Open File Envelope
No. 9145

EL 2127 / EL 2774 / EL 3476

WOMPINIE

PROGRESS, ANNUAL AND FINAL REPORTS TO LICENCE EXPIRY/SURRENDER FOR THE PERIOD 24/11/1995 TO 5/12/2008

Submitted by
MIM Exploration Pty Ltd, Polymetals Mining Services Pty Ltd and Exco Resources NL
2009

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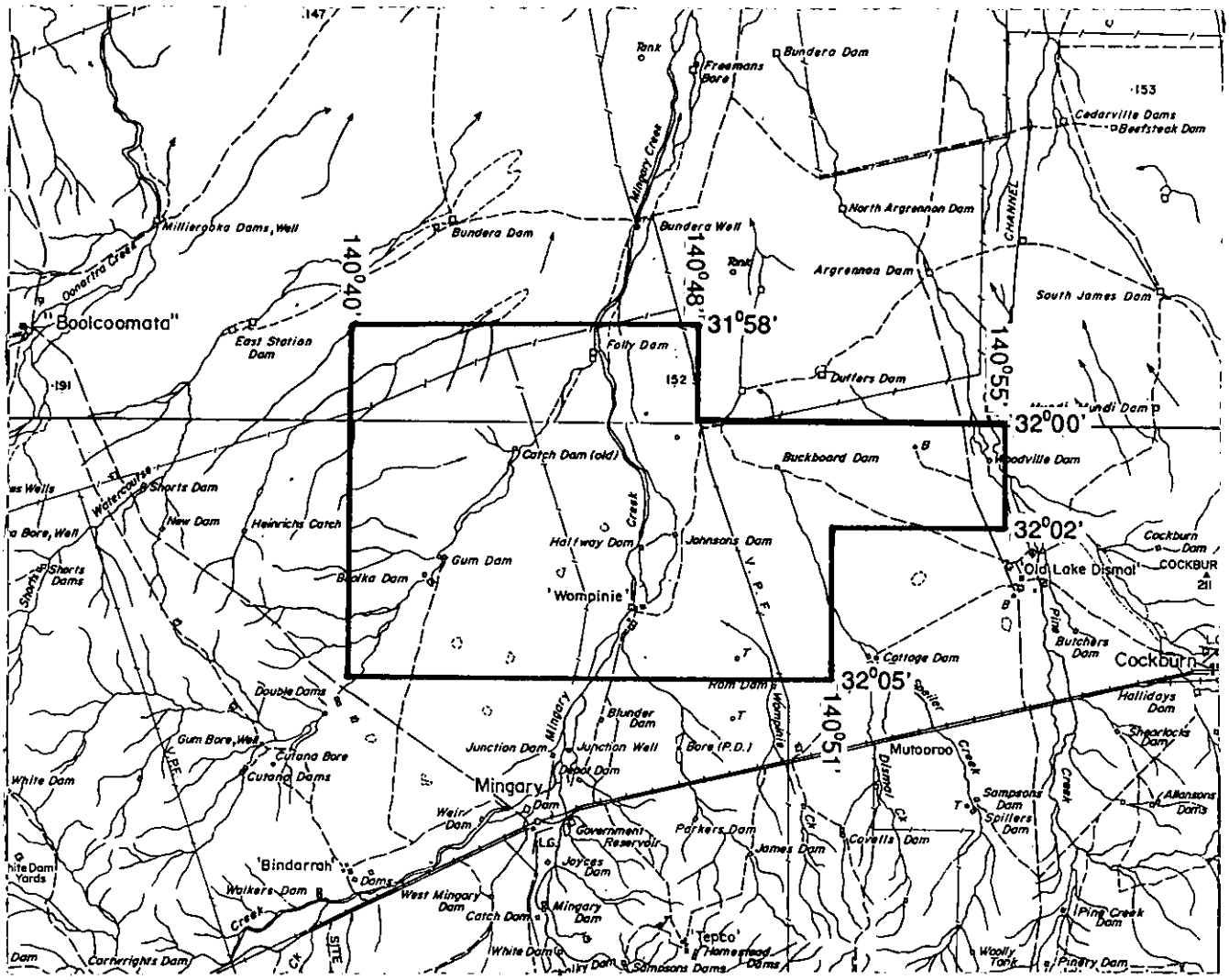
Minerals and Energy Resources
7th Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880

Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



EXPIRED

SCALE 1 : 250 000

5 0 5 10 15 20 25

KILOMETRES

APPLICANT : **MOUNT ISA MINES LTD. , WESTERN METALS RESOURCES LTD. , NORMANDY MINERALS LTD.**

DM : **314/95**

AREA : **230** square kilometres (approx.)

