0201 G302988-990		2		1.3	63.6	174	40	10.63	102	X
0202 G302991-992	046	1		X	43.9	20	18	6.70	33	X
0203 G302993-994		1		0.5	25.2	26	18	6.42	38	X
0204 G302995		1		X	42.7	105	52	10.48	79	X
0205 G302996-998		X		19.8	1.9	67	24	4.08	19	X
0206 G302999-303001		X		2.4	11.6	51	32	11.63	47	X
0207 G303002-004		X		2.3	17.7	42	24	11.30	68	X
0208 G303005-007	047	X		1.4	21.5	33	35	13.46	110	X
0209 G303008-010		X		4.7	30.7	42	31	9.01	133	X
0210 G303011		X		2.2	27.8	56	27	7.07	127	X
0211 G303012-014		X		40.0*	3.4	99	106	5.41	21	X
0212 G303015-017		1		2.3	21.7	79	99	10.07	35	X
0213 G303018-020		X		0.8	23.5	130	132	8.46	59	X
0214 G303021-022	049	2		1.2	133.3	66	293	21.56	174	X
0215 G303023-024		2		0.9	35.2	59	221	9.81	94	X
0216 G303025		X		0.6	15.5	73	104	6.17	32	X
0217 G303026-028		X		3.7	8.2	85	56	1.09	25	X
0218 G303029-030	051	1		6.4	79.3	717*	251	15.52	269	X
0219 G303031		X		4.9	44.9	674	98	12.64	220	X
0220 G303032-034		X		8.7	50.4	83	92	2.27	61	X
0221 G303035-037	052	X		4.0	125.6	64	140	12.60	173	X
0222 G303038		X		1.1	11.4	33	95	4.91	27	X
0223 G303039-041		X		20.9	2.3	36	29	8.81	2	X
0224 G303042-044		X		3.7	5.0	26	21	3.28	12	X
0225 G303045-047	92.32	X		1.0	4.4	18	16	2.34	10	X
0226 G303048-050		2		1.3	7.5	27	25	4.59	14	X
0227 G303051-052	053	X		2.8	25.9	26	74	4.56	29	X
0228 G303053-054		X		1.4	18.0	21	119	4.10	23	X
0229 G303055		X		2.8	28.3	21	336*	3.05	30	11
0230 G303056-057		X	X	35.6*	1.6	45	19	5.67	2	X
0231 G303058-059	054	X		3.2	1.4	28	16	3.62	3	X
0232 G303060		X		X	1.8	17	11	1.24	3	X
0233 G303061	055	X		30.9	1.0	12	8	5.89	X	X
CHECKS										
0001 G302501-503		1		6.0	2.2	114	55	2.16	4	X
0002 G302557-559		X		14.7	2.8	103	41	4.10	5	X
0003 G302623		1		0.7	77.4	61	173	6.57	58	X
0004 G302689		1		1.0	72.4	78	258	11.41	97	X
0005 G302750-752		X		33.9	5.8	47	45	2.67	14	X

ANALYSIS

ELEMENTS	Pt	S	Zn
UNITS	ppb	ppm	ppm
DETECTION	5	10	1
METHOD	B/MS	B/OES	B/OES
SAMPLE NUMBERS			
0201 G302988-990	X	758	55
0202 G302991-992	X	475	40
0203 G302993-994	X	526	32
0204 G302995	X	889	73
0205 G302996-998	X	2987	15
0206 G302999-303001	X	4977	60
0207 G303002-004	X	924	68
0208 G303005-007	X	1313	92
0209 G303008-010	X	947	63
0210 G303011	X	688	56
0211 G303012-014	X	947	18
0212 G303015-017	X	909	37
0213 G303018-020	X	1024	50
0214 G303021-022	X	1225	238*
0215 G303023-024	X	1065	35
0216 G303025	X	855	41
0217 G303026-028	X	410	50
0218 G303029-030	X	1418	140
0219 G303031	X	1114	107
0220 G303032-034	X	593	39
0221 G303035-037	7	1120	117
0222 G303038	X	597	21
0223 G303039-041	X	1.08%*	41
0224 G303042-044	X	1337	25
0225 G303045-047	X	801	17
0226 G303048-050	X	712	29
0227 G303051-052	X	685	88
0228 G303053-054	X	322	92
0229 G303055	X	1902	137
0230 G303056-057	X	880	38
0231 G303058-059	X	843	27
0232 G303060	X	532	26
0233 G303061	X	449	26
CHECKS			
0001 G302501-503	X	933	9
0002 G302557-559	X	743	15
0003 G302623	X	476	30
0004 G302689	X	897	46
0005 G302750-752	X	490	19

046 047 049 051 052 053 054 055

ANALYSIS

ELEMENTS	p75um	Au	Au-Rp1	As	Co	Cr	Cu	Fe	Ni	Pd
UNITS	%	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppb
DETECTION	0.01	1	1	0.5	0.1	2	1	0.01	1	10
METHOD	/QAgrind	B/MS	B/ETA	B/MS	B/MS	B/OES	B/OES	B/OES	B/OES	B/MS
CHECKS										
0006 G302817-819		X		16.2	4.6	63	18	1.77	6	X
0007 G302873-875		X		11.6	9.1	90	72	2.66	14	X
0008 G302939-941		X		X	82.3	27	243	14.99	118	X
0009 G303008-010		1		5.1	31.1	45	33	9.11	143	X
STANDARDS										
0001 PL-9		18		20.8	9.8	35	27	9.98	22	10
0002 SYN22		1551		406.2	38.3	294	104	4.72	104	X
0003 AE10		108		69.5	34.8	48	99	5.41	102	X
0004 BSL2		4		18.2	6.5	154	28	9.27	22	13
0005 CMM-02		54		48.0	9.7	91	82	8.47	24	35
0006 GLS14		346		71.8	8.1	109	49	1.00	48	X
0007 NGL-16		17		24.7	6.1	28	16	5.10	13	44
0008 PL-9		20		16.5	8.9	31	24	10.10	22	X
0009 SYN22		1470		394.9	38.8	318	92	4.01	102	X
BLANKS										
0001 Control Blank		X		X	X	X	X	X	X	X
0002 Control Blank		X		X	X	X	X	0.02	X	X
0003 Control Blank		X		X	X	X	X	0.01	X	X

ANALYSIS

ELEMENTS	Pt	S	Zn
UNITS	ppb	ppm	ppm
DETECTION	5	10	1
METHOD	B/MS	B/OES	B/OES
CHECKS			
0006 G302817-819	X	2517	12
0007 G302873-875	X	626	23
0008 G302939-941	X	683	41
0009 G303008-010	X	1040	66
STANDARDS			
0001 PL-9	X	340	29
0002 SYN22	X	343	92
0003 AE10	X	346	94
0004 BSL2	14	3956	27
0005 CMM-02	X	1408	28
0006 GLS14	X	145	50
0007 NGL-16	37	393	26
0008 PL-9	X	330	23
0009 SYN22	X	372	92
BLANKS			
0001 Control Blank	X	13	1
0002 Control Blank	X	17	X
0003 Control Blank	X	X	X

AMDEL Laboratories
Order No. PIRSA EX 3080
Job Number 2AD0011
Date received 7/01/2002
Date reported 1/02/2002

IDENT	Au	Au Dp1	Pt	Pt Dp1	Pd	Pd Dp1	Al2O3	CaO	Fe2O3	K2O	MgO
UNITS	ppb	ppb	ppb	ppb	ppb	ppb	%	%	%	%	%
SCHEME	FA3	FA3	FA3	FA3	FA3	FA3	IC4	IC4	IC4	IC4	IC4
DETECTION LIMIT	1	1	5	5	1	1	0.01	0.01	0.01	0.01	0.01
R487634	2	--	<5	--	<1	--	25.3	4.2	9.59	0.1	2.99
R487635	2	--	<5	--	<1	--	19.1	8.44	12	0.73	8.74
R487636	3	--	5	--	<1	--	20.4	5	14.5	0.28	6.52
R487637	3	--	<5	--	<1	--	16.2	4.85	12.8	0.23	7.21
R487638	2	--	<5	--	<1	--	17.3	3.27	18.2	0.24	4.27
R487639	3	--	<5	--	<1	--	17.3	9.91	7.15	0.2	8.01
R487640	2	--	<5	--	<1	--	27.4	2.05	6.31	0.18	2.19
R487641	2	--	<5	--	<1	--	23.8	4.26	14.8	0.21	5.21
R487642	2	--	<5	--	<1	--	29.1	1.31	9.05	0.09	0.94
R487643	<1	--	10	--	7	--	20.5	3.99	11.2	0.2	6.61
R487644	<1	--	<5	--	<1	--	28.5	2.22	8	0.08	2.18
R487645	<1	--	10	--	4	--	21.7	1.01	13.9	0.14	1.76
R487646	2	--	<5	--	<1	--	21.5	0.69	9.56	0.11	0.76
R487647	<1	--	<5	--	<1	--	20.7	3.56	14.2	0.17	4.22
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	2	--	<5	--	<1	--	17.2	8.73	16	0.33	9.17
R487650	5	--	<5	--	<1	--	16.9	5.4	16.3	0.21	6
R487651	<1	--	<5	--	<1	--	25.1	3.34	5.08	0.11	0.49
R487652	1	--	<5	--	<1	--	22.5	5.31	8.28	0.26	0.51
R487653	2	--	<5	--	<1	--	22.5	1.09	21	0.13	1.7
R487654	<1	--	<5	--	<1	--	29	1.08	8.71	0.13	2.17
R487655	2	--	<5	--	<1	--	13.5	0.93	16.9	0.16	2.29
R487656	<1	--	<5	--	<1	--	25.5	2.88	9.94	0.15	3.18
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	5	4	<5	<5	<1	2	25.7	1.5	15.2	0.09	2.23
R487660	1	--	<5	--	2	--	15.2	1.89	19.1	0.17	2.38
R487661	1	--	<5	--	<1	--	23.1	4.54	5.38	1.08	0.77

AMDEL Laboratories
Order No. PIRSA EX
Job Number 2AD0011
Date received 7/01/20
Date reported 1/02/20

IDENT	MnO	Na2O	P2O5	SiO2	TiO2	Cr	Sc	V	Ba	Be	Hf
UNITS	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	IC4	IC4	IC4	IC4	IC4	IC4	IC4	IC4	IC4M	IC4M	IC4M
DETECTION LIMIT	0.01	0.01	0.01	0.01	0.005	20	5	20	10	0.5	1
R487634	0.04	0.59	<0.01	42.9	0.465	90	75	240	130	0.5	<1
R487635	0.12	2.21	0.02	41.6	1.3	120	45	380	200	<0.5	<1
R487636	0.09	1.25	<0.01	41.7	1.19	170	55	360	135	0.5	<1
R487637	0.15	2.04	0.02	45.1	0.675	90	25	280	70	0.5	<1
R487638	0.06	1.01	0.04	44.6	1.66	90	45	600	130	0.5	<1
R487639	0.08	1.31	<0.01	35	0.91	80	30	200	80	0.5	<1
R487640	0.02	0.8	<0.01	45.7	0.64	140	25	190	110	<0.5	<1
R487641	0.05	1.32	0.02	38.4	1.63	30	50	490	150	<0.5	<1
R487642	0.03	0.82	<0.01	42.5	0.65	<20	15	280	115	<0.5	<1
R487643	0.08	1.12	<0.01	43.8	0.76	140	60	220	100	<0.5	<1
R487644	0.04	0.57	<0.01	43.8	0.375	110	25	170	65	<0.5	<1
R487645	0.05	0.59	0.03	45.3	0.43	150	35	230	110	<0.5	<1
R487646	0.02	0.4	<0.01	54.2	0.48	70	20	220	80	<0.5	1
R487647	0.08	0.79	<0.01	44.5	0.66	170	30	260	105	0.5	<1
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	0.19	2.07	0.03	39.7	1.58	160	35	460	165	0.5	<1
R487650	0.1	1.5	0.03	40.7	1.45	<20	35	420	105	<0.5	<1
R487651	0.02	2.28	0.11	52.9	1.18	30	25	260	270	1	1
R487652	0.2	3.98	0.4	50.1	0.705	40	10	80	320	1.5	4
R487653	0.05	0.73	0.01	36.7	1.42	<20	40	410	600	1	<1
R487654	0.03	0.66	0.01	42.4	0.535	80	25	130	175	<0.5	<1
R487655	0.05	0.59	0.02	53.2	1.18	150	30	700	700	<0.5	<1
R487656	0.05	0.79	<0.01	44.2	0.295	90	20	180	115	0.5	<1
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	0.05	0.58	<0.01	38.6	0.545	20	25	370	130	0.5	<1
R487660	0.06	0.56	0.02	47.2	0.37	1050	45	160	210	0.5	1
R487661	0.03	2.73	0.3	53.7	0.92	40	20	210	850	1.5	2

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IDENT	Nb	Rb	Sn	Sr	Ta	W	Zr	LOI	Ag	As	Co
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
SCHEME	IC4M	IC4M	IC4M	IC4M	IC4M	IC4M	IC4M	GRAV7	IC3E	IC3E	IC3E
DETECTION LIMIT	10	0.5	10	5	2	3	15	0.01A	1	3	2
R487634	<10	2	<10	180	<2	8	20	12.8	<1	<3	54
R487635	<10	33	<10	800	<2	26	20	5.14	<1	<3	59
R487636	<10	11	<10	230	<2	20	20	9.12	<1	4	55
R487637	<10	5.5	<10	1100	<2	10	20	10.9	<1	8	60
R487638	<10	6	<10	145	<2	6	30	9.65	<1	<3	42
R487639	<10	3	<10	240	<2	6	<15	20.4	<1	4	42
R487640	<10	10	<10	145	<2	4	20	14.1	<1	<3	19
R487641	<10	9	<10	250	<2	4	20	10.2	<1	<3	51
R487642	<10	2	<10	165	<2	4	<15	14.9	<1	<3	15
R487643	<10	5.5	<10	140	<2	4	20	10.9	<1	4	42
R487644	<10	3	<10	190	<2	4	<15	13.9	<1	6	17
R487645	<10	4	<10	65	<2	4	20	14.2	<1	6	35
R487646	<10	5.5	<10	75	<2	4	40	12.4	<1	10	11
R487647	<10	11	<10	230	<2	4	20	11	<1	8	93
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	<10	3.5	<10	600	<2	4	20	3.64	<1	<3	115
R487650	<10	3.5	<10	230	<2	4	30	11.3	<1	<3	63
R487651	<10	3	<10	750	<2	4	50	8.86	<1	<3	4
R487652	<10	2.5	<10	800	<2	4	200	7.39	<1	<3	25
R487653	<10	10.5	<10	85	<2	<3	20	14	<1	<3	59
R487654	<10	5.5	<10	105	<2	4	20	15.5	<1	<3	48
R487655	<10	4.5	<10	35	<2	4	50	10.8	<1	<3	77
R487656	<10	3.5	<10	260	<2	<3	20	12.6	<1	8	64
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	<10	10	<10	95	<2	<3	<15	13.9	<1	4	54
R487660	<10	5.5	<10	30	<2	4	40	12.7	<1	6	57
R487661	<10	33	<10	950	<2	4	80	6.47	<1	6	38

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IDENT	Cu	Ni	S	Zn	Bi	Cd	Ce	Cs	Ga	In	La
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M
DETECTION LIMIT	2	2	50	2	0.1	0.1	0.5	0.1	0.1	0.05	0.5
R487634	270	150	450	53	<0.1	<0.1	7	0.3	19.5	0.05	1.5
R487635	170	95	100	115	<0.1	<0.1	6	6	21.5	0.05	2.5
R487636	175	120	400	77	<0.1	<0.1	5.5	1.9	23.5	0.05	2.5
R487637	71	100	150	89	<0.1	0.2	5.5	6	24	<0.05	2.5
R487638	270	53	450	63	<0.1	<0.1	4.5	1	29	<0.05	2
R487639	87	74	200	83	<0.1	0.7	4	0.6	18.5	<0.05	2
R487640	95	29	600	62	<0.1	<0.1	2	0.8	23	<0.05	1.5
R487641	155	51	650	105	<0.1	<0.1	6	2.4	23	0.1	2
R487642	170	36	900	36	0.1	<0.1	1.5	0.6	24.5	<0.05	0.5
R487643	120	145	400	79	<0.1	<0.1	8.5	0.8	19.5	0.05	3.5
R487644	40	37	450	42	<0.1	<0.1	1.5	1.2	20	<0.05	1
R487645	130	85	450	45	<0.1	<0.1	4	0.7	20.5	<0.05	2
R487646	57	17	600	43	<0.1	<0.1	2	0.8	22	<0.05	2
R487647	60	155	450	100	<0.1	<0.1	18.5	1	20	<0.05	4
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	180	230	200	130	<0.1	0.1	7.5	0.5	23	<0.05	5.5
R487650	175	42	250	150	<0.1	<0.1	7	0.6	23	0.05	5
R487651	33	6	400	69	0.1	<0.1	38	0.7	34	<0.05	26.5
R487652	13	21	150	170	<0.1	0.2	35.5	0.3	30.5	<0.05	21.5
R487653	190	37	650	86	<0.1	<0.1	26	0.5	26	0.1	5.5
R487654	60	105	700	36	<0.1	<0.1	11.5	0.5	15.5	0.05	2.5
R487655	135	120	800	175	<0.1	<0.1	4	0.6	25	<0.05	2.5
R487656	110	115	500	58	<0.1	<0.1	10	0.2	21	<0.05	3
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	190	99	650	63	0.1	<0.1	9	0.7	22.5	<0.05	2
R487660	110	270	1100	135	<0.1	<0.1	8.5	0.7	14.5	<0.05	4.5
R487661	350	40	1800	190	0.3	0.4	68	2.2	37.5	0.05	35.5

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IDENT	Mo	Sb	Se	Te	Th	Tl	U	Pb	Y	Dy	Er
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3M	IC3R	IC3R
DETECTION LIMIT	0.1	0.5	0.5	0.2	0.02	0.1	0.02	0.5	0.05	0.02	0.05
R487634	0.3	<0.5	<0.5	<0.2	0.35	<0.1	0.92	3	2.8	0.97	0.5
R487635	0.2	<0.5	<0.5	<0.2	0.14	0.2	0.04	12	7.5	1.75	0.95
R487636	0.2	<0.5	<0.5	<0.2	0.13	<0.1	0.66	3.5	7	1.5	0.9
R487637	0.2	<0.5	<0.5	<0.2	0.22	<0.1	0.06	4	3.6	0.78	0.4
R487638	0.4	<0.5	<0.5	<0.2	0.47	<0.1	0.66	3.5	4.9	1.15	0.55
R487639	0.1	<0.5	<0.5	<0.2	0.2	<0.1	0.06	1.5	7	1.3	0.75
R487640	0.2	<0.5	<0.5	<0.2	0.31	<0.1	0.46	2.5	1.9	0.62	0.35
R487641	0.2	<0.5	<0.5	<0.2	0.08	<0.1	1.1	3	5	1.4	0.8
R487642	<0.1	<0.5	<0.5	0.2	0.06	<0.1	0.27	3.5	0.75	0.24	0.15
R487643	0.1	<0.5	<0.5	<0.2	0.11	<0.1	0.35	4	5.5	1.65	0.95
R487644	0.2	<0.5	<0.5	<0.2	0.1	<0.1	0.24	2	1.15	0.38	0.25
R487645	0.2	<0.5	<0.5	<0.2	0.73	0.1	0.3	2.5	2.5	0.78	0.4
R487646	0.4	<0.5	<0.5	<0.2	1.05	0.1	0.52	4.5	1.05	0.27	0.15
R487647	0.2	<0.5	<0.5	<0.2	0.24	<0.1	1	4.5	5.5	1.9	1
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	0.1	<0.5	<0.5	<0.2	0.09	<0.1	0.04	1.5	29	3.5	2
R487650	0.3	<0.5	<0.5	<0.2	0.24	<0.1	0.1	2	19.5	3.2	1.85
R487651	0.2	<0.5	<0.5	<0.2	0.37	<0.1	1.75	68	1.7	0.82	0.35
R487652	0.2	<0.5	<0.5	<0.2	0.19	<0.1	0.09	6	9	2.4	1.4
R487653	<0.1	<0.5	<0.5	<0.2	0.05	<0.1	1.35	6.5	10	2.5	1.4
R487654	0.3	<0.5	<0.5	<0.2	0.2	<0.1	2.7	5.5	2.4	0.72	0.45
R487655	0.3	<0.5	0.5	<0.2	0.48	<0.1	0.94	4	2.7	0.77	0.45
R487656	0.2	<0.5	<0.5	<0.2	0.23	<0.1	0.48	2	3.1	0.86	0.55
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	<0.1	<0.5	<0.5	<0.2	0.06	<0.1	0.68	3.5	3.6	1	0.6
R487660	0.3	<0.5	<0.5	<0.2	0.92	<0.1	0.73	28.5	9.5	1.7	0.95
R487661	0.6	<0.5	<0.5	<0.2	2.4	0.2	0.96	25.5	26	6	3.7

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IDENT	Eu	Gd	Ho	Lu	Nd	Pr	Sm	Tb	Tm	Yb
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SCHEME	IC3R	IC3R	IC3R	IC3R	IC3R	IC3R	IC3R	IC3R	IC3R	IC3R
DETECTION LIMIT	0.02	0.05	0.02	0.02	0.02	0.05	0.02	0.02	0.05	0.05
R487634	0.38	0.5	0.17	0.05	3.3	0.7	1.05	0.16	0.05	0.4
R487635	0.93	1.05	0.3	0.09	7.5	1.3	2.3	0.29	0.1	0.7
R487636	0.67	0.9	0.3	0.1	6.5	1.25	2	0.27	0.1	0.65
R487637	0.45	0.5	0.13	0.05	3.7	0.8	1	0.12	0.05	0.35
R487638	0.49	0.65	0.2	0.06	4.6	0.85	1.45	0.18	0.05	0.45
R487639	0.61	0.75	0.24	0.08	5	0.9	1.55	0.2	0.1	0.5
R487640	0.27	0.35	0.11	0.04	2.6	0.5	0.76	0.11	<0.05	0.25
R487641	0.68	0.8	0.26	0.08	6	1	1.85	0.24	0.1	0.55
R487642	0.14	0.1	0.04	0.02	1.2	0.2	0.34	0.04	<0.05	0.1
R487643	0.83	1	0.3	0.1	8.5	1.7	2.3	0.28	0.1	0.65
R487644	0.19	0.25	0.06	0.03	1.6	0.3	0.51	0.05	<0.05	0.2
R487645	0.35	0.4	0.14	0.05	3.1	0.7	0.87	0.12	<0.05	0.4
R487646	0.14	0.15	0.05	0.02	1.5	0.35	0.38	0.04	<0.05	0.2
R487647	0.77	0.95	0.34	0.15	8	1.65	2.2	0.27	0.15	0.95
R487648	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487649	1.35	2.1	0.67	0.18	13	2.2	3.6	0.58	0.2	1.25
R487650	1.2	1.85	0.62	0.17	11.5	2	3.4	0.5	0.2	1.25
R487651	0.8	0.8	0.13	0.04	13.5	4.3	2.4	0.15	<0.05	0.25
R487652	1.9	1.7	0.48	0.17	21	4.9	4.2	0.44	0.15	1
R487653	0.81	1.3	0.45	0.18	8.5	1.75	2.5	0.36	0.2	1.3
R487654	0.24	0.4	0.14	0.06	2.6	0.6	0.79	0.11	0.05	0.45
R487655	0.38	0.45	0.13	0.06	3.4	0.75	1.05	0.12	0.05	0.35
R487656	0.4	0.45	0.16	0.06	3.4	0.75	0.86	0.13	0.05	0.5
R487657	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487658	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
R487659	0.36	0.45	0.17	0.07	3.2	0.6	0.92	0.13	0.1	0.5
R487660	0.75	1.1	0.31	0.11	7	1.45	2.1	0.28	0.1	0.7
R487661	3	4.1	1.15	0.48	39	8.5	8.5	0.98	0.45	3.1

Appendix 6

Petrographic Report

MINERALOGICAL REPORT No. 8178

by Alan C. Purvis, PhD.

February 12th, 2002

TO : Mr Gary Ferris
PIRSA (Geological Survey Branch)
101 Grenfell St
ADELAIDE SA 5000

YOUR REFERENCE : EX 3078

MATERIAL : Drill core and drill chip samples,
Yumbarra Magnetic Anomaly

IDENTIFICATION : R487634 to R487661

WORK REQUESTED : Section preparation, description and report with comments and interpretations as specified, including comment on geochemistry provided.

SAMPLES & SECTIONS : Returned to you with this report.

DIGITAL COPY : Enclosed with hard copy of this report.

PONTIFEX & ASSOCIATES PTY. LTD.

SUMMARY COMMENTS

Twenty-six core and chip samples from drill holes into the Yumbarra magnetic anomaly, northwest of Ceduna in the Gawler Craton, South Australia are described in this report using normal thin sections. Some samples were encapsulated in epoxy and/or extensively impregnated before being made into thin sections, due to extensive weathering. Even so, some primary mineralogy is preserved in most sections, but the abundance of kaolin alteration products will, to a considerable extent, prohibit meaningful interpretation of the geochemical data provided, as discussed at the end of the Summary Comments below.

Lithologies Represented

The petrography indicates that these samples represent cumulate mafic and ultramafic rocks. The composition of the samples is listed in Table 1, with visually estimated mineralogies also listed in Table 2.

Three figures are presented, illustrating mineralogical variation through the suite. Fig. 1 shows compositional plots and corresponding rock types for samples with less than 40% hornblende. Samples with 40% or more of hornblende are illustrated in Fig. 2. Note that in Fig. 1, olivine and orthopyroxene have been added together, so that the norite field also includes some troctolites. Fig. 3 shows variation in visually estimated mineralogy across the whole suite. Abbreviations are: Plag = plagioclase; Cpx = clinopyroxene; Opx = orthopyroxene; Ol = olivine and Hb = hornblende. The oxides include magnetite, ilmenite and spinel, with possible högbomite in two samples.

The rocks vary from hornblende-poor to hornblende-rich and from ultramafic (plagioclase-poor) to plagioclase-rich. Clinopyroxene, orthopyroxene (hypersthene) and largely altered olivine are widespread, with orthopyroxene-magnetite symplectites formed by the oxidation of olivine and hornblende-spinel symplectites formed from olivine-plagioclase reactions. The hornblende-spinel symplectites suggest pressures possibly in excess of 500-700MPa (5-7 kilobars). Apatite is rare, being present in only one sample (YBAC036), and one sample (YBAC053) has biotite and quartz, as well as plagioclase with patchy zoning. This sample (YBAC053) could represent a magma of its own composition, rather than being a cumulate, but this is not certain. The lithologies present are also listed below:

Gabbro: YBAC013 (metamorphosed)

Gabbronorite (hypersthene gabbro and augite norite): YBAC011, 021, 025, 030, 036, 053

Olivine Gabbro: YBAC001

Olivine Norite: YBAC043

Norite: YBAC026, 041

Troctolite: YBAC028, 031, 040

Ultramafic rocks, hornblende-poor: YBAC038 (olivine-poor harzburgite), 039 (bronzitite), 042 (peridotite), 051 (pyroxenite)

Hornblende-rich cumulates: YBAC002*, 015, 018, 019*, 023, 028 (dyke), 032*, 033, 037, (* hornblendites)

Distribution of the Lithologies

Attempts to follow layers across lines of drilling, using the distribution of drillholes on a map supplied by PIRSA, was not successful, due to extreme variation in mineralogy, apparently reflecting small-scale phase-layering. A weak indication of ENE to (mainly) NE-trending layers is suggested however by drillholes with hornblende-rich, hornblende-poor, olivine-rich and olivine-poor lithologies. Variation in the abundance of opaque oxide, from <1% to about 8%, indicates that a ground-magnetic survey may trace any layering which may be present, better than petrography on the samples examined for this report. It is recommended that this attempted plot is discussed personally with Gary Ferris.

Metamorphism and sulphides

One sample (R487637) has been metamorphosed to amphibole, epidote and chlorite, with metamorphic amphibole also in R487658. These two samples suggest greenschist-facies metamorphism, but the brown hornblende found in various proportions throughout suggests variably anhydrous to hydrous magmas, and seems to be of late magmatic origin. The abundance of green spinel is unusual, as is the rare presence of possible högbomite, suggesting slight oxidation in slightly silica-deficient rocks (with spinel also suggesting a deficiency in silica). The formula of högbomite is uncertain, although many analyses correspond to a formula $[(Fe,Mg,Mn,Zn)_4(Al_2,Fe_2,Fe\{Ti,Sn\})_2Al_{14}O_{30}(OH)_2]$. This species is characterised by extreme compositional variation, and presumably by variations in stability relationships, but the common presence of ferric iron and water suggest oxidation at

temperatures possibly in the range 500-700°C. In this suite, högbomite occurs with magnetite and spinel in hornblende-rich rocks.

The weathering seen in these samples means that there is no evidence of former sulphide, so that prospectivity for sulphides (Ni, PGE, etc) is uncertain without further sampling.

Geochemistry

Geochemical data was supplied for twenty-five samples. These data emphasise the extensive weathering in most of the sample described, with loss of alkalis and calcium, possibly also magnesium, and possibly enrichment in iron. All but three samples have aluminium (in kaolin) in excess of that required to form feldspar from Ca, Na and K, with sufficient aluminium and silica to form as much as 65% kaolin in some of these samples. The few samples with normative clinopyroxene also have normative olivine ± nepheline, rather than quartz, corundum and orthopyroxene as seen in the kaolinised samples.

There seems to be very little relationship between the geochemistry and the petrology as seen in thin section, with much more abundant aluminous minerals (feldspars + kaolin) in the norm than in the mode, especially in hornblende and pyroxene-rich rocks. It seems likely that the analysed chips are richer in kaolin than the chips chosen for sectioning, and appear to have been originally richer in feldspar. The analysed chips from the abundant weathered samples have from 10 and 66% potential kaolin, commonly with silica in excess of that required to form kaolin, but not seen in thin section. Although the amount of normative quartz calculated is partly dependent on the amount of ferric iron assigned to these samples, it is unlikely that a lower, but still realistic estimate of ferric iron would eliminate excess silica from many of these samples. In some samples, some of the chemistry is consistent with the petrography. For example, in R487660, the high Cr (~1,000ppm) is consistent with the abundance of clinopyroxene seen in thin section, and the ultramafic classification of this sample, but none of the other chemical data for this sample are consistent with the petrography.

A spidergram was calculated, normalised against the primitive mantle values of Sun and McDonough (1988), for the average of the twenty-five analyses provided, see Fig 4. These data show positive anomalies for Cs, Ba, Pb, Sr and V, suggesting plagioclase and oxide accumulation from a mafic melt with some possible subduction-related characters (Cs, Ba and Pb anomalies). The average value is slightly enriched in light REE, but the REE patterns have certain laboratory-generated anomalies. Gd is about 50% of its predicted value, and

there is no known geochemical reason for this to be true. Ho and Y are also lower than expected, given the other REE determined. There is no obvious Eu anomaly, despite anomalous Sr, but this suggests an oxidised magma, with Eu as Eu^{3+}, the oxidation again suggesting modification by subduction. Cu (not plotted) is slightly elevated compared to Zn, and this may be again related to subduction, with a suggestion of relatively late sulphur saturation allowing for the possibility late-generated sulphide accumulations, as seen in some other layered intrusions (e.g. Carr-Boyd Rocks, Western Australia).

NB: Determination of Nb with a detection limit of 10ppm is a waste of time for most samples and should be discontinued. Unless Nb is determined (by ICPMS) with a detection limit of no more than 1ppm it will not be useful in petrogenetic studies.