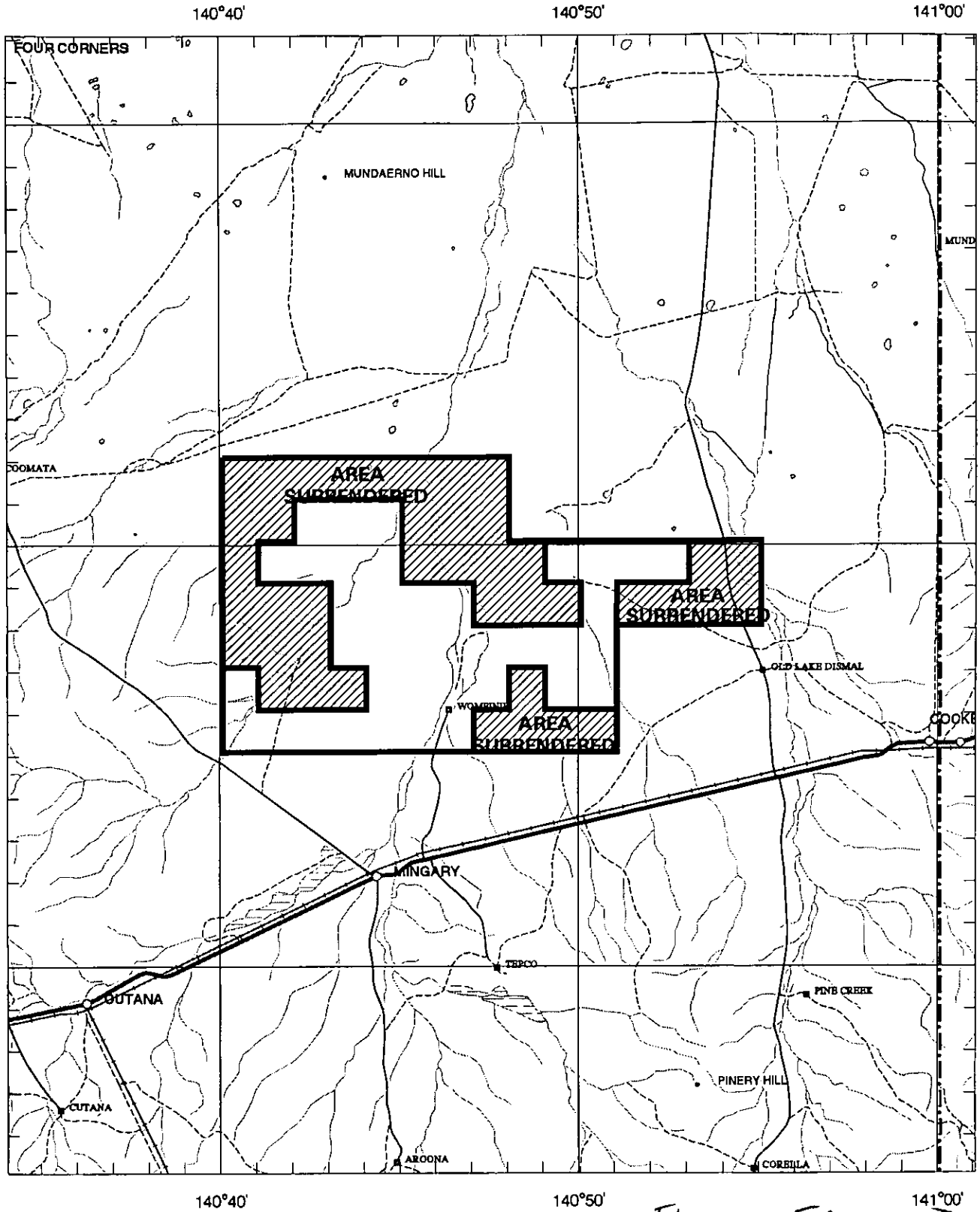
1:250 000 PLANS : **CURNAMONA , OLARY**

LOCALITY : **WOMPINIE AREA - Approximately 50 km northeast of Olary**

DATE GRANTED : **24 Nov 1995** DATE EXPIRED : **23 Nov 1996** **EL No : 2127**

97
99
2000

SCHEDULE A



EXPIRED

SCALE 1: 250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

LICENCE GRANTED IN : DATUM AGD66

GDA GEODETIC DATUM OF AUSTRALIA

APPLICANT : **POLYMETALS AUSTRALIA PTY LTD**

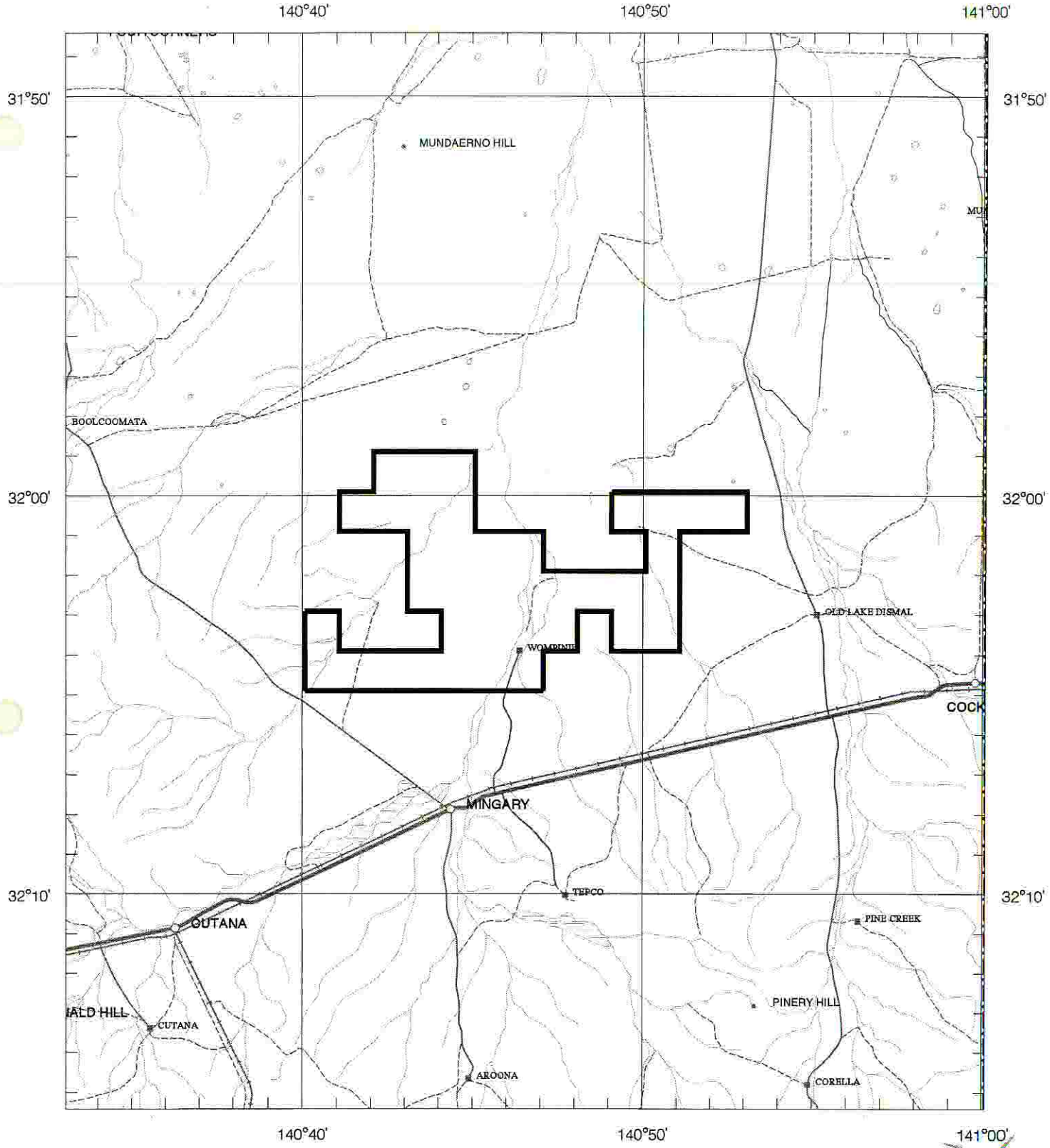
FILE REF : **80/00** TYPE : **MINERAL ONLY** AREA : **110** km² (approx.)

1:250000 MAPSHEETS : **CURNAMONA OLARY**

LOCALITY : **WOMPINIE AREA - Approximately 50 km northeast of Olary**

DATE GRANTED : **23-Nov-2000** DATE EXPIRED : **22-May-~~2004~~** 2005 EL NO : **2774**

SCHEDULE A



SCALE 1:250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

LICENCE GRANTED IN : DATUM AGD66

GDA GEOCENTRIC DATUM OF AUSTRALIA

APPLICANT : **BIMBA MINING LTD, POLYMETALS (SA) PTY LTD**

FILE REF : **739/05** TYPE : **MINERAL ONLY** AREA : **110** km² (approx.)

1:250000 MAPSHEETS : **CURNAMONA OLARY**

LOCALITY : **WOMPINIE AREA - Approximately 50 km northeast of Olary**

DATE GRANTED : **06-Dec-2005** DATE EXPIRED : **05-Dec-2006** EL NO : **3476**

Expired

M.I.M. EXPLORATION PTY LTD

(ACN 009 681 118)

TECHNICAL REPORT

No. 2723

TITLE:	**EL 2127 "WOMPINIE"** **ANNUAL REPORT FOR THE YEAR ENDING NOVEMBER 24, 1996**
ISSUING DEPARTMENT:	**EXPLORATION**
AUTHOR:	**M. McGEOUGH**
INVESTIGATIONS CONDUCTED BY:	**M. McGEOUGH, S. BUSUTTIL**
SUBMITTED BY:	**M. McGEOUGH**
DATE:	**JANUARY 1997**

DISTRIBUTION

1. **M.I.M. EXPLORATION PTY LTD - ADELAIDE**

2. **M.I.M. EXPLORATION PTY LTD - BRISBANE**

3. **ABERFOYLE RESOURCES LTD**

4. **NORMANDY MINERALS LTD**

5. **MINES AND ENERGY SOUTH AUSTRALIA**

6. **MINES AND ENERGY SOUTH AUSTRALIA**

Approved for Distribution:

Mark McGeough.

M. McGeough

District Geologist - South Australia

KEY WORDS

WILLYAMA SUPER GROUP

MAGNETIC ANOMALY

IP ANOMALY

-80 MESH SOIL SAMPLING

MAGNETITE

TABLE OF CONTENTS

DRAWINGS

Drawing Number	Title	Scale
51211	Soil Sample Locations - Catch Dam Prospect	1:10 000
51216	EL 2127 RTP SAEI Data with Ground Magnetic Traverses	1:100 000

LIST OF FIGURES

M.I.M. EXPLORATION PTY LTD

EL 2127 "Wompinie"

Annual Report
for the Year ending

NOVEMBER 24, 1996

1. INTRODUCTORY SUMMARY

Exploration Licence No. 2127 "Wompinie" is located approximately 20 km by road, north-east of the Olary Township (Figure 1). The licence covering 230 km^2 was granted originally for one year on November 24, 1995.