TABLE 1: SAMPLES FROM YUMBURRA, DESCRIBED IN REPORT NO. 8178

R-No	Drillhole and depth		Lithology
R487634	YBAC001	17m	Altered olivine-bearing gabbro with hornblende, orthopyroxene and rare opaque oxide.
R487635	YBAC002	30m	Feldspathic hornblendite with altered magnetite and ilmenite.
R487636	YBAC011	13m	Plagioclase-clinopyroxene-orthopyroxene-olivine-magnetite cumulate (gabbronorite) with postcumulus hornblende
R487637	YBAC013	33m	Metagabbro (actinolite-epidote-chlorite-leucoxene) with chlorite-epidote veins and minor quartz.
R487638	YBAC015	7-8m	Altered hornblende-rich mafic with orthopyroxene, opaque oxide and olivine: altered to serpentine/chlorite.
R487639			Not submitted
R487640	YBAC018	9-10m	Plagioclase-cumulate with pale brown hornblende and minor opaque oxide.
R487641	YBAC019	EOH	Hornblendite with mostly altered plagioclase and magnetite-ilmenite-spinel-högbomite aggregates.
R487642	YBAC021	EOH	Hypersthene gabbro (plagioclase-orthopyroxene-clinopyroxene-cumulate) with postcumulus hornblende and minor oxide (magnetite > ilmenite > spinel).
R487643	YBAC023	23m	Partly altered hornblende-rich cumulate with altered cumulus plagioclase and largely fresh orthopyroxene. Minor oxide and clinopyroxene and clay veins ± limonite
R487644	YBAC025	17m	Plagioclase-rich augite norite with minor hornblende and opaque oxide (magnetite > ilmenite).
R487645	YBAC026	13m	Weathered plagioclase-rich norite with minor opaque oxide and clay-filled veins.
R487646	YBAC028	21m	Granular hornblende-rich 'beerbachite' dyke cutting plagioclase-olivine cumulate with minor to abundant postcumulus hornblende (hornblende troctolite) and minor opaque oxide (magnetite > spinel). Alteration to clay ± limonite is widespread.
R487647	YBAC030	22m	Weathered gabbronorite with minor hornblende and opaque oxide.
R487648	YBAC031	EOH	Altered plagioclase-olivine-cumulate (troctolite) with orthopyroxene, hornblende, magnetite and spinel.

TABLE 1: *CONTINUED*

R-No	Drillhole and depth		Lithology
R487649	YBAC032	EOH	Feldspathic hornblendite with magnetite-spinel aggregates.
R487650	YBAC033	EOH	Hornblende-plagioclase-magnetite rock (‘gabbro’ or ‘bojite’)
R487651			Not submitted
R487652	YBAC036	EOH	Plagioclase-rich gabbronorite with altered pyroxene (clay + carbonate), hornblende, opaque oxide and apatite.
R487653	YBAC037	EOH	Hornblende gabbro/bojite with magnetite-ilmenite-spinel aggregates and possible högbomite.
R487654	YBAC038	EOH	Feldspathic olivine-poor hornblende-harzburgite with magnetite and spinel: partly altered.
R487655	YBAC039	EOH	Hornblende-bearing feldspathic bronzitite with minor clinopyroxene and opaque oxide: partly altered to clay, limonite and opal, with limonite-lined fractures.
R487656	YBAC040	EOH	Altered troctolite with orthopyroxene ± magnetite, hornblende ± spinel and magnetite-spinel aggregates.
R487657	YBAC041	33-34m	Altered plagioclase-rich norite with hornblende, clays and limonite, poor in opaque oxide.
R487658	YBAC042	EOH	Tremolite-serpentine-clay-limonite-altered peridotite (olivine cumulate) with minor spinel and serpentine-oxide veins.
R487659	YBAC043	EOH	Altered plagioclase-rich olivine norite with magnetite and spinel: clays and limonite are abundant.
R487660	YBAC051	EOH	Weathered clinopyroxenite with hornblende and orthopyroxene.
R487661	YBAC053	EOH	Probable gabbronorite with altered pyroxene, minor biotite and rare late magmatic quartz.

TABLE 2: VISUALLY ESTIMATED MINERALOGIES OF SAMPLES FROM YUMBURRA, RECALCULATED TO SUM TO 100%

	Plag	Cpx	Opx	Ol	Hb	Oxide	
R487634	59	34	1	3	2	1	100
R487635	25				70	5	100
R487636	30	25	10	3	27	5	100
R487637		metamorphosed					
R487638	42.5		10	2.5	40	5	100
R487639		not submitted					
R487640	71.5				27	1.5	100
R487641	10				82	8	100
R487642	55	12	8		20	5	100
R487643	25	0.5	11		63	0.5	100
R487644	67	12	15		3	3	100
R487645	75		20		2.5	2.5	100
R487646	52	5			40	3	100
R487646	25		3	7	63	2	100
R487646	73	3		10	12	2	100
R487647	67	25			5	3	100
R487648	65		2	10	22	1	100
R487649	20				75	5	100
R487650	27				70	3	100
R487651		not submitted					
R487652	75	17			5	3	100
R487653	40				52	8	100
R487654	20		47	15	15	3	100
R487655	20	8	50		18	4	100
R487656	55		5	20	17	3	100
R487657	75		20		3	2	100
R487658	5	20	12	60		3	100
R487659	75		13	7	2	3	100
R487660		85	3		12		100
R487661*	65	14	14			5	100*
*biotite	2%	quartz	<1%				

FIG 1

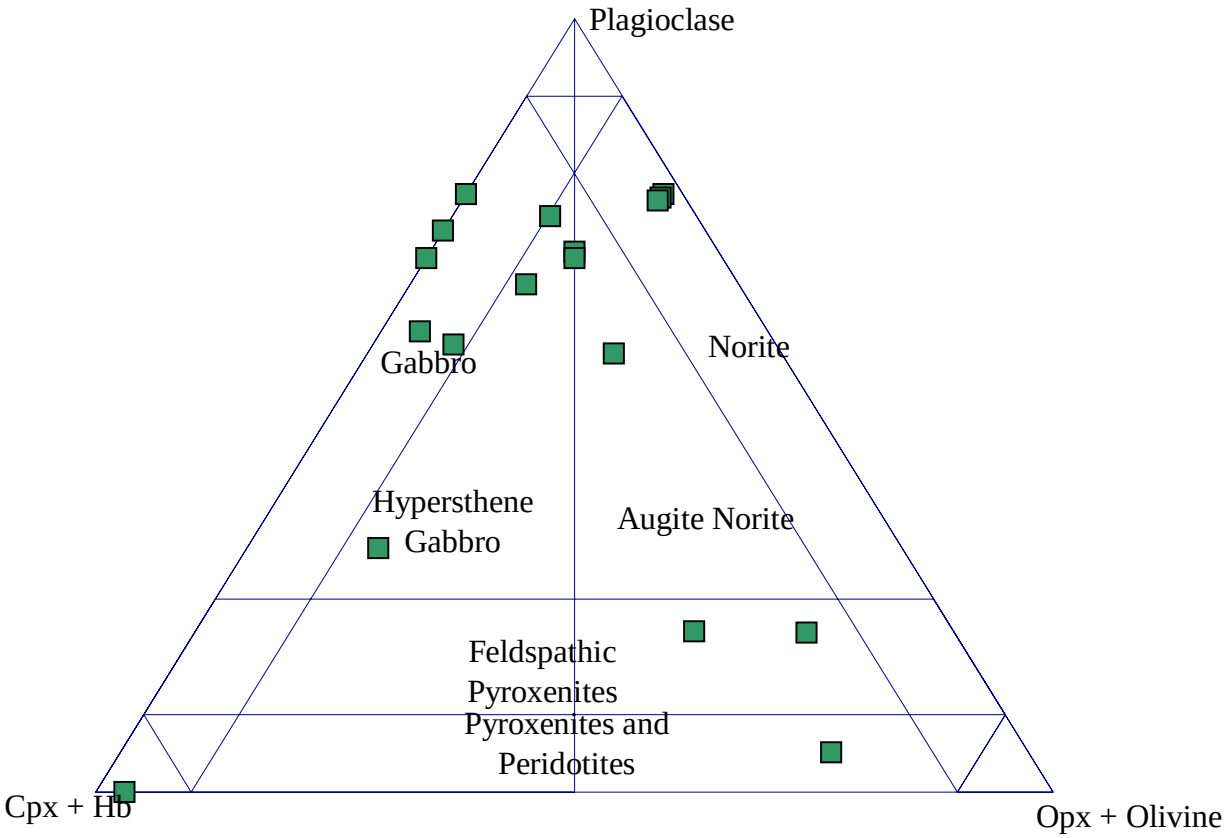

Plagioclase
Gabbro
Norite
Hypersthene
Gabbro
Augite Norite
Feldspathic
Pyroxenites
Pyroxenites and
Peridotites
Cpx + Hb
Opx + Olivine

FIG 2

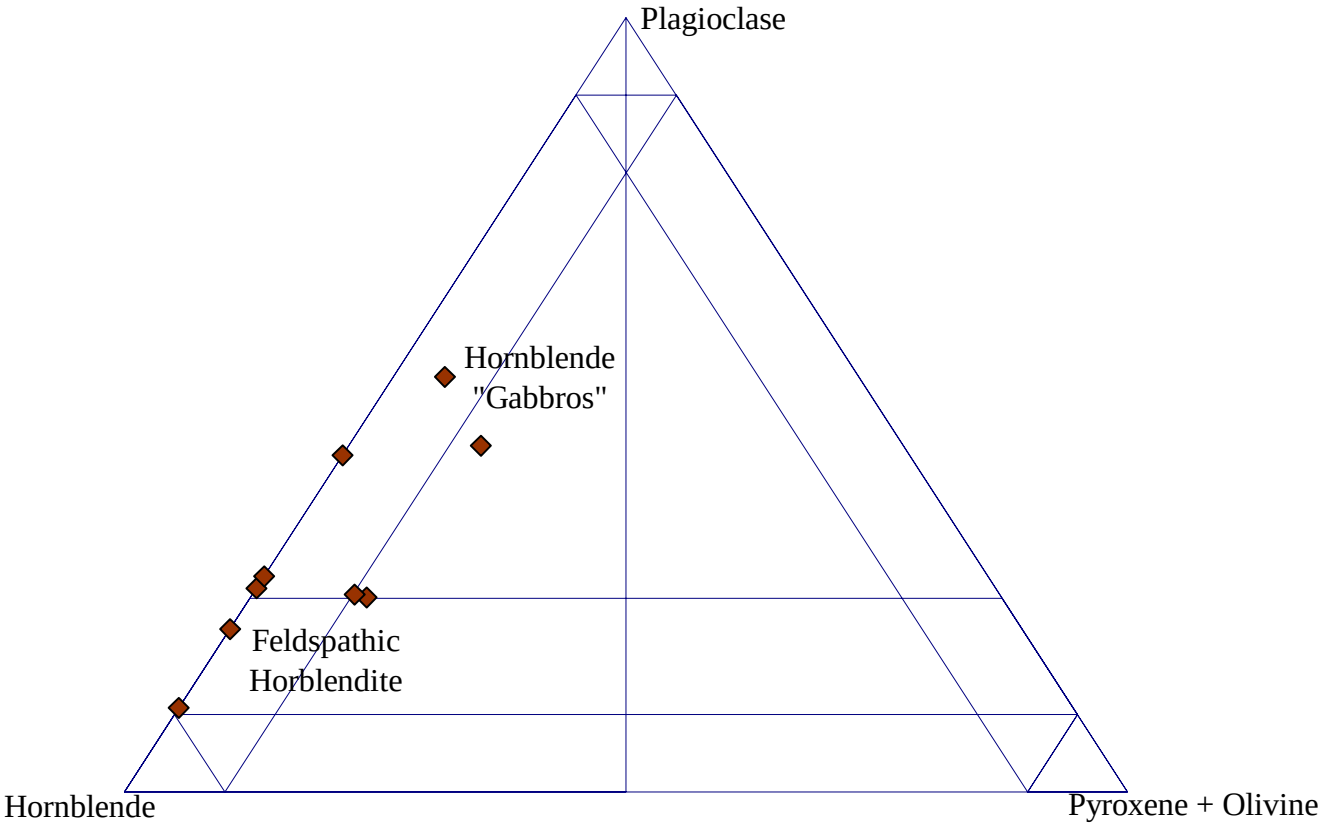
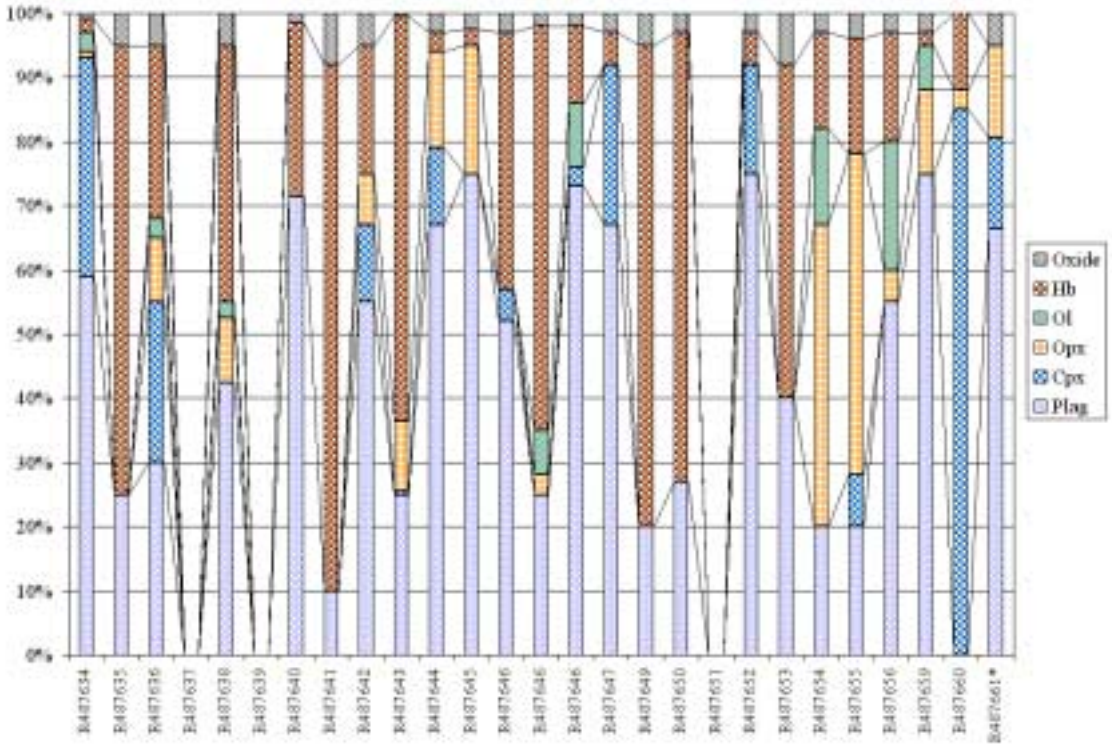

Plagioclase
Hornblende
"Gabbros"
Feldspathic
Horblendite
Hornblende
Pyroxene + Olivine