MIM Exploration are operators in a joint venture agreement with Aberfoyle Resources Ltd and Normandy Minerals Ltd to explore this licence.

Three traverses of ground magnetics, 100m dipole-dipole IP and 200m moving loop EM were carried out. One of these lines was also soil sampled using -80 mesh size fraction at 100m intervals.

Three lines of 100m dipole-dipole IP defined two chargeable anomalies near two old RAB holes drilled by Aberfoyle.

2. LOCATION and ACCESS

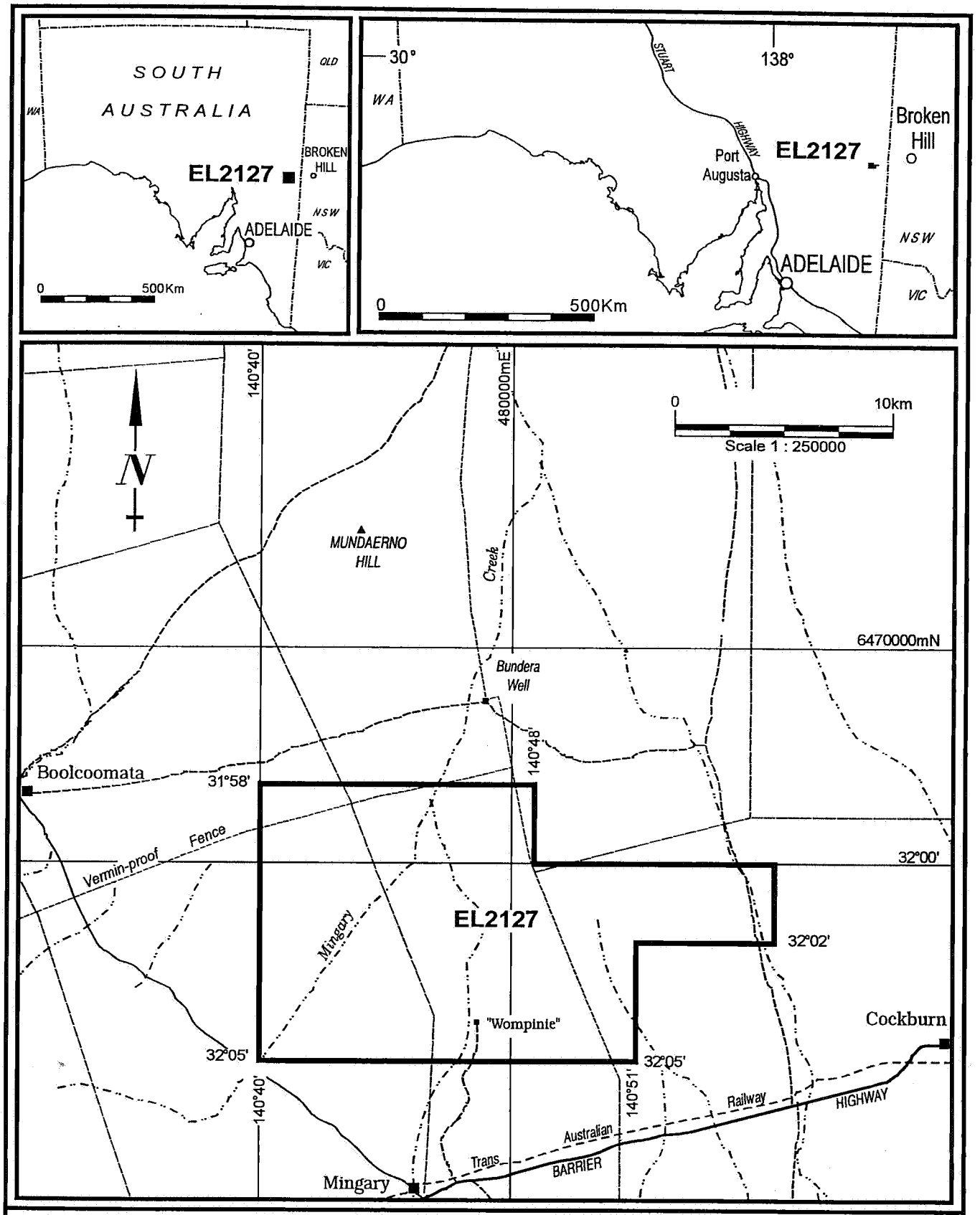
Most of the Licence area lies on the Olary (SI54-2) 1:250 000 scale sheet with a small part on Curnamona (S54-14).

It is accessed via station tracks leading from the Barrier Highway.

3. TENURE

Exploration Licence No. 2127 was granted to Aberfoyle Resources Ltd on November 24, 1995. The licence was renewed for a second year on November 24, 1996 with an expenditure commitment of $55,000.

MIM Exploration Pty Ltd are spending $200,000 to project expenditure, in conjunction with two other licences, during the initial earn in period with an option to expend a further $550,000 to earn 60%.



MIM EXPLORATION

M.I.M. EXPLORATION PTY LTD

A.C.N. 009 681 118

PROJECT / TITLE :

EL2127 WOMPINIE

LOCATION PLAN

Mining District or Region: OLARY / WILYAMA BLOCK			Compiled by : RE	Scale : 1:250000
Revised by :	Date :	1 : 250 000 Ref : SI54-2	Drawn by : REMc	Date : 18/6/96
		1 : 100 000 Ref : 7033	Drwg No : 51103	Fig. No. 1

4. REGIONAL GEOLOGY

The licence is underlain by metasediments of the Willyama Super Group. Outcrop is very limited with most of the licence covered by around 5m to 12m of Tertiary. Airborne magnetic data shows a number of magnetic linear features which could be reflecting both stratigraphy and major faults. A magnetic image processed from the MESA magnetic dataset with the geophysical traverses marked on is given as Drawing 51216. Detailed geology is given in the Olary and Curnamona 1:250 000 geological notes.

5. PREVIOUS EXPLORATION

This licence was part of the Aberfoyle magnetic survey flown in 1990. Ground reconnaissance rock chip sampling in the Catch Dam area reported anomalous mercury and weak copper anomalies from ferruginous outcrops. Three traverses of widely spaced RAB holes in April 1993 provided a broad geochemical and lithological coverage. Two holes W56 and W57 reported anomalous Pb, Zn and Au about 2 km north of Catch Dam.

6. EXPLORATION conducted by MIM EXPLORATION in 1996

One full traverse, and three traverses partially in EL 2127, of ground magnetics, 100m dipole-dipole IP and 200m moving loop EM were completed across airborne magnetic anomalies. Three lines of 100m dipole-dipole IP (Lines 11 to 13) were also completed over holes W56 and W57 (old Aberfoyle drill holes). The location of the traverses is shown on Drawing No. 51216 and full details are given in Appendix 2.

No significant EM responses were recorded.

A chargeable IP anomaly is seen at the eastern end of Line 10, possibly due to the Pelitic Suite in the core of a syncline. Lines 11 to 13 all report significant chargeable IP responses at reasonable depths. This corresponds to a magnetically quiet zone.

Line 10 was soil sampled at 100m intervals due to the thin soil cover. The soil sample locations are shown on Drawing No. 51211 and the results given in Appendix 1. The results for copper and gold are not considered significant.

7. CONCLUSIONS

A significant chargeable IP source has been defined close to previously drilled holes with anomalous Pb, Zn and Au.

To date, SIROTEM has been unsuccessful in finding conductive horizons.

Soil sampling using -80 mesh failed to find significant mineralisation on Line 10.

8. FUTURE WORK

- A significant chargeable IP source has been defined close to previously drilled holes with anomalous Pb, Zn and Au.

- To date, SIROTEM has been unsuccessful in finding conductive horizons.

- Soil sampling using -80 mesh failed to find significant mineralisation on Line 10.

- Drill four percussion holes to assess the IP anomalies on Lines 10,12 and 13.