FIG 3



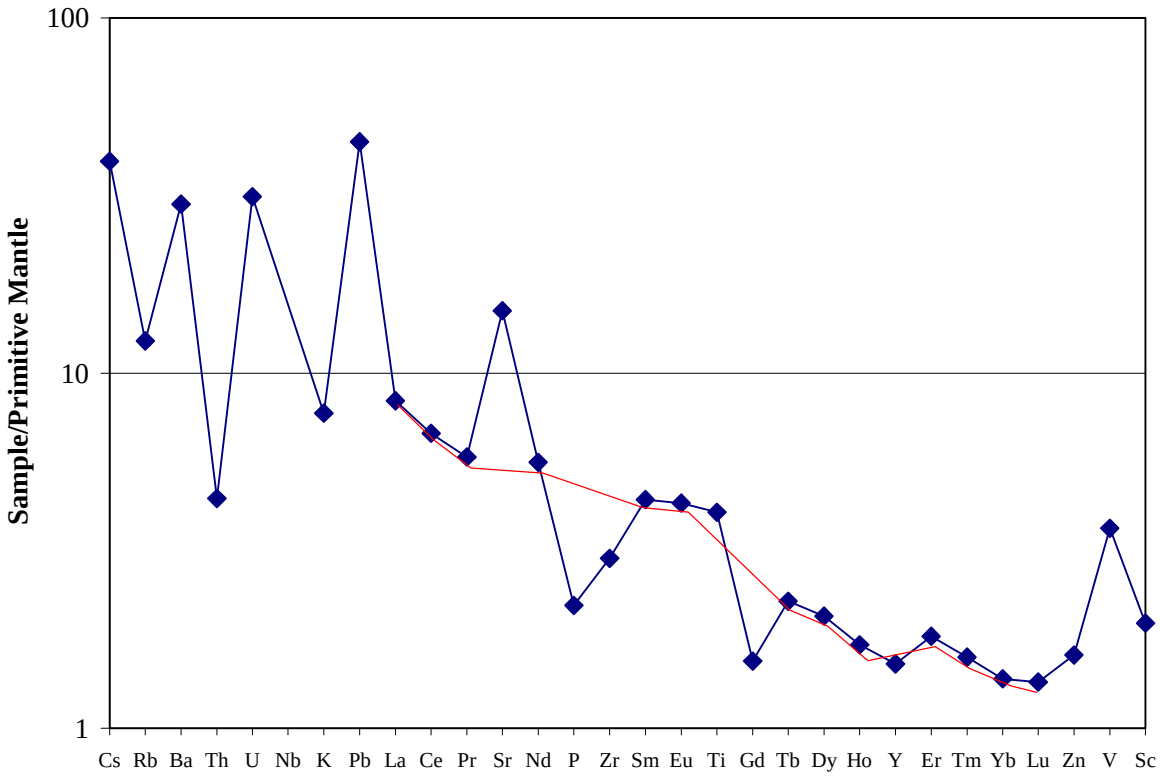


FIG 4: MANTLE-NORMALISED SPIDERGRAM, AVERAGE OF 25 ANALYSES, REPORT NO. 8178

INDIVIDUAL DESCRIPTIONS

R487634 **Altered olivine-bearing gabbro with hornblende,**
YBAC001, 17m **orthopyroxene and rare opaque oxide.**

Granular calcic plagioclase (~60%) dominates this sample as a mosaic to 3mm in grainsize. Granular clinopyroxene is less abundant (~35%) than plagioclase and mostly less than 1mm in grainsize. Yellow clays and brown limonite-stained smectites have replaced minor olivine (~3%), to 2mm in grainsize, with rims of orthopyroxene (<1%) and/or pale brownish green hornblende. Some similar hornblende (2%) also occurs intermittently as rims on clinopyroxene. Opaque oxide is rare (<1%), but rare orthopyroxene-magnetite symplectites occur, apparently derived from olivine. A vein of serpentine and smectite is present, about 1mm wide, with lenses of smectite in a serpentine matrix.

R487635 **Feldspathic hornblendite with altered magnetite and**
YBAC002, 30m **ilmenite.**

Brown hornblende (~70%) dominates this sample as grains from 2 to 20mm long and as much as 10mm wide. About 25% interstitial plagioclase has been altered to aggregates of albite and epidote, or of epidote and/or chlorite, or of sericite with minor epidote, to 8mm long. Very minor epidote also occurs in some of the hornblende grains. About 5% opaque oxide occurs in patches to 3mm in diameter. The magnetite has been veined by chlorite and the ilmenite has been partly altered to leucoxene. This is classified as an oxide-bearing feldspathic hornblendite.

R487636 **Plagioclase-clinopyroxene-orthopyroxene-olivine-magnetite cumulate (gabbronorite) with postcumulus hornblende.**
YBAC011, 13m

Large poikilitic grains of brown hornblende, as much as 30 x 25mm, form a cement in this sample (25-30%), enclosing abundant randomly disseminated grains of clinopyroxene (25%), plagioclase (30%), orthopyroxene (10%) and altered olivine (3%). Minor opaque oxide (5%) is also present. The plagioclase occurs as grains to 4mm long with small lenses and aggregates of clays, including sericite and possible ferristilpnomelane. The clinopyroxene has a similar grainsize but is mostly fresh, although both the plagioclase and hornblende have irregular grain boundaries, suggesting replacement by hornblende. Some of the minor orthopyroxene is granular and apparently primary, again with some suggestions of replacement by hornblende, but about half of the orthopyroxene occurs as symplectites with magnetite, apparently derived from olivine. Patches of talc and of smectite ± limonite also occur, and may represent olivine that was not altered to orthopyroxene and magnetite. Primary granular magnetite is also disseminated as anhedral grains to 1.5mm long, commonly composite with translucent green spinel, to 0.4mm in grainsize.

R487637 **Metagabbro (actinolite-epidote-chlorite-leucoxene) with**
YBAC013, 33m **chlorite-epidote veins and minor quartz.**

This sample is a low-grade metagabbro and has large areas rich in massive or schistose actinolite (45-50%). There are also areas, to 7mm in diameter, which contain or consist of granular epidote (25-30%), and other similar areas with abundant decussate serpentine-like chlorite (20%) rather than epidote. Minor quartz (2-3%) is disseminated or in veins, and one chip has a vein or shear with zones of weakly schistose chlorite, mostly rimmed by smectite, lenses of epidote and minor quartz, disseminated and in lenses. Rare oxide (2-3%) has been altered to leucoxene ± limonite and is partly fine-grained and partly in aggregates to 0.6mm in diameter.

R487638 **Altered hornblende-rich mafic with orthopyroxene,**
YBAC015, 7-8m **opaque oxide and olivine: altered to serpentine/chlorite.**

The fresher parts of this thin section have aggregates of granular pale brown hornblende to 10mm in grainsize, but in the rest of the rock hornblende has been largely replaced by serpentine with lamellae of leucoxene and limonite. There was possibly 40% hornblende in the original rock. Abundant (~40-45%) probable plagioclase, as grains to 4mm long, has been altered to a mixture of isotropic and weakly anisotropic chlorite or serpentine. Some of the serpentine (~10%?) may also be derived from granular or prismatic orthopyroxene to 3mm in grainsize. There are also serpentine pseudomorphs of probable orthopyroxene with symplectites of magnetite, partly oxidised to limonite, to 1.5mm long. Lenses of smectite enclosed in hornblende may also have replaced olivine, with 2-3% olivine formerly present. Granular opaque oxide is also common (5%) and as much as 3mm in grainsize. In low angle incident light this seems to be mostly titanomagnetite, with lamellae of ilmenite. Some separate grains of ilmenite can be identified in low angle incident light, but are not abundant.

R487640 **Plagioclase-cumulate with pale brown hornblende and**
YBAC018, 9-10m **minor opaque oxide.**

This is a comparatively simple lithology with 25-30% pale brown hornblende to 5mm in grainsize and altered plagioclase. The plagioclase (70-75%) has been altered to largely isotropic probable clay, with some weakly anisotropic patches, but only rare very small patches of fresh plagioclase remain. Small lenses of possible sericite are also present, and there is very minor (1-2%) opaque oxide from 0.2 to 1.5mm in grainsize. This seems to be mostly titanomagnetite.

R487641 **Hornblendite with mostly altered plagioclase and**
YBAC019, EOH **magnetite-ilmenite-spinel-högbomite aggregates.**

Several rock chips are seen in this thin section. Most are rich in weakly foliated pale brown hornblende from 0.2mm to 10mm in grainsize, with areas of altered plagioclase to 10mm in diameter in several chips. As in the previous sample the plagioclase has been altered to isotropic probable clays ± sericite. One chip has fresh granular plagioclase to 1.5mm in diameter, apparently very calcic, possibly bytownite. Small opaque oxide grains are present in most chips, and one chip has abundant amoeboid aggregates of opaque oxide. These aggregates are as much as 5mm in diameter and contain anhedral grains of titanomagnetite and ilmenite as well as green spinel and brown probable högbomite. There was possibly 10% plagioclase and 7-8% opaque oxide in this sample, as well as 80-85% hornblende.

R487642
YBAC021, EOH

Hypersthene gabbro (plagioclase-orthopyroxene-clinopyroxene-cumulate) with postcumulus hornblende and minor oxide (magnetite > ilmenite > spinel).

This sample has several chips rich in fresh plagioclase (55%), apparently bytownite, to 4mm in grainsize. There is also disseminated granular pyroxene, with clinopyroxene (10%) slightly more abundant than orthopyroxene (hypersthene: 7-8%). The pyroxene, to 3mm in grainsize, is enclosed in interstitial pale brown hornblende (20%) as poikilitic grains to 10mm in diameter. Hornblende also occurs interstitial to plagioclase and is of postcumulus origin. Minor (3-5%) opaque oxide occurs, to 1.5mm in grainsize, with magnetite, partly leucoxenised ilmenite and rare green spinel. This is a cumulus hypersthene gabbro with postcumulus hornblende.

R487643
YBAC023, 23m

Partly altered hornblende-rich cumulate with altered cumulus plagioclase and largely fresh orthopyroxene. Minor oxide and clinopyroxene are present and there are clay veins ± limonite.

Poikilitic grains of hornblende are abundant (60-65%) in this sample and as much as 15mm in grainsize. These enclose, and are separated by former plagioclase laths to 5mm long (25%), altered to a mixture of isotropic and anisotropic clays. There is also about 10% largely fresh granular orthopyroxene (hypersthene) to 4mm in grainsize, locally altered to fibrous clays and limonite. About 1-2% orthopyroxene has symplectites of magnetite, suggesting former olivine, but primary oxide is rare, fine-grained and partly oxidised. A single grain of clinopyroxene, 1.5mm in diameter, was seen but is partly altered to clay. Veins of serpentine-like clays and clay-limonite veins are present but are mostly narrow and irregular.

R487644 **Plagioclase-rich augite norite with minor hornblende and**
YBAC025, 17m **opaque oxide (magnetite > ilmenite).**

Abundant plagioclase (approximately An_{78-65}) is present in this sample (65-70%) as irregular grains to 4mm long. Some of the plagioclase has been altered to a mixture of isotropic and weakly anisotropic clays, as in the previous samples described above. Granular pyroxene is also abundant, to 4mm in grainsize, with orthopyroxene (15%) slightly more abundant than clinopyroxene (10-15%). There is only very minor pale brown hornblende (2-3%), as poikilitic grains to 6mm long, compared with the previous samples. Minor opaque oxide is disseminated (2-3%), mostly fine-grained but rarely in aggregates to 3mm in diameter, with magnetite more abundant than ilmenite. Some of the opaque oxide has been oxidised. Veins of clay are present but are not abundant.

R487645 **Weathered plagioclase-rich norite with minor opaque**
YBAC026, 13m **oxide and clay-filled veins.**

This sample was apparently a plagioclase-rich mafic cumulate, but the plagioclase (75%) has been almost entirely replaced by mixtures of isotropic and weakly isotropic clays. Rare fresh plagioclase is present, and the textural preservation is sufficient to suggest former laths to 4mm long. Clays and limonite have also replaced large proportions of disseminated granular pyroxene (20-25%), mostly orthopyroxene, to 2mm in grainsize, but very minor hornblende, as poikilitic grains and as rims of pyroxene, is mostly fresh. Clay-opaque oxide aggregates in altered orthopyroxene may have replaced olivine (<1%). Minor opaque oxide (2-3%), from 0.2 to 2mm in grainsize, includes magnetite and very minor ilmenite, as seen in low angle incident light. Clay-filled veins are present, to 1mm wide. A former norite is suggested.

R487646
YBAC028, 21m

Granular hornblende-rich 'beerbachite' dyke cutting plagioclase-olivine cumulate with minor to abundant postcumulus hornblende (hornblende troctolite) and minor opaque oxide (magnetite > spinel). Alteration to clay ± limonite is widespread.

This thin section contains a narrow dyke that seems to correspond to a 'beerbachite' or microgranular mafic cumulate, 10-15mm wide, between areas of host rock rich in poikilitic pale brown hornblende. The dyke has a micromosaic texture and a grainsize of 0.2 to 1.5mm, mostly about 0.5mm. Brown hornblende (40%) and plagioclase (50-55%) are the main minerals, with some alteration of the plagioclase to isotropic clays. Minor (5%) clinopyroxene is present, as well as disseminated opaque oxide (2-3%), apparently all magnetite.

On one side of the dyke the host rock has disseminated patches of clay ± limonite apparently derived from olivine grains to 3mm long (7-8%). These have partial rims of magnetite, partly granular and partly in symplectites with orthopyroxene. Fine-grained recrystallised orthopyroxene also occurs, partly rimming altered olivine and partly in aggregates with fine-grained plagioclase, with 2-3% orthopyroxene overall. Coarser plagioclase, to 5mm in grainsize, is also present (25%), and has been partly altered to clays. Poikilitic pale brown hornblende is the main mineral in this area (65%). On the other side of the dyke, plagioclase is more abundant (70-75%), with fresh areas and areas largely altered to isotropic clay. Altered olivine (clay + limonite) is again present (10%), with rims of orthopyroxene ± magnetite, but there is only very minor pale brown hornblende (10-15%). Minor clinopyroxene is present (3%). Opaque oxide on both sides of the dyke (2%) is mostly magnetite, commonly composite with green spinel.

A large patch of colloform clay is present along the contact between the dyke and the host rock.

R487647 **Weathered gabbronorite with minor hornblende and**
YBAC030, 22m **opaque oxide.**

Largely clay-altered granular plagioclase is abundant in this sample (65-70%) but seems to have occurred largely as grains less than 2mm long. Disseminated granular pyroxene (25%) has also been largely altered to clays ± limonite but was present as grains to 4mm long. It is not clear whether orthopyroxene or clinopyroxene was more abundant, but the larger grains seem to have been clinopyroxene. Poikilitic hornblende (5%) remains fresh throughout, but is not abundant, and occurs as grains to 5mm long. Minor opaque oxide (2-3%) occurs as grains to 1mm long, mostly amoeboid in outline, with magnetite apparently more abundant than ilmenite. Clay-filled veins are abundant and as much as 1.5mm wide. The mineralogy suggests a weathered gabbronorite.

R487648 **Altered plagioclase-olivine-cumulate (troctolite) with**
YBAC031, EOH **orthopyroxene, hornblende, magnetite and spinel.**

Plagioclase, about An_{85-80}, is abundant in this thin section as laths and anhedral grains to 5mm long (~65%). Clays have replaced probable olivine grains to 4mm long (10%), rimmed by pale brown to green hornblende, and there is also minor granular orthopyroxene (2%). Some of the orthopyroxene contains symplectites of magnetite and seems to have been formed from olivine. Abundant poikilitic pale green hornblende is present (20-25%), interstitial to the plagioclase, apparently optically continuous across half of the thin section. Symplectites of green spinel occur in some areas of hornblende, typically adjacent to the altered olivine grains. Rare primary opaque oxide is disseminated, as aggregates to 1mm in diameter, and is partly composite with granular green spinel. Irregular vein-like areas have been flooded by sericite and there are fractures containing prehnite.

R487649 **Feldspathic hornblendite with magnetite-spinel**
YBAC032, EOH **aggregates.**

Pale brown hornblende dominates this sample as elongate grains from 0.4 to 8mm long (~75%). There is also abundant calcic plagioclase (~20%), disseminated and in lenses to 8mm long, mostly as laths less than 2mm long. Much of the plagioclase has rims of clay and limonite and some patches of limonite-stained clay seem to represent weathered plagioclase. Aggregates of opaque oxide are disseminated, to 3mm long, and seem to be all magnetite (~4%). A large proportion is composite with green spinel (~1%).

R487650 **Hornblende-plagioclase-magnetite rock ('gabbro' or**
YBAC033, EOH **'bojite')**

Plagioclase, about An_{80}, is more abundant in this sample (25-30%) and occurs as laths to 4mm long. There is also abundant brown hornblende (~70%) as subparallel prisms to 25mm or more in length, but only 2-5mm wide. Magnetite (3%) is disseminated as amoeboid lenses to 3mm long, commonly with small inclusions of plagioclase. Rare clay-chlorite patches occur in the magnetite and clays have replaced some of the feldspar. This is a mafic hornblende-plagioclase rock, formerly called 'bojite', although this term is apparently no longer used.

R487652 **Plagioclase-rich gabbronorite with altered pyroxene (clay**
YBAC036, EOH **+ carbonate), hornblende, opaque oxide and apatite.**

There is abundant (~75%) inequigranular plagioclase in this sample, from 0.05 to 4mm in grainsize. Subparallel grains and aggregates of former pyroxene (15-20%), to 3mm long, have been replaced by clay-carbonate aggregates and have partial rims of pale greenish-brown hornblende (5%). Aggregates of hornblende and fine-grained plagioclase may represent recrystallised pyroxene grains and aggregates. Minor opaque oxide (2-5%) is disseminated as lenses to 1mm long, parallel to the pyroxene grains and aggregates. This sample differs from those described above in having very minor (<1%) fine-grained granular apatite. This is a plagioclase-rich gabbronorite with minor hornblende.

R487653 **Hornblende gabbro/bojite with magnetite-ilmenite-spinel**
YBAC037, EOH **aggregates and possible högbomite.**

Pale greenish brown hornblende is abundant (50-55%) in this sample as generally anhedral grains to 10mm in diameter. There are also large areas of isotropic and weakly anisotropic clay, to 10mm in diameter, apparently derived from plagioclase (40%). Opaque oxide is abundant (7-8%) as lenses to 7mm long. The oxide is mostly titanomagnetite with ilmenite lamellae and very minor granular ilmenite identifiable in low angle incident light. Rare green spinel, veined by clay, occurs adjacent to some of the oxide, and reddish-brown possible högbomite is present within some aggregates. Veins and fractures filled by limonite are abundant in this sample.

R487654 **Feldspathic olivine-poor hornblende-harzburgite with**
YBAC038, EOH **magnetite and spinel, partly altered.**

This sample has mostly small chips, some as much as 15mm long, many smaller and largely monomineralic. The larger chips include three that contain partly fresh olivine, not seen in the previous samples described above, from 0.5 to 3mm in grainsize. Much of the olivine in these chips has been altered to various clays ± limonite, and magnetite-orthopyroxene symplectites are also present, apparently derived from olivine. Poikilitic grains of orthopyroxene (hypersthene) contain most of the fresh or altered olivine grains and are at least 10mm in grainsize. Minor pale brown or green hornblende also occurs as poikilitic grains, enclosing altered olivine and also containing parallel dendrites of opaque oxide. Sericite in some of these chips may have replaced minor plagioclase. A fourth large chip has abundant plagioclase to 4mm in grainsize and less abundant pale brown hornblende to 5mm or more in grainsize. Granular magnetite is present in the olivine-pyroxene-rich chips, locally composite with spinel, and there are rare symplectites of green spinel and hornblende adjacent to the olivine grains.

The smaller chips contain plagioclase, clays ± limonite after olivine, orthopyroxene, clays after orthopyroxene, symplectites of orthopyroxene or clays and magnetite (oxidised olivine) and hornblende, locally with symplectites containing green spinel. The overall mineralogy is 20% plagioclase, 45-50% orthopyroxene, 15% hornblende, 15% fresh and altered olivine and 3% opaque oxide (magnetite + spinel). This suggests a feldspathic hornblende peridotite, probably an olivine-poor harzburgite.

R487655 **Hornblende-bearing feldspathic bronzitite with minor**
YBAC039, EOH **clinopyroxene and opaque oxide: partly altered to clay, limonite and opal, with limonite-lined fractures.**

This sample is divided into two parts along a zone containing parallel fractures filled by limonite and clay. On one side of this zone the minerals have been replaced by various types of clay, or by opaline silica, with limonite widespread in some areas, but the textural preservation is good. On the other side the minerals are fresh. The textures suggest then same original mineralogy throughout. In the fresh area there is disseminated pale brown hornblende as poikilitic grains to 15mm long (15-20%). Prisms and anhedral grains of pyroxene are abundant, to 4mm long, with orthopyroxene (50%) more abundant than clinopyroxene (7-8%). Some of the pyroxene seems to have been partly replaced by hornblende. Minor plagioclase (20%), to 3mm in grainsize, has been altered to isotropic probable clays throughout. Minor opaque oxide (4%) is disseminated as grains and aggregates from 0.2 to 3mm long, and seems to be mostly magnetite.

R487656 **Altered troctolite with orthopyroxene ± magnetite,**
YBAC040, EOH **hornblende ± spinel and magnetite-spinel aggregates: altered to isotropic clay and smectite-limonite.**

Plagioclase, to 5mm in grainsize, was apparently abundant in this sample (~55%), but has been altered to isotropic clay. The other main cumulus mineral was apparently olivine, to 5mm in grainsize (20%), but this has been altered to orange-coloured smectite-limonite interlayer clays. Small areas of fresh or clay-altered orthopyroxene also occur (~5%), mostly as symplectites with magnetite, but rare granular orthopyroxene also occurs, to 2mm in grainsize. Poikilitic hornblende (15-20%) separates the olivine from the plagioclase, with some lenses composed of hornblende-spinel symplectites. Minor opaque oxide (3%), probably magnetite, occurs as grains to 1mm in diameter, commonly composite with green spinel to 0.4mmn in grainsize.

R487657 **Altered plagioclase-rich norite with hornblende, clays and**
YBAC041, 33-34m **limonite, poor in opaque oxide.**

This is a more highly altered sample than the previous sample. It has large areas of isotropic and weakly anisotropic clay (75%), all derived from plagioclase but with no textural preservation, and disseminated grains of partly fresh orthopyroxene (~20%). The orthopyroxene occurs as prisms to 2mm long, mostly with narrow rims of hornblende(2-3%), and has been partly to completely altered to clay ± limonite. It is possible that some of the clay-limonite aggregates have replaced olivine or clinopyroxene, but the only fresh mineral is orthopyroxene. Minor opaque oxide (2-3%) is disseminated in open aggregates of amoeboid grains to 2mm in diameter. Clay-rich areas with a vein-like outline are also present.

R487658 **Tremolite-serpentine-clay-limonite-altered peridotite**
YBAC042, EOH **(olivine cumulate) with minor spinel and serpentine-oxide veins.**

This sample is rich in clay-limonite pseudomorphs of granular olivine to 5mm in apparent grainsize (60%). Minor secondary oxide occurs in veins in the magnetite. There are also aggregates, to 5mm in diameter, of tremolite (20%) with a parallel arrangement or with a decussate texture, with limonite in some of these, mostly with a parallel arrangement of tremolite fibres. Patches of serpentine-like clay (10-15%) occur, also to 5mm in diameter. These may have formed from orthopyroxene and locally enclose areas of clay similar to those that have replaced plagioclase in other samples (5%). The tremolite aggregates, which mat have replaced clinopyroxene, locally contain residual kernels of green spinel (2-3%), largely flooded by clays and limonite. Veins of opaque oxide and serpentine occur to 2mm wide. The oxide is possible manganese-rich rather than iron-rich and is black in low angle incident light.

R487659 **Altered plagioclase-rich olivine norite with magnetite and**
YBAC043, EOH **spinel: clays and limonite are abundant.**

This sample is similar to R487657 with large areas of isotropic and weakly anisotropic clays apparently derived from plagioclase, but with no textural preservation. In this thin section there are also veins, to 2mm wide, with isotropic clays and contorted lenses of possible sericite. These clays represent 75% of the area of the thin section. Minor fresh or clay-limonite-altered orthopyroxene (~10-15%) is disseminated to 4mm in grainsize, mostly rimmed by hornblende (2-3%). There are also clay-magnetite symplectites to 2mm long, derived from orthopyroxene-magnetite symplectites that were in turn derived from olivine. Some probable olivine, to 3mm in grainsize, has been altered more directly to pale yellow clay, probably smectite (saponite?), and limonite. About 7-8% olivine was probably present. Minor opaque oxide (2-3%) is disseminated as grains to 2mm long, mostly titanomagnetite but partly composite with green spinel.

R487660 **Weathered clinopyroxenite with hornblende and**
YBAC051, EOH **orthopyroxene.**

This sample is dominated by fresh to altered clinopyroxene (85%) to 5mm in grainsize, with minor (~10-15%) pale brown hornblende, as interstitial grains to 8mm long, and rare fresh to altered orthopyroxene (2-3%), to 2mm in grainsize. Much of the clinopyroxene has lamellae altered to clays or fibrous amphibole and diffuse lenses of limonite, more abundant in more weathered parts of the thin section. The hornblende is mostly fresh and occurs as a postcumulus mineral. The orthopyroxene is also mostly fresh, but passes into aggregates of smectite ± limonite in some areas. Traces of oxide occur, mostly in orthopyroxene, and there are limonite-lined fractures.

R487661 **Probable gabbronorite with altered pyroxene, minor**
YBAC053, EOH **biotite and rare late magmatic quartz.**

This sample is unusual in the context of the other samples in this suite. It has abundant (~65%) fresh plagioclase as flow-oriented laths from 0.4 to 4mm long, apparently more sodic than the bytownite-labradorite determined in other samples in this suite. The larger grains may be referred to as phenocrysts and have undergone patchy zoning. These laths have calcic zones that are fresh or, more rarely, altered to sericite, and sodic zones that contain abundant opaque oxide and altered mafic silicates. All of the mafic silicate grains (25-30%), to 1.5mm in grainsize, have been altered to clays and minor limonite, but the textures suggest the possibility of dominant pyroxene (orthopyroxene rather than clinopyroxene?). These conform to the flow-texture defined by the plagioclase. There is also abundant (~5%) disseminated opaque oxide, partly fine-grained and partly in aggregates to 1.5mm long. More unusual is the presence of minor biotite (2%) as flakes to 1mm long, partly nucleated on opaque oxide, and of rare late magmatic quartz as poikilitic grains to 2mm long (<1%). The bulk mineralogy suggests a gabbronorite.

Plates 1 & 2

336500 E
337000 E
337500 E
338000 E
338500 E
6502500 N
6502000 N
6501500 N
6501000 N
6500500 N

Area 3

G297684
G297683
G297682

Area 4

Area 2

G297681
G297679
G297680
G297678
G297677
G297676

Area 1

G297663
G297664
G297666
G297667
G297668
G297669
G297670
G297670A
G297671
G297675
G297674
G297673
G297672
G297662
G297661
G297660
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G297655
G297653
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metres
50 100 150 200 250 300 350

MINEMAP MINE PLANNING SOFTWARE

DOMINION GOLD OPERATIONS

YUMBARRA 2685
REGOLITH SAMPLE LOCATIONS

DRAWN : PR	SCALE 1 : 5000	PLATE 1
DATE : 27 Jun 2002	CHECKED :	

336500 E
337000 E
337500 E
338000 E
338500 E
6502500 N
6502000 N
6501500 N
6501000 N
6500500 N

Area 3

01YBAC052
01YBAC051
01YBAC050
01YBAC049
01YBAC048

Area 4

01YBAC055
01YBAC054
01YBAC053

Area 2

01YBAC045
01YBAC046
01YBAC047
01YBAC041
01YBAC042
01YBAC043
01YBAC044

Area 1

01YBAC040
01YBAC039
01YBAC038
01YBAC037
01YBAC036
01YBAC020
01YBAC021
01YBAC022
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01YBAC012
01YBAC011
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01YBAC001
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01YBAC007
01YBAC008
01YBAC009

metres
50 100 150 200 250 300 350

MINEMAP MINE PLANNING SOFTWARE

DOMINION GOLD OPERATIONS

YUMBARRA 2685

DRILLHOLE LOCATION PLAN

DRAWN : RC	SCALE 1 : 5000	PLATE 2
DATE : 21 Jun 2002	CHECKED :	

GAWLER JOINT VENTURE

EL 2685 Environmental Monitoring Assessment Report

October 2004

ecologia ENVIRONMENT

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1.0 INTRODUCTION

In November 1999 the South Australian legislature passed a Proclamation, specifying the conditions to which rights of prospecting, exploration and mining in Yumbarra Conservation Park (YCP) were subject. Condition 6 (a) of the Proclamation states that any body that exercises rights under an exploration authority must employ an appropriately qualified person:

(i) To survey the condition of the environment surrounding proposed exploration activities prior to any drilling, geological sampling or earth moving activity.

(ii) To conduct a baseline biodiversity study during the low impact stage of exploration in a control area identified by the mining company for future environmental purposes.

(iii) To monitor the condition of the environment, in particular the effect on the environment of the exercise of rights to which this Proclamation relates.

(vi) to prepare and submit a monitoring report to the National Parks and Wildlife Minister and the Primary Industries and Resources Minister (PIRSA) at least once in each period of 12 months, commencing on the grant of the exploration authority; and

(v) To prepare such supplementary or additional reports as may be required by the National Parks and Wildlife Minister.

The Gawler Joint Venture (GJV), a joint venture between Dominion Mining Ltd and Resolute Resources Ltd, currently holds an Exploration License (EL 2685) over an area of approximately 380 km^2, a significant proportion of which extends into the Yumbarra Conservation Park (Figure 1.1).

Pursuant to the Proclamation conditions 6(a) (iii) and (iv) above and the Exploration Licence (EL 2685) conditions 13 and 14 of Schedule C, the Gawler Joint Venture commissioned *ecologia* Environmental Consultants to conduct a series of surveys within the area of exploration activity. The area studied encompasses the main zone of exploration interest (Figure 1.1) plus a main access track, which leads to the study area from the southern boundary of the Yumbarra Conservation Park.

The first of these surveys was conducted from the 17th to 22nd December 1999 (*ecologia* 2000) and provided a baseline biological assessment prior to any ground level exploration activity. It entailed a detailed survey of sixteen 900 m^2 flora quadrats and six fauna trapping grids combined with opportunistic sampling of both flora and fauna. In addition to providing a baseline inventory of flora and fauna taxa occurring within the area, the vegetation was mapped into four community types, which were correlated to the community types identified in the 1995 survey by the Department of Environment and Natural Resources of the Yumbarra Conservation Park (Owens *et al*, 1995)

A second survey (*ecologia* 2001), subsequent to two phases of exploration, was conducted during the period 21st to 27th November 2000. It entailed the detailed survey of twenty-two additional floristic quadrats combined with opportunistic collections; as well as an assessment of the environmental condition of the exploration area to confirm there was

general compliance with environmental management requirements. No fauna data other than opportunistic observations of feral fauna activity were collected during this survey.

A third survey was conducted during the period 6th to 11th November 2001 subsequent to a further phase of exploration, and entailed the detailed survey of 26 floristic quadrats, 22 of which had been previously surveyed in either 1999 or 2000. Further fauna data was collected over the same period by Ecological Horizons using 12 fauna trapping grids, four of which had been previously trapped in 1999 by *ecologia*, and opportunistic collections (*ecologia* 2002).

The July 2004 Floristic Survey

This report details the results of the fourth floristic monitoring survey conducted during the period 18th to 25th July 2004 in the Exploration Lease area. This is the final survey required by the Gawler Joint Venture in the Exploration Lease area (EL 2685), pending further requests for future work from the Department of Environment and PIRSA.

The broad aim of the survey was to see if there have been any changes to the floristic composition of the Exploration Area due to the exploration activities that commenced in 1999.

This work details the following:

- The condition of vegetation within the survey area and adjacent to the access tracks;
- The presence of weeds within the exploration area;
- The presence, location and abundance of sensitive flora or vegetation;
- Rehabilitation works to date.

1.1 SUMMARY OF EXPLORATION ACTIVITIES TO DATE

At the time at which the monitoring survey was conducted, four phases of preliminary exploration had been conducted within the lease, as detailed below.

Phase 1 Exploration: August-September 2000

A regional 200 metre sample spacing by 400 metre line spacing consisting of hand sampling of soil and calcrete within the area using a quad 4WD cycle. The environmental impact of the transects made by this vehicle is regarded as very low, as compression of the soil was limited to that caused by multiple pass tracks by the quad bike and no clearing of vegetation was required for passage. A total of 172 calcrete and 207 soil samples were taken across the area detailed in Figure 2.1. All sample sites were filled in.