MOUNT ISA MINES LIMITED

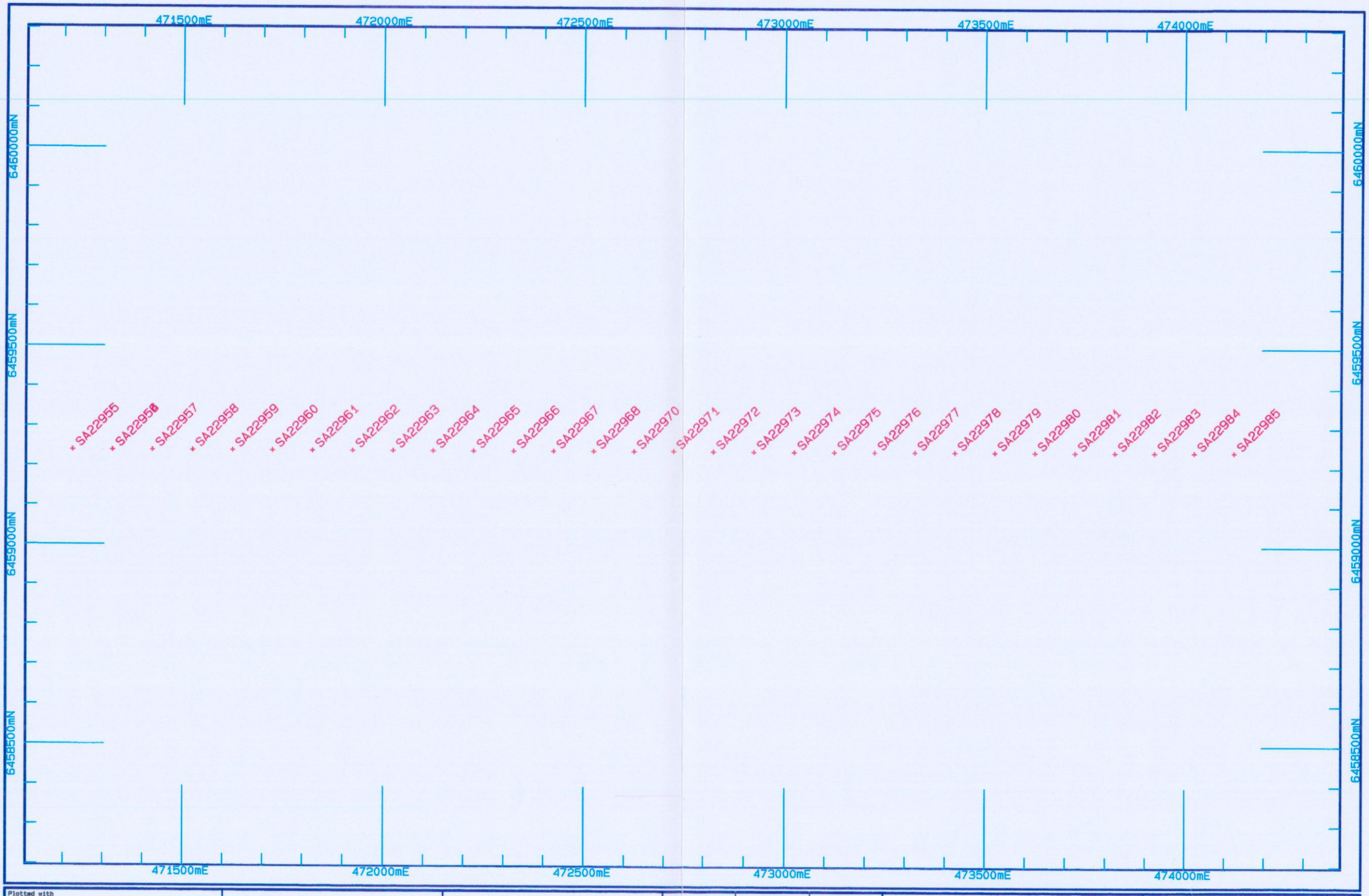
EL 2127 WOMPINIE

STATEMENT OF EXPENDITURE FOR 12 MONTHS ENDED NOVEMBER 23, 1996

LABOUR	8,356	
SUPPLIES - OFFICE	0	
SUPPLIES - FIELD	0	
GENERAL - FIXED	1,101	
GENERAL - VARIABLE	637	
TRAVEL & ACCOMMODATION	0	
ASSAYS	448	
AERIAL GEOPHYSICS	0	
DRILLING	0	
CONTRACT & CONSULTING - INTERNAL	0	
CONTRACT & CONSULTING - EXTERNAL	11,016	
RESEARCH	0	
LAND TENURE & ENVIRONMENT	1,828	
TOTAL DIRECT COST		23,386
ADD: TECHNICAL SUPPORT & ADMINISTRATION		7,101
TOTAL PROJECT EXPENDITURE TO DATE		**$ 30,487**

C Rudzinskas

Klevas Rudzinskas
Tenement Officer - Eastern Australia



Plotted with

MICROMINE
Resources Software
Perth, Australia
Tel +61 9 389 8722
Fax +61 9 386 7462

LINE10 MINUS80# SOILS
CATCHDAM PROSPECT

AMG COORDINATES

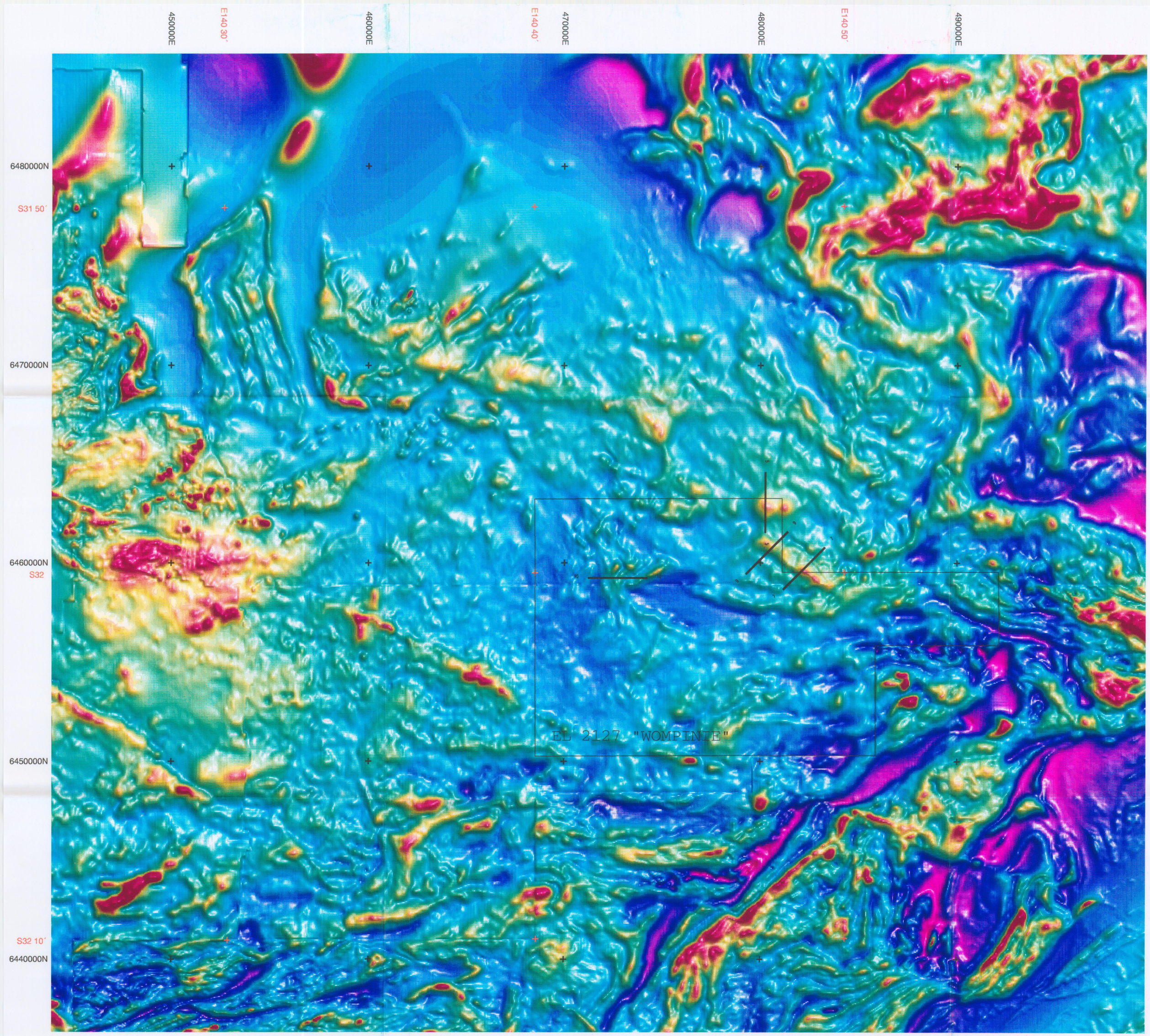
Scale	DATE	SHEET
1: 10000	06/01/97	1 of 1
	REF No. 51211	FILE CATCHSOL.PLT