Phase 2 Exploration: November 2000

For this phase of exploration, a Toyota 4WD with a rear-mounted auger was used rather than a quad cycle. The environmental impact was low, limited to the soil compression caused by multiple passes of the vehicle and occasional inadvertent minor pruning of shrubs adjacent to the track. Three hundred and ninety five calcrete samples were collected, of which 20 were collected by auger at 200 by 400 metre spacing, thus completing the regional sampling where calcrete was too deep for hand sampling.

Two hundred and eighty seven calcrete samples were collected by auger on 100 by 100 metre spacing within the detailed infill area (Figure 2.1). A further 16 calcrete samples were collected by hand to complete the 100 by 100 infill area.

In addition to the above, 72 duplicate samples were collected by auger. These were taken at a greater depth (i.e. separate calcrete/sand/calcareous sand horizon) than the original samples.

Two hundred and fifty one soil samples were collected concurrently to the above sampling all within the detailed infill area.

This survey of approximately 2.5 line kilometres was conducted by Solo Geophysics. The survey consisted of three lines as follows: 6502100N, from 338200E to 338600E; 336200E from 6501900N to 6502500N; 336600E from 6500300N to 6501500N.

A series of IP surveys consisting of approximately 25 line kilometres was conducted by Solo Geophysics in conjunction with the TEM survey. The survey consisted of six spreads as listed below:

Gradient Array Spread No.1:
Current line 6502000N with current electrodes at 337650E and 338859E. Survey traverses 6501600N, 6501700N, 6501800N, 6501900N, 6502000N, 6502100N, 6502200N and 6502300N with 25 metre dipoles from 338000E to 338500E.

Gradient Array Spread No. 2:
Current line 336200E with current electrodes at 6502700N and 6501900N. Survey traverses 336600E, 336500E, 336400E, 336300E, 336200E, 336100E, 336000E, 335900E and 335800E with 25 metre dipoles from 6501900N to 6502400N.

Gradient Array Spread No. 3:
Current line 337300E with current electrodes at 6500000N and 6501300N. Survey traverses 336900E, 337000E, 337100E, 337200E, 337300E, 337400E, 337500E and 337600E with 25 metre dipoles from 6500200N to 6501000N.

Gradient Array Spread No. 4:
Current line 6501300N with current electrodes at 337400E and 338600E. Survey traverses 6501100N, 6501200N, 6501300N, 6501400N, 6501500N, 6501600N and 6501700N with 25 metre dipoles from 337700E to 338300E.

Gradient Array Spread No. 5:
Current line 337900E with current electrodes at 6500200N and 6501300N. Survey traverses 337700E, 337800E, 337900E and 338000E with 25 metre dipoles from 6500500N to 6501100N.

Gradient Array Spread No.6:
Current line 336400E with current electrodes at 6500800N and 6501800N. Survey traverses 336200E, 336300E, 336400E, 336500E, 336600E, 336700E and 336800E with 25 metre dipoles from 6500800N to 6501800N.

Phase 3 Exploration: March-April 2001

This phase consisted of 54 shallow auger holes in three areas. It was conducted to obtain regolith profile samples and possibly bedrock geochemical samples. From these results determination of the effectiveness of Phase 1 and Phase 2 geochemical sampling programmes was to be examined. No new tracks were established and only existing sample lines were traversed. Rehabilitation was conducted concurrently to the Auger Sampling within the southern portion of the Phase 2 infill area. All auger spoil was placed in piles on a tarpaulin during the sampling process and replaced into the auger hole immediately upon completion. Rehabilitation of several tracks deemed to be of no further use was conducted, as was de-rutting of several tracks along the northern and south-eastern access tracks.

No flagging was used during Phase 3 and the quad bike was used as the means of transport to and from the auger sample sites allowing the auger rig to remain on site and thus preventing the development of obvious access tracks along samples lines.

All vehicles were cleaned using high pressure water at Ceduna prior to site access.

Phase 4 Exploration: August 2001

This phase consisted of 55 air-core drill holes in four areas (Figure 1). Again, no new tracks were established and only existing sample lines were traversed. The drilling traverse lines were reconnoitred using quad bikes to limit impact to vegetation. All departure points from the main tracks were disguised and these entry/exit points were rehabilitated beyond the line of sight. De-rutting and camouflaging of tracks was conducted throughout Area 1 and near each drill site in other areas concurrently with the drilling.

All drill spoil was placed in piles on a tarpaulin during sampling and excess drill spoil was backfilled into the drill hole immediately upon completion. Excess clay drill spoil was bagged and removed to the Ceduna waste landfill site. Some excess sand drill spoil was buried adjacent to the respective drill hole.

No flagging, pegs or markers were used during Phase 4 and the quad bike was used as the means of transport between the drill sites and camp, allowing the air-core drilling rig and tender vehicle to remain on site. This reduced the use of sample lines and prevented their development into obvious access tracks.

All vehicles were cleaned using high pressure water at Ceduna prior to site access.

Approximately 15 mallee limbs were removed to facilitate entry along the main southern access track. A further 20 to 30 mallee limbs were removed to gain access to drill sites.

Post Phase 4:

Since the Phase 4 Exploration, the Gawler Joint Venture has conducted no further exploration activities of any nature. In addition to the fauna and flora monitoring conducted by Ecological Horizons and Ecologia respectively in 2001 and 2004, a weed reduction programme, comprised of physical removal by hand pulling was conducted concomitant with rehabilitation of tracks in November 2001.

Insert Figure 1.1; Location of Lease.

Insert Figure 1.2; Areas of exploration activity.

2.0 VEGETATION MONITORING

2.1 MONITORING HISTORY

In order to assess the impact of exploration on the vegetation, it is necessary to collect data from locations both distant and near the areas of disturbance, thus providing "control" and "impact" sites respectively. During the Baseline Biological Assessment in December 1999, flora survey sites were located throughout the designated area of interest but not at specific distances from areas of impact, since the exact locations at which ground disturbance would occur were unknown at the time of the survey. The lack of access within the site also restricted the representation of some vegetation community types within the data set.

The subsequent Monitoring Assessment Survey during November 2000 placed 22 additional sites both within and at some distance from the areas of exploration disturbance in order to provide further impact and control monitoring sites and to increase the representation of some vegetation community types (*ecologia* 2001). However, given that the sites surveyed were additional, direct comparison of changes in the vegetation at a single location was not possible. Since information as to the exact locations of disturbance was still incomplete at the time of survey, there remained some imbalance in the distribution of control and impact sites.

The November 2001 survey focussed on sites that had previously been surveyed and allowed a comparative analysis on a site by site basis (*ecologia* 2002). In addition, the sites surveyed were specifically selected to redress the imbalance between control and impact sites for some community types that was established in the previous two surveys, in particular Community Type 1 (*Eucalyptus oleosa* woodland). Four additional sites (Sites 39 to 42) were also surveyed to provide floristic data to accompany additional fauna sites established by Ecological Horizons during their concurrent survey.

2.2 MONITORING METHODOLOGY

During the July 2004 monitoring survey the methodology was identical to that employed in December 1999, November 2000 and November 2001, thus allowing comparison of the species inventories collected during each survey. The flora sampling regime adhered to the methodology recommended by the Department of Environment and Natural Resources (DENR) in the publication "Guide to a Native Vegetation Survey (Agricultural Region) Using the Biological Survey of South Australia" (1997) as detailed below.

Table 2.1 summarises the survey history of each of the 25 established monitoring sites. Figure 2.1 details the locations of the 2004 monitoring sites in relation to the tracks and geological sample collection points of exploration, whilst Figure 2.2 details the location of these sites relative to the vegetation complexes identified in the 1999 survey. Community Type 4 was not represented by any sites during the 2001 or 2004 surveys because it is localised to a small area in the central eastern portion of the lease well removed from exploration activities.

All sites encompassed an area of 900 m^2, in most instances using a quadrat of 30 m by 30 metres. However at some locations, such as at dune crests, rectangular plots of variable

dimensions were necessary in order to remain within a single vegetation complex. The location of all sites was determined using a GPS and the dimensions and orientation of each quadrat relative to a northern bearing were mapped. Each site was photographed from one corner of the quadrat and the photograph direction relative to the quadrat and north was determined. Marker posts were not used at some sites due to the difficulty in transporting them to remote locations by foot. DENR posts were used as quadrat corners where possible. However, comparison of the existing site photographs combined with the coordinates and map allowed the sites to be relocated.

The form, height, cover, abundance and life stage of each species present within each quadrat was recorded, in addition to a range of general characteristics such as landform, outcrop and surface strew, bare earth and litter cover, vegetation condition and structure.

The presence of rare flora and introduced were targeted as well as any opportunistic collections of flora that were found between monitoring sites. Collection points along these routes were identified using a handheld GPS.

Table 2.1: Categorisation of 2004 Monitoring Sites

Site no.	Year surveyed				Comm. type	Classification	Distance from disturbance (metres)		
	1999	2000	2001	2004			Phase 1 (quad cycle, existing track)	Phase 2 (detailed infill area, additional tracks)	Phase 3 (auger rig)
1	+	-	+	+	1	Impact	<50 existing track	within infill	500
2	+	-	+	+	1	Impact	100 existing track	within infill	150
8	+	-	+	+	1	Impact	<50 quad track	perimeter	300
28	-	+	+	+	1	Impact	100 existing track	within infill	<50
16	+	+	+	+	1	Control	150 existing track	>500	>500
19	-	+	+	+	1	Control	500 quad track	1000	>1000
20	-	+	+	+	1	Control	400 quad track	900	>1000
40	-	-	+	+	1	Control	500 quad track	1000	>1000
41	-	-	+	+	1	Control	800 existing track	1700	>2000
6	+	-	+	+	2 (burnt)	Impact	<50 existing track	within infill	150
10	+	-	+	+	2 (burnt)	Impact	<50 existing track	175	500
32	-	+	+	+	2 (burnt)	Impact	<50 existing track	600	>1000
33	-	+	+	+	2	Impact	175 quad track	perimeter, <50 additional track	>2000
11	+	-	+	+	2	Control	250 quad track	500	600
26	-	+	+	+	2	Control	800 quad track	750	>1000
31	-	+	+	+	2 (burnt)	Control	750 quad track	1000	1400
35	-	+	+	+	2	Control	100 quad track	400	>2000
3	+	-	+	+	3	Impact	<50 existing track	1250	1750
17	-	+	+	+	3	Impact	100 quad track	within infill, <50 additional track	1250
18	-	+	+	+	3	Impact	100 quad track	within infill, <50 additional track	100
34	-	+	+	+	3	Impact	200 quad track	300, <50 additional track	>1500
12	+	-	+	+	3	Control	>1000 quad track	1250	1500
13	+	-	+	+	3 (burnt)	Control	750 existing track	1500	1800
25	-	+	+	+	3	Control	100 quad track	750	1000
36	-	+	+	+	3	Control	50 quad track	500	>2000

Type 1. Undulating plains: Tall open to sparse *Eucalyptus oleosa* mallee woodland over sparse mixed shrubs and sparse *Triodia scariosa.*

Type 2. Dune swales: Mixed mallee woodland of *Eucalyptus yumbarrana* subsp. *yumbarrana*, *E. gracilis* and other Eucalypt species over shrubland dominated by *Dodonaea bursarifolia* and *Melaleuca eleuterostachya.*

Type 3: Dune crests: Sparse *Hakea francisiana* and *E. ceratocorys* over tall shrubland of *M. eleuterostachya*, *M. leiocarpa* and *Leptospermum coriaceum.*

Insert Figure 2.1: Location of sites relative to exploration phases.

Insert Figure 2.2: Location of sites relative to vegetation community types.

Insert figure 2.3

3.0 RESULTS

3.1 SPECIES RICHNESS WITHIN QUADRATS

Changes to vegetation due to the impact of exploration could conceivably manifest in a number of ways. Firstly, the abundance of particular species that are more sensitive to impact could decrease, ultimately to the point where they ceased to be present within impacted quadrats. Conversely, disturbance may also favour the proliferation of some species, including both introduced species and some native species that are more tolerant of disturbance. Thus if one examines the total number of species present per unit area (i.e. the species richness) in isolation, these two opposing effects may mask changes in species richness. Similarly seasonal differences may also serve to mask longer term shifts in species richness following periods of higher rainfall, not only due to the presence of additional ephemeral species, but also because perennial species may be more readily detected and identified. A marked seasonal shift was noted in the previous Environmental Monitoring Assessment Report (*ecologia* 2001), which compared the species inventories collected during the December 1999 and November 2000 surveys, the latter being preceded by substantially more rainfall. Not only was the total inventory of taxa recorded, including perennial species, substantially higher but the proportion of annual or weakly perennial species was much higher (22% in 2000 compared to 9% in 1999).

As in the 2001 monitoring report, current analysis compares species richness in control and impact quadrats within the 2004 period. However because two periods of complete data for all sites are now available, it also compares the difference between the same sites in 2001 and 2004. In the second instance, only perennial species were included within the analysis to avoid seasonal bias.

Table 2.2 details the total, perennial and annual number of species recorded within Impact and Control quadrats for each of the first three vegetation types identified during the baseline 1999 survey. In the absence of impact sites, this analysis is not possible for Vegetation Type 4, located remotely from the area of geological interest. A paired student t-test was performed to assess whether there were any statistically significant differences in the number of species recorded in individual quadrats between 2001 and 2004.

With the exception of the Control sites of Type 1 vegetation, there was no difference between the species richness within each quadrat between 2001 and 2004 ($p<0.05$), i.e. the likelihood that differences in the number of species recorded within a particular quadrat from 2001 to 2004 is due to other than chance is less than 5%. In Type 1 vegetation, the species richness within control sites appears to have significantly increased from 2001 to 2004. This increase in species richness is due to an increase in the number of native perennial species, as the number of introduced species (annual or perennial) decreased in 2004. This significant difference cannot be attributed to an amelioration of impact from exploration activities given that it occurred within control sites. Nor is it due to compositional shifts due to regeneration from fire as the site in which the largest increase was observed was unburnt. The most likely explanation is either seasonal effects or sampling differences between the two years. However, it is noteworthy that this finding is only just statistically significant using the 95% confidence level as $p = 0.048$, only 0.002 below the cut-off point of significance of $p<0.05$.

Table 3.1 **Comparison of species richness in 2001 and 2004 of individual sites within impact and control quadrats. (Paired student t-test of significance of differences between perennial species richness of each quadrat, $p < 0.05$)**

Site no.	Total no. species		No. perennials		Paired t-test perennial between '01 & "04	No. annuals		Community type	Impact classification
	2001	2004	2001	2004		2001	2004		
1	19	16	16	16	t = -1.67 d. fr. = 3 p = 0.194 "not significant"	3	0	Type 1	Impacted
2	16	15	15	15		1	0		
8	17	18	12	18		4	0		
28	14	17	13	17		1	0		
mean	16.5	16.5	14	16.5		2.25	0		
std dev.	2.08	1.29	1.83	1.29		1.50	0.00		
16	15	19	12	19	t = -2.81 d. fr. = 4 p = 0.048 "significant"	3	0	Type 1	Control
19	18	20	17	20		1	0	Type 1	
20	15	22	15	20		0	2	Type 1	
40	21	19	19	19		3	0	Type 1	
41	14	14	12	14		2	0	Type 1	
mean	16.60	18.80	14.67	18.40		1.33	0.40		
std dev.	2.88	2.95	2.52	2.51		1.53	0.89		
6	19	21	19	21	t = -0.72 d. fr. = 3 p = 0.194 "not significant"	0	0	Type 2	Impacted
10	24	28	22	27		2	1	Type 2 burnt	
32	29	23	25	21		4	2	Type 2 burnt	
33	17	18	14	14		3	4	Type 2	
mean	22.25	22.5	20	20.75		2.25	1.75		
std dev.	5.38	4.20	4.69	5.32		1.71	1.71		
11	16	19	15	14	t = 0.00 d. fr. -= 3 p = 1.0 "not significant"	1	5	Type 2 burnt	Control
26	19	20	9	12		10	8	Type 2 burnt	
31	27	23	25	23		2	0	Type 2	
35	17	16	12	12		5	4	Type 2	
mean	19.75	19.5	15.25	15.25		4.5	4.25		
std dev.	4.99	2.89	6.95	5.25		4.04	3.30		
3	21	29	18	29	t = -2.35 d. fr. = 3 p = 0.100 "not significant"	3	0	Type 3 burnt	Impacted
17	23	21	22	21		1	0	Type 3	
18	25	31	22	30		3	1	Type 3	
34	20	27	18	24		2	2	Type 3	
mean	22.25	27	20	26		2.25	0.75		
std dev.	2.22	4.32	2.31	4.24		0.96	0.96		
12	25	24	25	24	t = 0.00 d. fr. = 3 p = 1.0 "not significant"	0	0	Type 3	Control
13	31	26	26	25		5	1	Type 3 burnt	
25	25	27	24	27		1	0	Type 3	
36	28	26	26	25		2	1	Type 3	
mean	27.25	25.75	25.25	25.25		2	0.5		
std dev.	2.87	1.26	0.96	1.26		2.16	0.58		

In addition, the analysis examined whether significant differences in species richness exist between control and impact sites using both total species richness and perennial-only species richness within each vegetation type. The analysis of perennial-only data partially addresses the problem of opportunistic species proliferating and masking other shifts in composition, since many (but not all) of such species are annual.