0 500m

EL 2127 "WOMPINIE"

CATCHDAM PROSPECT
SOIL SAMPLE LOCATIONS

MIM Exploration Pty Ltd



MIM EXPLORATION PTY. LTD.

CENTRAL AUSTRALIA

REVISIONS					
Init.	Date	Init.	Date	SOUTH AUSTRALIA OLARY EL 2127 WOMPINIE RTP SAEI data with Ground Magnetic Traverses Residual Image	Compiled: SB
					Printed: DesignJet
					Traced: initials
Map Projection:TMAMG54					Checked: initials
Geodetic Datum:AGD66					
Location Code:				Scale: 1:100000	Date: 6.5.96

Drawing No. 51216

Appendix 1

Soil Sample Results

EL 2127 WOMPINIE. 1996 SOIL SAMPLES

SAMPLE	TYPE	AMGE	AMGN	AU GG334	AUR	CU	PB	ZN	AG	CO	NI	MO	AS	FE	MN	BI	PROSPECT	YR
SA22954	80#	471325	6459240	0.004	-	22	5	42	1	9	14	5	5	26800	373		CATCHDAM	96
SA22955	80#	471225	6459240	0.003	-	20	6	39	1	7	14	5	6	24000	335		CATCHDAM	96
SA22956	80#	471325	6459240	0.007	0.008	21	7	49	1	9	18	5	6	29439	370		CATCHDAM	96
SA22957	80#	471425	6459240	0.002	0.002	21	7	47	1	9	19	5	6	28148	371		CATCHDAM	96
SA22958	80#	471525	6459240	0.001	-	22	5	44	1	9	17	5	5	27000	393		CATCHDAM	96
SA22959	80#	471625	6459240	0.002	-	36	12	43	1	11	20	5	5	28466	436		CATCHDAM	96
SA22960	80#	471725	6459240	0.002	-	24	7	50	1	11	18	5	6	29439	415		CATCHDAM	96
SA22961	80#	471825	6459240	0.002	-	26	7	44	1	9	19	5	7	29637	412		CATCHDAM	96
SA22962	80#	471925	6459240	0.004	-	23	5	46	1	9	16	5	6	30440	405		CATCHDAM	96
SA22963	80#	472025	6459240	0.001	-	18	8	40	1	7	13	5	5	25294	378		CATCHDAM	96
SA22964	80#	472125	6459240	0.001	-	24	13	54	1	7	16	5	6	31005	397		CATCHDAM	96
SA22965	80#	472225	6459240	0.002	-	28	13	45	1	9	16	5	8	30054	363		CATCHDAM	96
SA22966	80#	472325	6459240	0.001	-	17	9	42	1	6	12	5	5	25963	367		CATCHDAM	96
SA22967	80#	472425	6459240	0.001	-	24	10	38	1	7	16	5	6	28718	345		CATCHDAM	96
SA22968	80#	472525	6459240	0.001	-	18	8	27	1	5	11	5	4	23958	270		CATCHDAM	96
SA22970	80#	472625	6459240	0.002	-	28	13	30	1	7	14	5	3	26200	244		CATCHDAM	96
SA22971	80#	472725	6459240	0.002	-	61	11	33	1	7	16	5	5	21435	277		CATCHDAM	96
SA22972	80#	472825	6459240	0.001	-	27	13	30	1	5	11	5	4	32198	297		CATCHDAM	96
SA22973	80#	472925	6459240	0.001	-	28	13	36	1	9	21	5	6	34973	313		CATCHDAM	96
SA22974	80#	473025	6459240	0.001	-	33	10	36	1	6	15	5	6	24811	300		CATCHDAM	96
SA22975	80#	473125	6459240	0.0005	-	16	9	25	1	6	12	5	4	23744	398		CATCHDAM	96
SA22976	80#	473225	6459240	0.001	-	22	11	35	1	7	14	5	5	28066	369		CATCHDAM	96
SA22977	80#	473325	6459240	0.001	-	28	15	53	1	8	19	5	6	30785	408		CATCHDAM	96
SA22978	80#	473425	6459240	0.002	-	20	11	33	1	7	16	5	5	26226	421		CATCHDAM	96
SA22979	80#	473525	6459240	0.001	-	21	11	33	1	6	15	5	5	26863	341		CATCHDAM	96
SA22980	80#	473625	6459240	0.001	-	18	11	35	1	7	14	5	4	28511	387		CATCHDAM	96
SA22981	80#	473725	6459240	0.001	-	22	11	40	1	6	14	5	7	27364	304		CATCHDAM	96
SA22982	80#	473825	6459240	0.001	-	23	12	45	1	7	13	5	5	28725	372		CATCHDAM	96
SA22983	80#	473925	6459240	0.001	-	23	13	66	1	8	15	5	7	28679	435		CATCHDAM	96
SA22984	80#	474025	6459240	0.003	-	29	12	68	1	8	16	5	10	30151	410		CATCHDAM	96
SA22985	80#	474125	6459240	0.002	0.001	24	11	36	1	7	10	5	6	25446	354	0	CATCHDAM	96

Appendix 2

Geophysical Report

M.I.M. Exploration Pty. Ltd.

A member of the M.I.M. Group of companies

MIM EXPLORATION

MEMORANDUM

TO	:	MARK MCGEOUGH
FROM	:	STEPHEN BUSUTTIL
DATE	:	11 NOVEMBER, 1996
SUBJECT	:	REPORT ON OLARY GEOPHYSICS 1996

Survey Specifications

IP

a-spacing	100m dipole / dipole
on / off time	2 second on / off time

Moving Loop TEM

Receiver	Sirotem Mk III
Transmitter	SATX
Configuration	200 x 200m moving loop
RX location	one in loop reading
Readings	At each station 6 readings were taken 2 each a gains .1, 1 and 10
Time series	43 "Early time" windows
Sampling Delay	none
Nominal Ramp time	.351 μ s
Nominal TX current	12 Amps
Station spacing	200m (ie contiguous loops)

Fixed Loop TEM

same as for moving loop except for the following:

Station spacing	50m
Configuration	fixed TX moving RX (refer to loop plan attached)
RX Location	refer to plan attached
Readings	4 readings 2 each at gains .1 and 10
Nominal Ramp	unknown
TX Current	6 Amps

Interpretation

The IP pseudosections and EM profiles are presented in figures 2-20. Anomalies of interest have been identified in the EM data for line 7 and in the IP data for lines 10-13. Each of these are discussed below

Line 10 IP Anomaly - A smooth model inversion of the Line 10 IP (attached) data indicates two sources corresponding to the two pants leg anomalies seen in the chargeability pseudosection. The area of seemingly high chargeability response (refer to pseudosection figure 17), centred on 73050, is interpreted as the point where the two adjacent pants legs coalesce. The IP targets are located within a hinge of a fold as defined by the aeromagnetics. A dip is difficult to interpret however the increased intensity of the eastern pants leg in both resistivity and chargeability indicate an easterly dip (which would indicate that the fold is a synform).

Lines 11-13 IP Anomalies - All three lines contain chargeability anomalies which are interpreted to map a common zone of high chargeability. The zone of high chargeability correlates well with a low magnetic zone defined by the aeromagnetics (see Drawing 51195). The line 11 anomaly also coincides with Pb and Zn anomalism detected in two drill holes drilled by Aberfoyle.

This zone of high chargeability (which is seen as a pants leg anomaly roughly in the centre of each pseudosection) is closest to surface at line 12 getting deeper as you move west. Anomalous amplitudes reach about 8 msecs over a background of about 2 msecs. The smooth model inversion calculated from this data indicated depth to top of the source of around 100m which is probably as much a function of the dipole separation as it is the geology.

In addition to the central anomaly a strong chargeability anomaly as seen at the southern end of line 12. The anomaly is truncated by the end of the line so no inference can be made on the geometry of the source. The amplitude of the chargeability's coupled with a lack of a strong resistivity response indicates that the source is probably not a graphitic shale. It has been inferred (pers. comms. M. McGeough) that the source is probably due to disseminated pyrite within the Pelite suite.

Smooth model inversions for lines 11-13 are given in figures 36-38.

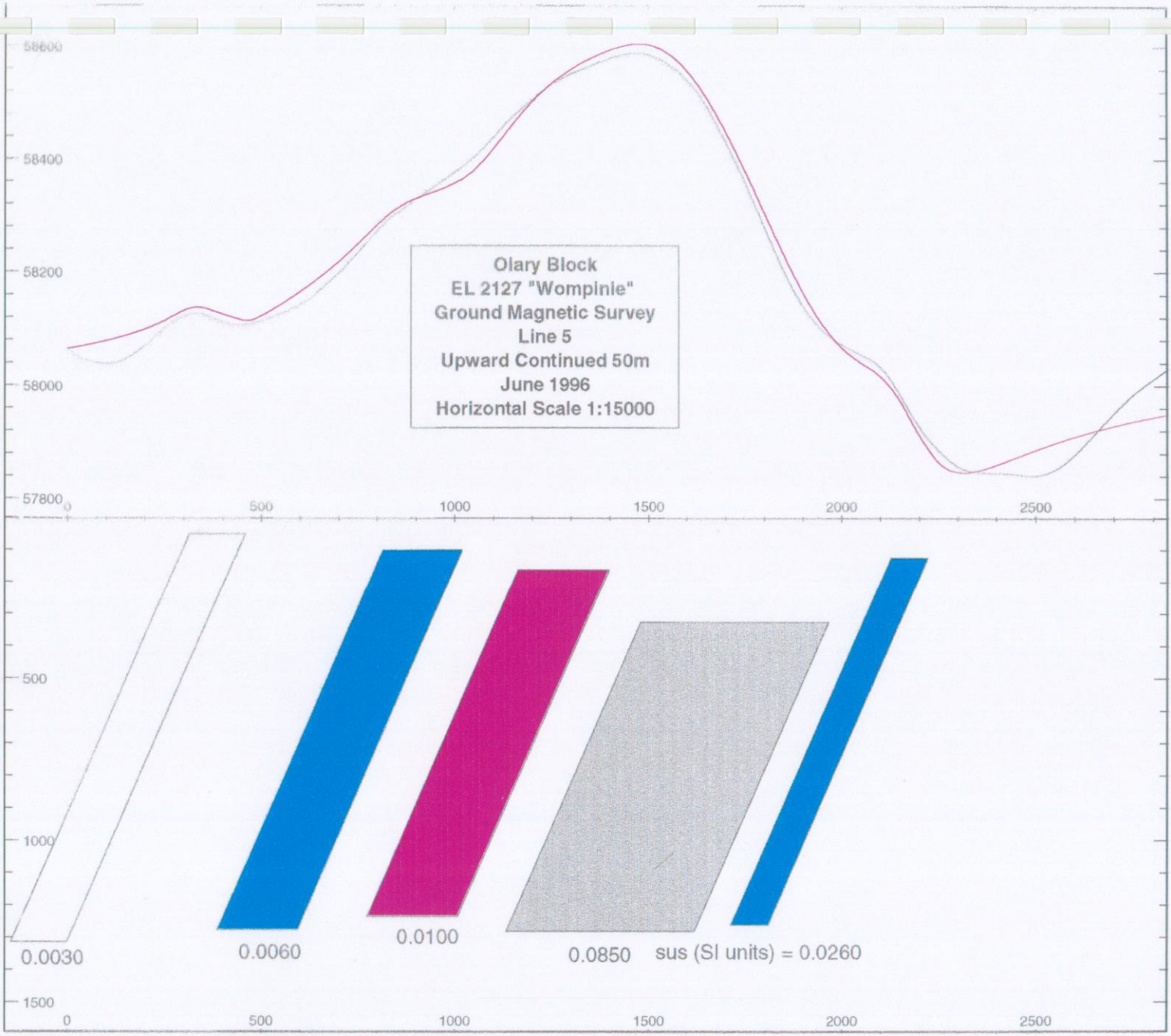
Conclusions and Recommendations

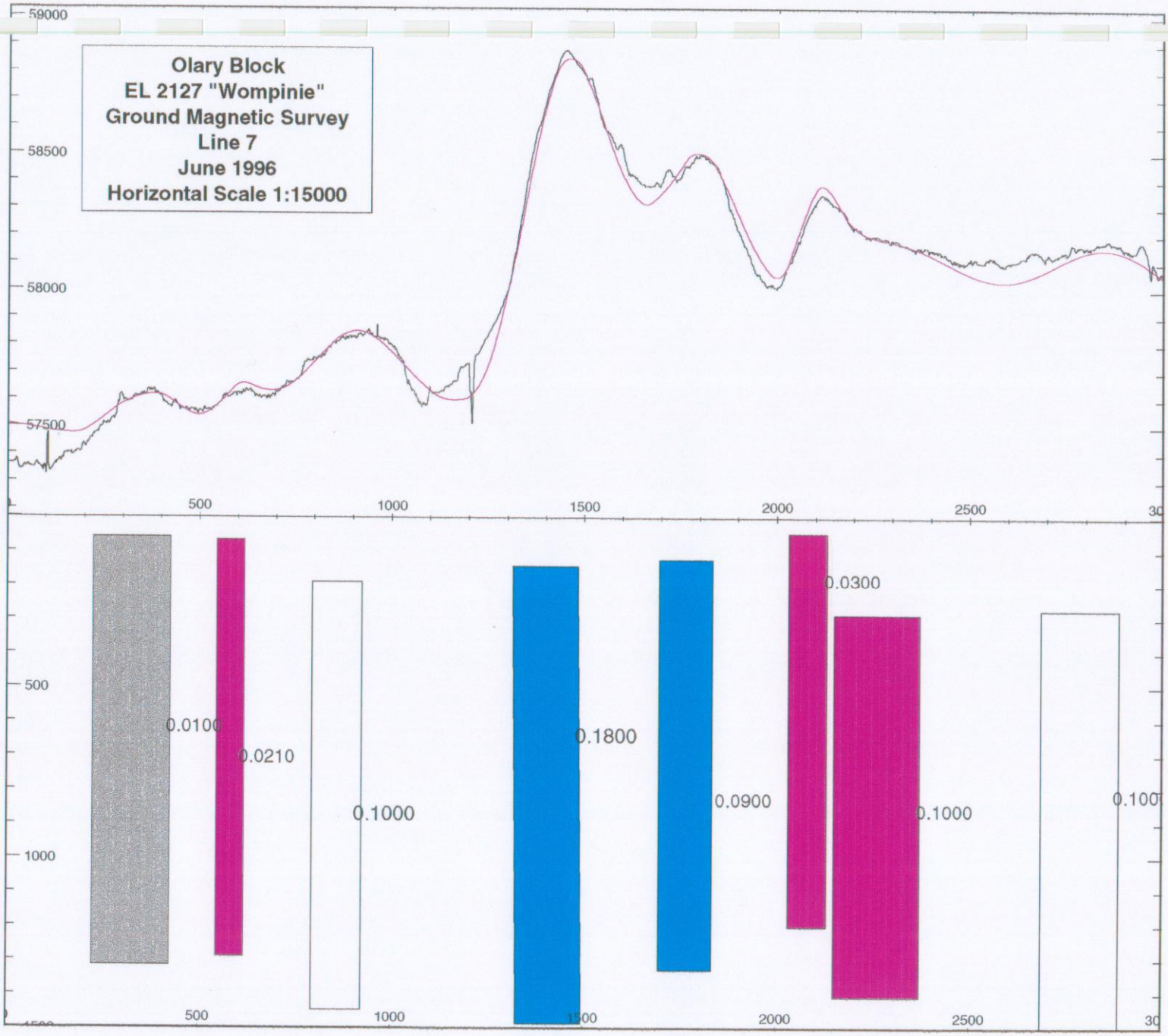
The IP anomalies on line 10,11 and 12 are all recommended for drill testing - the following holes are proposed. An uncertainty about the dip of the main central anomaly on lines 11-13 has prompted me to recommend a possible additional drill hole (hole 3) if no source is encountered in hole 2.