Table 2.3 details the results of analysis of this data using the Students T-test and a probability of differences solely occurring by chance of $p<0.05$ i.e. 95% confidence.

Table 3.2 Student T-test analysis of significance of difference between control and impact quadrats, 2004 monitoring.

Community type	2004 Perennial only					2004 All species				
	Control		Impact		Unpaired t-test	Control		Impact		Unpaired t-test
	Site no.	# species	Site no.	# species		Site no.	# species	Site no.	# species	
Type 1	16	19	1	16	t = -1.36	16	19	1	16	t = -1.44
	19	20	2	15	d. fr = 7	19	20	2	15	d. fr = 7
	20	20	8	18	p = 0.215	20	22	8	18	p = 0.194
	40	19	28	17	"not significant"	40	19	28	17	"not significant"
	41	14				41	14			
mean		18.8		16.5			18.4		16.5	
st. dev.		2.51		1.29			2.95		1.29	
Type 2	11	14	6	21	t = 1.47	11	19	6	21	t = 1.18
	26	12	10	27	d. fr = 6	26	20	10	28	d. fr = 7
	31	23	32	21	p = 0.191	31	23	32	23	p = 0.284
	35	12	33	14	"not significant"	35	16	33	18	"not significant"
mean		15.3		20.8			19.5		22.5	
st. dev.		5.25		5.32			2.89		4.20	
Type 3	12	24	3	29	t = 0.46	12	24	3	29	t = 0.556
	13	25	17	21	d. fr = 6	13	26	17	21	d. fr = 6
	25	27	18	30	p = 0.658	25	27	18	31	p = 0.599
	36	25	34	25	"not significant"	36	26	34	27	"not significant"
mean		25.3		26.3			25.8		27.0	
st. dev.		1.26		4.11			1.26		4.32	

There were no significant differences between the species richness of control and impact sites in any of the three community types in 2004. This is in contrast to the data from 2001, in which a significant difference between control and impact sites was detected for Community Type 3, Dune Ridge Vegetation. The mean number of perennial species within impact sites increased from 22.3 in 2001 to 27.0 in 2004, while the corresponding control sites were not significantly different between the two years (27.3 compared to 25.8 species).

The differences in species richness observed between control and impact sites in 2001 could not be attributed to differences in fire regime, as only one of the impact sites had been burnt, and the species richness at this site was no lower than unburnt impact sites within this community type. Impact sites within this community type are all located near either the

original or subsequent access tracks, with only two of the four sites within the Phase 2 infill areas. Indeed the two sites with the lowest species richness in 2001 (Sites 34 and 3) are located outside the infill area. On this basis, it was suggested that this community type might be particularly sensitive to the type of impact produced by track formation. It would appear if this were the case that following the cessation of use of these tracks that the species richness has recovered.

Examples of impact sites from each of the three major vegetation types are contained in Plates 1 to 6. A list of the species collected during the current survey is detailed in Appendix A. The distribution and coverage of species is included in a site by species matrix within Appendix B. Detailed data survey sheets are to be lodged with the SouthAustralian Department for Environment and Heritage (DEH) for each of the 25 sites surveyed.

Site 1: Community Type 1, Impact, located less than 50 metres from pre-existing track, photographed in November 2001 (above) and July 2004 (below).

Site 28: Community Type 1, Impact, located approximately 100 m from pre-existing track and less than 50 metres from tracks subsequently created which have now been rehabilitated. Photographed 2000 (above) and 2004 (below).

Site 10: Community Type 2, Impact, burnt approximately 1998 prior to exploration and located less than 50 m from pre-existing track. P
hotographed 2001 (above) and 2004 (below).

Site 33, Community Type 2, Impact, located less than 50 metres from track created during exploration but subsequently rehabilitated. Photographed 2001 (above) and 2004 (below).

Site 3: Community Type 3, Impact, burnt approximately 1998 prior to exploration and located less than 50 metres from the pre-existing track. Photographed 2001 (above) and 2004 (below).

Site 34: Community Type 3, Impact, located less than 50 m from a track created during exploration and subsequently rehabilitated. Photographed 2001 (above) and 2004 (below).

3.2 INTRODUCED FLORA

There were no weed species recorded during the July 2004 survey either within designated quadrat sites or in opportunistic searching along access tracks and between sites. The lack of weeds is surprising given that three weed species were found during the December 2001 survey. Since the current survey was conducted in winter, it is likely that weed species had not germinated and were therefore not observed or collected. It is unlikely that the weeds previously recorded have become locally extinct in the area since the last survey, notwithstanding the weed eradication measure undertaken in 2001. The detection of weeds is extremely sensitive to survey timing as demonstrated by the variability in detection during previous surveys.

During the December 1999 baseline survey there were no weeds recorded within the survey area. However this survey was preceded by extremely dry conditions that may have precluded the detection of existing weed populations. Eleven introduced species have been previously reported (Owens et al) within the boundaries of the entire Yumbarra Conservation Park. However, during the 1995 survey of forty-four sites distributed throughout the Park by Department of Environment and Natural Resources, no weeds were recorded. This survey was also preceded by extremely dry conditions.

During the November 2000 survey a single collection of the introduced species, **Sonchus tenerrimus* (clammy sow thistle) occurred within the exploration area at Site 37 in the central eastern portion of the lease. As this location is well east of the zone of impact, it was suggested at the time that this occurrence could have originated from sources independent of exploration activities to date. Conditions during this survey were also relatively dry, but significantly more rainfall preceded the 2000 survey and native ephemeral species were also far more abundant.

During the November 2001 survey, three weed species were recorded from the exploration area: **Sonchus ?tenerrimus/?oleraceus, *Reichardia ringitana* (false sow thistle), and **Brassica juncea* (Indian mustard). The latter two species do not appear to have been previously recorded within the Park, based on the inventory of species listed in the 1995 report by Owens *et al.* The weeds appeared to be localised to the track, with occasional plants sighted up to two metres from the track edge. A large number of populations of **Rieichardia tingitana* were located, although most populations contained fewer than five plants. Six populations of **Sonchus oleraceus/tenerrimus* were located, all of which contained one or two plants and were restricted to the tracks. A single population of **Brassica juncea* was located, centred along the main access track to the exploration camp and adjacent to Site 32.

The most likely source of the original infection is one or more of several cleared farming areas to the south of the exploration area. One of these areas was utilised as the base camp during the 1999 baseline survey, however non-exploration personnel have also accessed the Park via the southern track prior to the 2004 survey. Although precautionary measures were taken to avoid weed infestation of the area, vehicular movements, exploration equipment or personal clothing and footwear may have introduced weeds. A weed reduction programme, comprised of physical removal by hand pulling was conducted concomitant with rehabilitation of tracks in November 2001.

3.3 SENSITIVE FLORA AND VEGETATION

Within the project area one Schedule 9 (Rare) taxon, *Melaleuca leiocarpa* was recorded. A further six species whose distribution appears to be somewhat restricted but which do not currently warrant protective measures were also recorded. The form and broader distribution of these species is discussed in more detail in the Baseline Biological Survey document (*ecologia*, 2000). However, the known conservation status and distribution of these species within the survey area are summarised in Table 3.3.

Table 3.3 Sensitive flora recorded within the survey area

Species	Conservation status in Australia	Conservation status in S.A.	Conservation status in Eyre Peninsula	Locations in the survey area
Melaleuca leiocarpa	Not Significant	Not Rare or Threatened	Rare	Recorded from five locations on the crests and slopes of sand dunes near the southern, northern and eastern boundaries. Its density ranged from sparse (i.e. <5% coverage) to relatively common (5-25% coverage) within the shrub stratum. Previously recorded from a number of locations within the YCP including sites at the western perimeter and to the northeast and east beyond the boundaries of the lease. Recorded at sites 3, 17, 18, 25 and 36 in the exploration lease.
Acacia acanthoclada	Not Significant	Uncommon	Rare	Recorded in the swales between dunes in the south and east of the study area at sparse to rare (i.e. fewer than 10 plants) density. Previously recorded within the study area near the northern and western boundaries, and also further northeast and southwest in the YCP. Recorded at sites 3, 11, 12, 13, 18, 31, 32 and 33 in the exploration lease.
Eremophila paisleyi subsp. ***paisleyi***	Not Significant	Not Significant	Rare	Previously recorded on colluvial plains at the base of a dune approximately 1 km from the western boundary and 1.8 km northeast of the centre point, and on undulating plains and rocky hill slopes approximately 1.5 km north and northeast of the centre point respectively. Density ranges from sparse to relatively common. Previously recorded from two locations approximately 20-25 km to the south east in YCP. Not recorded in the GJV surveys.
Grevillea sarissa subsp***. umbellifera***	Not Significant	Uncommon	Uncommon	Recorded within the study area at six locations; north, east, and ESE of the centre point. Present at sparse densities on dune crests and slopes. Previously recorded in YCP at a number of locations to the south, south-east and north of the study area. Present at Sites 11, 18, 31 and 36 in the exploration lease.
Glischrocaryon aureum var. ***angustifolium***	Not Significant	Not Significant	Uncommon	Recorded at sparse densities in the northern, southern and eastern portion of the study area. Previous records for YCP are presumed identifications from opportunistic collections during the Yellabinna Survey in 1987 and a survey in 1990 of some parts of the YCP. This species prefers dune crests and slopes. Present at Sites 3, 11, 12, 18, 25, 34 and 36 in the exploration lease.
Goodenia quasilibera	Not Significant	Uncertain	Uncertain	Previously recorded on sand dunes in the south and southeast of the survey areas at rare and sparse densities respectively during the 2001 survey. Not previously collected in YCP and seldom collected in S.A. (P. Lang, pers.com.). It is uncertain whether this species was recorded in the in the exploration lease due to the immature condition of annual herb species during 2004 winter collections.

Species	Conservation status in Australia	Conservation status in S.A.	Conservation status in Eyre Peninsula	Locations in the survey area
Cryptandra amara var. ***?floribunda***	Not Significant	Not Significant	Uncommon	Previously recorded on the crests and swales of the dunes in the south, east and northeast of the in the exploration lease. Probably also recorded in previous surveys and opportunistic records for the Yumbarra Conservation Park but previously identified as *C. amara* var. *amara* (P. Lang, pers. com.). Specimens collected within the exploration lease were determined as *C. amara* var. *amara* and occurred at Sites 3, 10, 12, 123, 17, 18, 25, 31, 32 and 34.

4.0 CURRENT FIRE STATUS

A fire scar is evident across the lower third of the study area and extends further south and east of the exploration lease area. This scar was observed during the 1999 baseline survey and is estimated to approximately 6 to 8 years old. There is evidence of more recent fires near the south eastern boundary of the lease (between Sites 2 and 12) and further north near Sites 20, 19 and 40, outside the area of monitoring. The cause of these fires is unknown.

Elsewhere in the area surveyed traces of burning are either absent or very old and the vegetation present is the climax phase with a mature eucalypt canopy, or open to moderately dense shrub stratum present. Aerial photography dating from November 1985 shows a fire scar to the west that extended slightly into the study area at the western area. However, no evidence of fire remained within the monitoring site located within this area.

To date there has been no fires occurring due to exploration activities carried out by the GJV.

5.0 FUTURE MONITORING PROGRAMMES

It is recommended that any future exploration activities by the Gawler Joint Venture or other companies continue floristic surveys in the same locations as those used for the current project. This will ensure a longer period over which to interpret results and assess the impact of exploration activities on the flora of the region. A list of data, including the coordinates of all sites assessed during the current and previous surveys has been supplied to the DEH.

6.0 ENVIRONMENTAL OBJECTIVES

In 1996 the Gawler Joint Venture submitted to the Parliamentary Select Committee an Environmental Assessment and Management Plan (*ecologia,* 1996) which outlined obligations to limit the impact of exploration, providing commitments to be adhered to for proposed exploration and post-exploration activities. The specific commitments for low impact exploration are detailed in the current Declaration of Environmental Factors (GJV, 2001) as submitted to PIRSA. Table 6.1 below details the environmental objectives, management actions and compliance status for the low impact exploration program conducted during 2004.

Table 5.2 details the status of achievement against the environmental management performance indicators identified in the baseline Condition Report (*ecologia*, 2000).

"Phase 1" rehabilitation works were commissioned by Dominion Mining on behalf of the GJV and were completed by Exploration Rehabilitation Services (ERS). These works were inspected by offers of the Department of Primary Industry (PIRSA) and the Department of Environment and Heritage (DEH) on the 27th July 2004. Officers of both agencies agreed that the works undertaken have met the requirements of the Phase 1 rehabilitation. In lieu of completing works associated with "Phase 2" of the rehabilitation liability, it has been agreed that Dominion forward a specified payment to PIRSA, to be held in a holding account until they are required to contribute to final works in the area. This will allow the main track and campsite to remain in a usable state for a potential future exploration operation.

Table 6.1: Status of Compliance with Environmental Objectives and Management Actions.

Environmental Objectives	Management Action	How Commitments Were Met	Status
Minimise Vegetation Disturbance During Exploration	The number of new access tracks created for exploration work should be minimised with full use made of existing tracks.	Existing tracks have been used during exploration activities during Phases 3 and 4	Compliance .
	Any new tracks should be non-graded and put in by 4-wheel drive vehicles with low tyre pressures over a route especially selected along interdune corridors to avoid mature vegetation.	Existing tracks have been used during exploration activities during Phases 3 and	Compliance
	If clearing of vegetation is required, only the upper portion will be removed leaving the rootstock behind.	Only very limited amount of pruning of the upper portions of some vegetation was undertaken. No clearing of vegetation was undertaken.	Compliance Compliance
	Gridlines and access lines avoid vegetation as far as possible deviating around large plants such as eucalypt trees.	All gridlines and access lines where located to avoid vegetation as far as possible deviating around large plants.	Compliance
	Field personnel will keep to the designated camp access tracks, vehicle parking areas and pathways.	All Field personnel kept to the designated camp access tracks, vehicle parking areas and pathways.	Compliance
	To deter third parties use of exploration tracks the departure point from the main track will be disguised. The exit points and initial stages of the new tracks will be blended in with the surrounding environment.	The exit points and initial stages of all new tracks created were blended in with the surrounding environment.	Compliance
	The proponent will take the necessary precautions to prevent fires starting in the park because of exploration activities. All vehicles will be equipped with fire extinguishers complying with the relevant Australian Standards and periods of fire bans will be strictly observed.	Staff inducted on the importance of fire prevention. Fire management has been included in the project Environmental Induction Manual. All field staff undertook the project environmental induction	Compliance

Table 6.1: Status of Compliance with Environmental Objectives and Management Actions.