HOLE 1 - Line 10 anomaly	collar coordinate	2100E (local coordinate)
	azimuth	west along line
	dip	60 degrees
	depth	150-200m

HOLE 2 - Line 11 anomaly	collar coordinate	2650N (local Aberfoyle coordinate)
	azimuth	south along line
	dip	60 degrees
	depth	200m
HOLE 3 - Line 11 anomaly (if south dipping body)	collar coordinate	2480N (local Aberfoyle grid)
	azimuth	north along line
	dip	60 degrees
	depth	200m
HOLE 4 - Line 12 anomaly (centre)	collar coordinate	20180N
	azimuth	north along line
	dip	60 degrees
	depth	150m
HOLE 5 - Line 12 anomaly (south)	collar coordinate	1900N
	azimuth	north along line
	dip	60 degrees
	depth	100m

Stephen Busuttil
Geophysicist - South Australia


Olary Block
EL 2127 "Wompinie"
Ground Magnetic Survey
Line 5
Upward Continued 50m
June 1996
Horizontal Scale 1:15000
58600
58400
58200
58000
57800
0
500
1000
1500
2000
2500
0.0030
0.0060
0.0100
0.0850
sus (SI units) = 0.0260


Olary Block
EL 2127 "Wompinie"
Ground Magnetic Survey
Line 7
June 1996
Horizontal Scale 1:15000
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58500
58000
57500
500
1000
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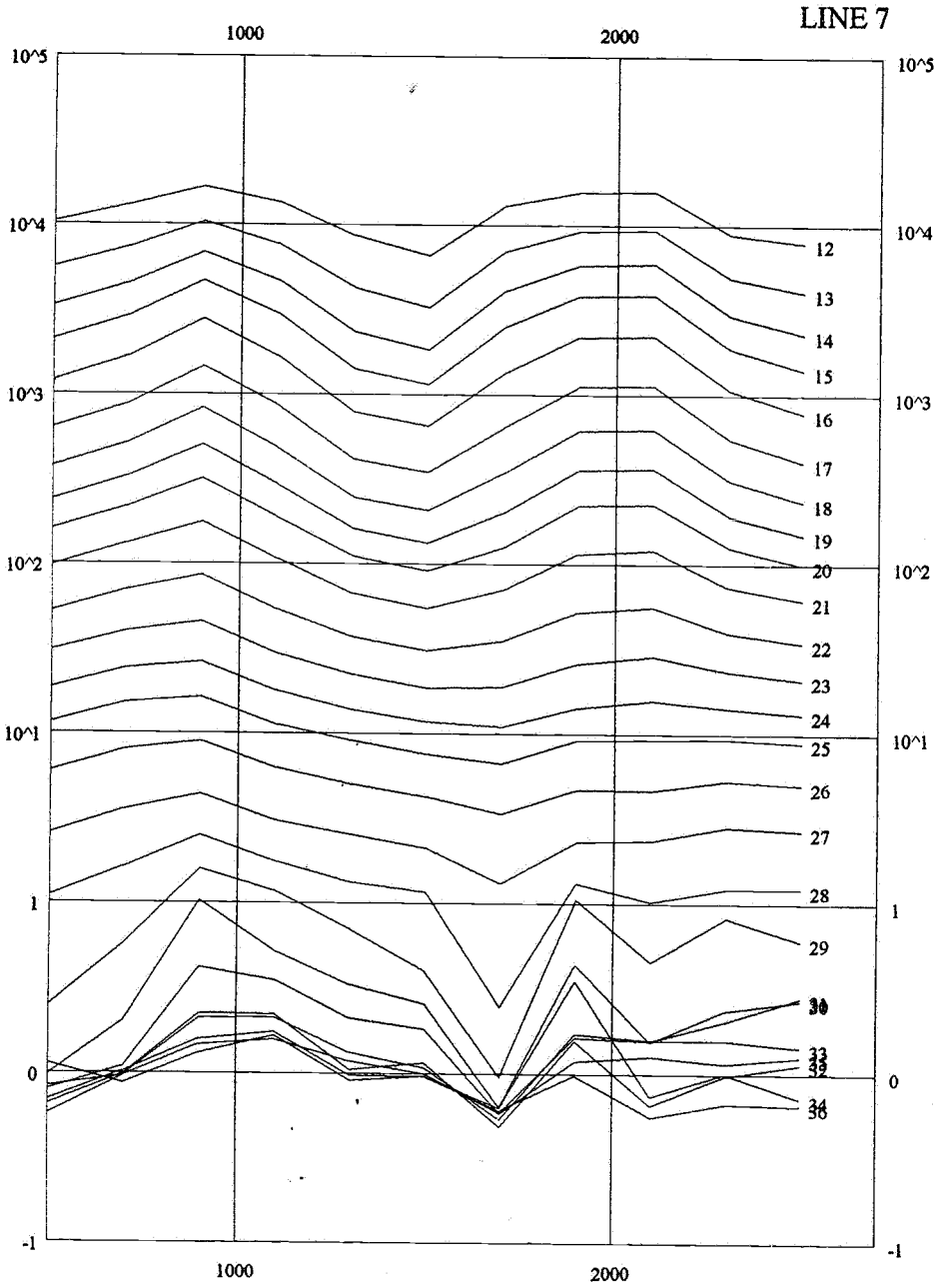
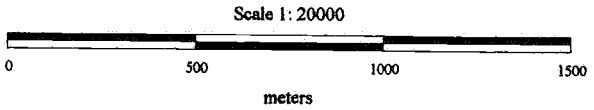