Environmental Objectives	Management Action	How Commitments Were Met	Status
Vegetation Management Subsequent to Exploration	All tracks created during exploration will be rehabilitated by raking the topsoil to provide microhabitat. If necessary, seeding with locally sourced seeds will occur.	New track take-off points have been rehabilitated. Main access track and campsite to by rehabilitated at date to be determined using funds held in holding account by PIRSA.	Compliance
	All access ways will be made impassable to traffic using natural materials such as mounds, tree trunks and branches that blend into the surrounding environment. Any cleared vegetation will be pulled back over the tracks to facilitate re-vegetation.	Cleared vegetation was pulled back over the tracks to facilitate re-vegetation. The ground surface was also raked.	Compliance
	The proponent will monitor the re-establishment of vegetation annually for a period of two years after the completion of exploration. Results of the monitoring will be included in an Annual Monitoring Report to be submitted to the National Parks and Wildlife in South Australia.	Rehabilitation monitoring was been undertaken during December 2001 and July 2004 following the cessation of all exploration activities by the GJV in August 2001. Results have been submitted.	Compliance
	If revegetation is not progressing to the satisfaction of the authorities, the proponent will implement appropriate measures to remedy this.	The number of perennial native species within defined quadrats was used to assess whether mining had affected upon the vegetation. No significant difference has been detected between impact and control sites during 2004.	Compliance
Minimise disturbance to fauna during exploration	No domestic animals or firearms will be brought into the park.	No domestic animals or firearms were brought into the park.	Compliance
	All drill holes will be plugged using concrete plugs immediately upon completion of drilling.	All exploration holes were filled.	Compliance
Prevent the introduction of new weed species into Yumbarra Conservation Park.	The proponent will ensure that all vehicles are thoroughly cleaned prior to entering or re-entering the area, particularly the under body and tyres.	All vehicles were cleaned prior to entering or re-entering YCP, particularly the under body and tyres in full compliance with hygiene requirements.	Compliance

Table 6.1: Status of Compliance with Environmental Objectives and Management Actions.

Environmental Objectives	Management Action	How Commitments Were Met	Status
Prevent the introduction of new weed species into Yumbarra Conservation Park cont.	Monitoring of vegetation will be conducted after substantial rainfall events when weed species are likely to be most evident.	Monitoring of vegetation was conducted during November 2001 and July 2004. These surveys followed favourable rains. Three weed species were recorded in 2001, two of which had not been previously recorded in the lease. No weeds were detected during 2004 but this may have been due to insufficient time elapsing subsequent to the rains for germination of weeds.	Indeterminate
	The proponent will carry out eradication programs should any noxious or major environmental weed species be introduced in the exploration area due to the activities of the explorer.	A weed management programme was instigated in liaison with PIRSA additional weed populations were recorded.	Compliance
Prevent pollution of the soil or groundwater	The proponent will locate campsites outside the Yumbarra Conservation Park where practical. If campsites are located in the park, they will be situated on a flat, clear site and clearing of any vegetation will be avoided.	The exploration camp was located within the YCP @ 6500890 N, 36700 E in an area of open Eucalypt woodland. Due to the sparsity of vegetation in this area, it was possible to avoid all clearance of vegetation.	Compliance
	The proponent will not dispose of rubbish within the park and will keep camps in a tidy order.	The camp was kept tidy and all rubbish was disposed outside of Yumbarra Conservation Park.	Compliance
	Whereas holes and infills have previously been used as toilets in the first stage of exploration, transportable toilets will be used if a camp is temporarily located within the Park.	During the initial calcrete phase of exploration, portable chemical toilets were used. During the second auger-phase, a hole was drilled and filled at completion of activities.	Partial compliance
	If groundwater is located during drilling operations, downhole cementing will be used to prevent pollution of aquifers.	No groundwater was been located during auger drilling operations.	Not applicable

Table 6.1: Status of Compliance with Environmental Objectives and Management Actions.

Environmental Objectives	Management Action	How Commitments Were Met	Status
Prevent pollution of the soil or groundwater cont.	Water coming from drillholes will be tested for salinity. Non-saline water will be directed onto vegetation and water determined to be saline will be contained and disposed of at an appropriate site.	Not applicable	Not applicable
	No plastic flagging will be used for griding. If temporary markers are required, only biodegradable flagging will be used.	No flagging tape was used during Phases 3 or 4.	Compliance
	The proponent will immediately notify the relevant state authority in the event of an accident such as an oil or fuel spill.	No hydrocarbon spills occurred during exploration.	Not applicable
	In the event of a fuel/oil spill or leak, the proponent will remove all contaminated soil from Yumbarra Conservation Park and dispose of it at an appropriate waste disposal site.	Not applicable	Not applicable

7.0 STUDY TEAM

The Yumbarra EL 2685 Environmental Monitoring Assessment Report, described in this document was planned, coordinated, and executed by:

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Project Staff

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Appendix A

Flora Species List

Appendix A: List of flora species collected from the Monitoring quadrats

Classification and nomenclature according to R. J. Hnatiuk (1990), Census of Australian Vascular Plants.

Family	Species
AMARANTHACEAE	*Ptilotus exaltatus*
APIACEAE	*Daucus glochidiatus*
ASTERACEAE	*Cratystylis conocephala* *Gnephosis pusilla* *Helichrysum leucopsideum* *Olearia exiguifolia* *Olearia languinosa* *Olearia muelleri* *Olearia pimeleoides* *Ozothamnus decurrens* *Podolepis capillaris* *Waitzia acuminata*
BORAGINACEAE	*Halgania andromedifolia* *Halgania cyanea*
CAESALPINIACEAE	*Senna artemisioides* subsp. *filifolia* *Senna artemisioides* subsp. *sturtii*
CASUARINACEAE	*Allocasuarina muelleriana* subsp. *muelleriana*
CHENOPODIACEAE	*Atriplex paludosa* subsp. *cordata* *Maireana pentatropis* *Maireana radiata* *Rhagodia crassifolia* *Rhagodia preissii* subsp. *preissii* *Rhagodia* sp. (seedling) *Sclerolaena parviflora*
CHLOANTHACEAE	*Dicrastylis verticillata*
CUPRESSACEAE	*Callitris verrucosa*
CYPERACEAE	*Gahnia lanigera* *Lepidosperma viscidum* *Schoenus subaphyllus*

Family	Species
DASYPOGONACEAE	*Lomandra collina* *Lomandra leucocephala* subsp. *robusta* *Lomandra* sp.(terete leaf)
EPACRIDACEAE	*Leucopogon cordifolius*
EUPHORBIACEAE	*Beyeria leschenaultii* *Beyeria opaca*
GOODENIACEAE	*Goodenia ?glabra* *Goodenia robusta* *Goodenia* sp. 1 *Goodenia* sp. 2 *Scaevola spinescens* *Velleia connata*
GYROSTEMONACEAE	*Gyrostemon ramulosus*
HALORAGACEAE	*Glischrocaryon aureum* var. *angustifolium*
LAMIACEAE	*Westringia rigida*
LAURACEAE	*Cassytha melantha*
LOGANIACEAE	*Logania nuda*
MALVACEAE	*Alogyne huegelii*
MIMOSACEAE	*Acacia acanthoclada* subsp. *acanthoclada* *Acacia colletioides* *Acacia ligulata* *Acacia merrallii* *Acacia oswaldii* *Acacia rigens*
MYOPORACEAE	*Eremophila crassifolia* *Eremophila decipiens* *Eremophila scoparia* *Eremophila* sp. 1

Family	Species
MYRTACEAE	*Eucalyptus calcareana* *Eucalyptus ceratocorys* *Eucalyptus gracilis* *Eucalyptus oleosa* *Eucalyptus yumbarrana* subsp. *yumbarrana* *Homoranthus wilhelmii* *Leptospermum coriaceum* *Melaleuca eleuterostachya* *Melaleuca lanceolata* *Melaleuca leiocarpa* *Microcybe multiflora*
PAPILIONACEAE	*Aotus subspinescens* *Daviesia benthamii* subsp. *benthamii* *Daviesia ulicifolia* subsp. *aridicola* *Dillwynia uncinata* *Eutaxia microphylla* var. *microphylla* *Pultenaea elachista*
PHORMIACEAE	*Dianella revoluta*
PITTOSPORACEAE	*Billardiera cymosa* *Pittosporum angustifolium*
POACEAE	*Austrostipa mollis* *Austrostipa scabra* subsp. *scabra* *Austrostipa* sp. *Triodia scariosa*
POLYGALACEAE	*Comesperma scoparium*
PROTEACEAE	*Grevillea huegelii* *Grevillea pterosperma* *Grevillea sarissa* subsp. *umbellifera* *Hakea francisiana*
RHAMNACEAE	*Cryptandra amara* var. *amara* *Stenanthemum leucophractum*
RUBIACEAE	*Opercularia turpis*

Family	Species
RUTACEAE	*Boronia coerulescens* subsp. *coerulescens* *Geijera linearifolia*
SANTALACEAE	*Exocarpos aphyllus* *Exocarpos sparteus* *Santalum acuminatum* *Dodonaea bursariifolia* *Dodonaea stenozyga* *Dodonaea viscosa* subsp. *angustissima*
SOLANACEAE	*Grammosolen truncatus* *Solanum coactifilerium*
STACKHOUSIACEAE	*Stackhousia ?muricata*
ZYGOPHYLLACEAE	*Zygophyllum apiculatum* *Zygophyllum aurantiacum*

Appendix B

Species by Site Matrix

SPECIES	SITE																								
	1	**2**	**3**	**6**	**8**	**10**	**11**	**12**	**13**	**16**	**17**	**18**	**19**	**20**	**25**	**26**	**28**	**31**	**32**	**33**	**34**	**35**	**36**	**40**	**41**
Acacia acanthoclada ssp. acanthoclada			T				N	N	T			N						1	2	N					
Acacia colletioides													1				1							2	
Acacia ligulata			T	N		N		2	2		1	1			T			T					T		
Acacia merrallii		N								N			1	N											
Acacia oswaldii					I	T							N				N								N
Acacia rigens			N					N														N			
Allocasuarina muelleriana ssp. muelleriana									T		T														
Alogyne huegelii																1									
Aotus subspinescens								T	T		1	N			1						N				
Atriplex paludosa ssp. cordata													N	T										1	
Austrostipa ?scabra ssp. scabra	N																								
Austrostipa mollis																T									
Austrostipa scabra ssp. scabra					>												T								
Austrostipa sp.																	1			T					
Beyeria leschenaultii			T									N						N							
Beyeria opaca				N				2	1			1									1		1		
Billardiera cymosa									N												N				
Boronia coerulescens ssp. coerulescens			T				T				N				1						1		N		
Callitris verrucosa			N					T	1						2								1		
Cassytha melantha	T			1	1	T		1				1			I				N				T		
Comesperma scoparium			1						N		T	T			T			T	N				N		
Cratystylis conocephala													T											1	
Cryptandra amara var. amara			1			N		T	T		N	T			N			T	1		T				
Daucus glochidiatus																1									
Daviesia benthamii ssp. benthamii				N								T						T	N						
Daviesia ulicifolia ssp. aridicola									T		1	N			1						1		1		
Dianella revoluta			N			N		N				T						N	N		N	N			
Dicrastylis verticillata							T							N											
Dillwynia uncinata			1						T		N	T			T						T		T		
Dodonaea bursariifolia			1	N		1	1						N	T		1		T	1	1	T	T			
Dodonaea stenozyga		1		1		N		N																	
Dodonaea viscosa ssp. angustissima	1			1						N															
Eremophila crassifolia						1	T																		
Eremophila decipiens					N					N			1	1		N								1	
Eremophila scoparia		1			1					1			2	N			2							1	N
Eremophila sp. 1														N		1									

SPECIES	SITE																								
	1	**2**	**3**	**6**	**8**	**10**	**11**	**12**	**13**	**16**	**17**	**18**	**19**	**20**	**25**	**26**	**28**	**31**	**32**	**33**	**34**	**35**	**36**	**40**	**41**
Eremophila weldii		N		1		1								N											
Eucalyptus calcareana				2				2	T		T	2			T						2	2			
Eucalyptus ceratocorys			T						T		T				2						2		2		
Eucalyptus gracilis	1				1	T	2						3			1				2				T	2
Eucalyptus oleosa	1	3		T	2					3			2	2		1	3	1						3	2
Eucalyptus oleosa?			T																T						
Eucalyptus yumbarrana ssp. yumbarrana		2	3	3		3	2		T			2			2	2		2	2	2	1	3	2		
Eutaxia microphylla var. microphylla						1												T	T						
Exocarpos aphyllus	N	T			1					N			N				N							T	N
Exocarpos sparteus			T			T		N	T									T	1						
Gahnia lanigera			T			T						T						1	N	2		1	N		
Geijera linearifolia	N	1			2					N							T							1	T
Glischrocaryon aureum var. angustifolium			1					T	T			T			T						T		N		
Gnephosis pusilla																				T		1			
Goodenia glabra?																1									
Goodenia robusta							1									1									
Goodenia sp. 1																			N	1		1			
Goodenia sp. 2																1									
Grammosolen truncatus			N					2	1		T	1			T						T		1		
Grevillea huegelii		T		T	N	N				N			1	N								N		N	*
Grevillea pterosperma									N		1				N										
Grevillea sarissa ssp. umbellifera							N					T						N					1		
Gyrostemon ramulosus									N						T										
Hakea francisiana			N					1	T		N	2			1			N			T		1		
Halgania andromedifolia						1							T	1											
Halgania cyanea			1			1	N									1		T	T						
Helichrysum leucopsideum							T		T			T				1					1		N		
Homoranthus wilhelmii															T										
Lepidosperma viscidum			1									N						N	N	N		T	N		
Leptospermum coriaceum			N					T	3		4	2			1						2		2		
Leucopogon cordifolius								T	N		1	1			1				N				1		
Lomandra collina			1															1							
Lomandra leucocephala ssp. robusta			1					N				T			N						T		T		
Lomandra sp. terete leaf															N						2				
Maireana pentatropis													N	T			1							1	

SPECIES	SITE																								
	1	**2**	**3**	**6**	**8**	**10**	**11**	**12**	**13**	**16**	**17**	**18**	**19**	**20**	**25**	**26**	**28**	**31**	**32**	**33**	**34**	**35**	**36**	**40**	**41**
Maireana radiata													N												
Malvaceae sp														T											
Melaleuca eleuterostachya		2	2	3	N	2	2	2	2	2	I	1	1	2	1	2		2	3	4	1	3	1		
Melaleuca lanceolata		2	T	1		1		1	1		N	1		2				N			T		1		
Melaleuca leiocarpa			T								T	2			T								1		
Microcybe multiflora				1		1																			
Olearia exiguifolia				1		T	N													1	N	1			
Olearia languinosa																					T				
Olearia muelleri	1	1			1					1							2							1	1
Olearia pimeleoides																			N						
Opercularia turpis			T			T	1											T	T						
Ozothamnus decurrens						N																			
Pittosporum angustifolium	1																1								1
Podolepis capillaris							1									1				1	T	1			
Ptilotus exaltatus														T											
Pultenaea elachista						N																			
Rhagodia crassifolia	1				1					1			T				1							1	1
Rhagodia preissii ssp. preissii	1							T		N		T					1				N				1
Santalum acuminatum	1	1		1	1	1				T			T				2		N				N	1	1
Scaevola spinescens	1	1		N	2	N				2					N		2							T	2
Schoenus subaphyllus			1					T			N				T			1		T	T	T	N		
Sclerolaena parviflora														N						T					
Senna artemisioides ssp. filifolia													T											1	
Senna artemisioides ssp. sturtii	2				1					1							T							N	
Solanum coactifilerium							1							1		1									
Stackhousia muricata?														1											
Stenanthemum leucophractum																			N						
Triodia scariosa		2	2	3		3	1	2	2	T	2	2	3	1	2	1		3	3	2	2	2	2	1	
Velleia connata							T									T									
Waitzia acuminata?							T												N	1		1			
Westringia rigida	1	1		T		N				1			1											T	
Zygophyllum ?aurantiacum		1																							
Zygophyllum apiculatum					1					1				T											1
Zygophyllum aurantiacum	1			1	1									N			1	1							1