MIM EXPLORATION PTY LTD

E.L. 2127 OLARY

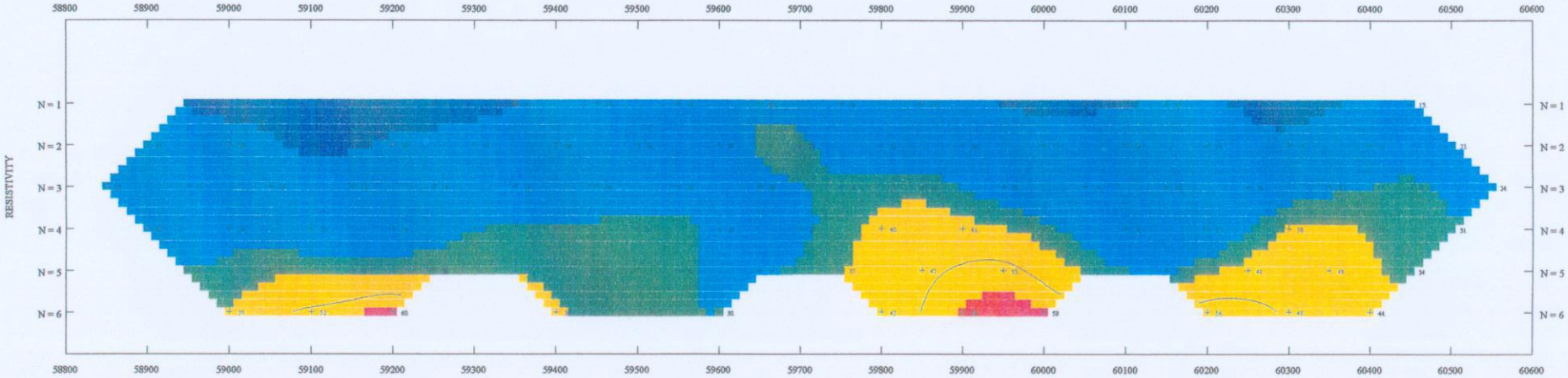
WOMPINIE

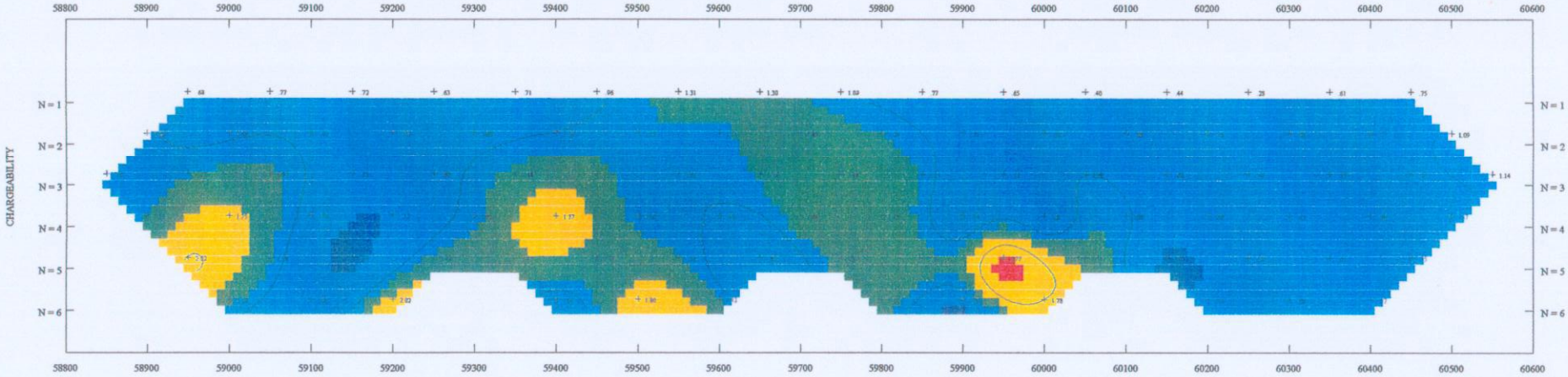
SIROTEM SURVEY
200M Moving loop with SATX
200M Stations
Z - Conponent
25th JUNE 1996

LINE 7
1500E = 482220E 6459720N

Ref : Surveyed by SEARCH EXPLORATION SERVICES	
Scale 1: 20000	
	Report :
Date : 10/7/96	Plan :

LINE





Scale 1: 5000

0 100 200 300 400

metres

MIM EXPLORATION

EL 2127 "WOMPINE"

100M DIPOLE - DIPOLE

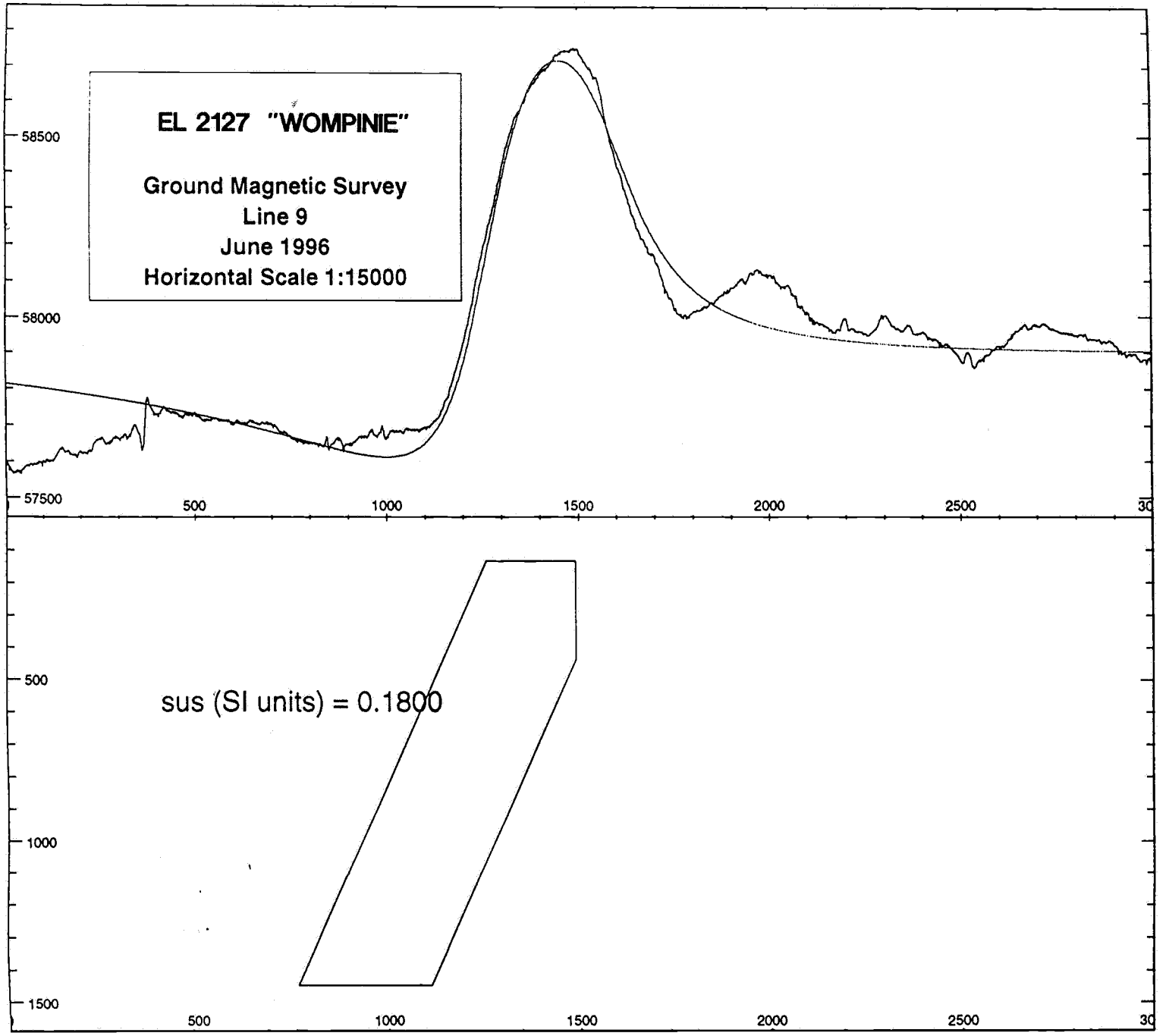
ZONGE GGT-10 Tx
SCINTREX IPR-12 Rx

DATE SEPT 1996

Ref : SEARCH EXPLORATION SERVICES

Scale 1: 5000

Report :


EL 2127 "WOMPINIE"
Ground Magnetic Survey
Line 9
June 1996
Horizontal Scale 1:15000
58500
58000
57500
500
1000
1500
2000
2500
sus (SI units) = 0.1800
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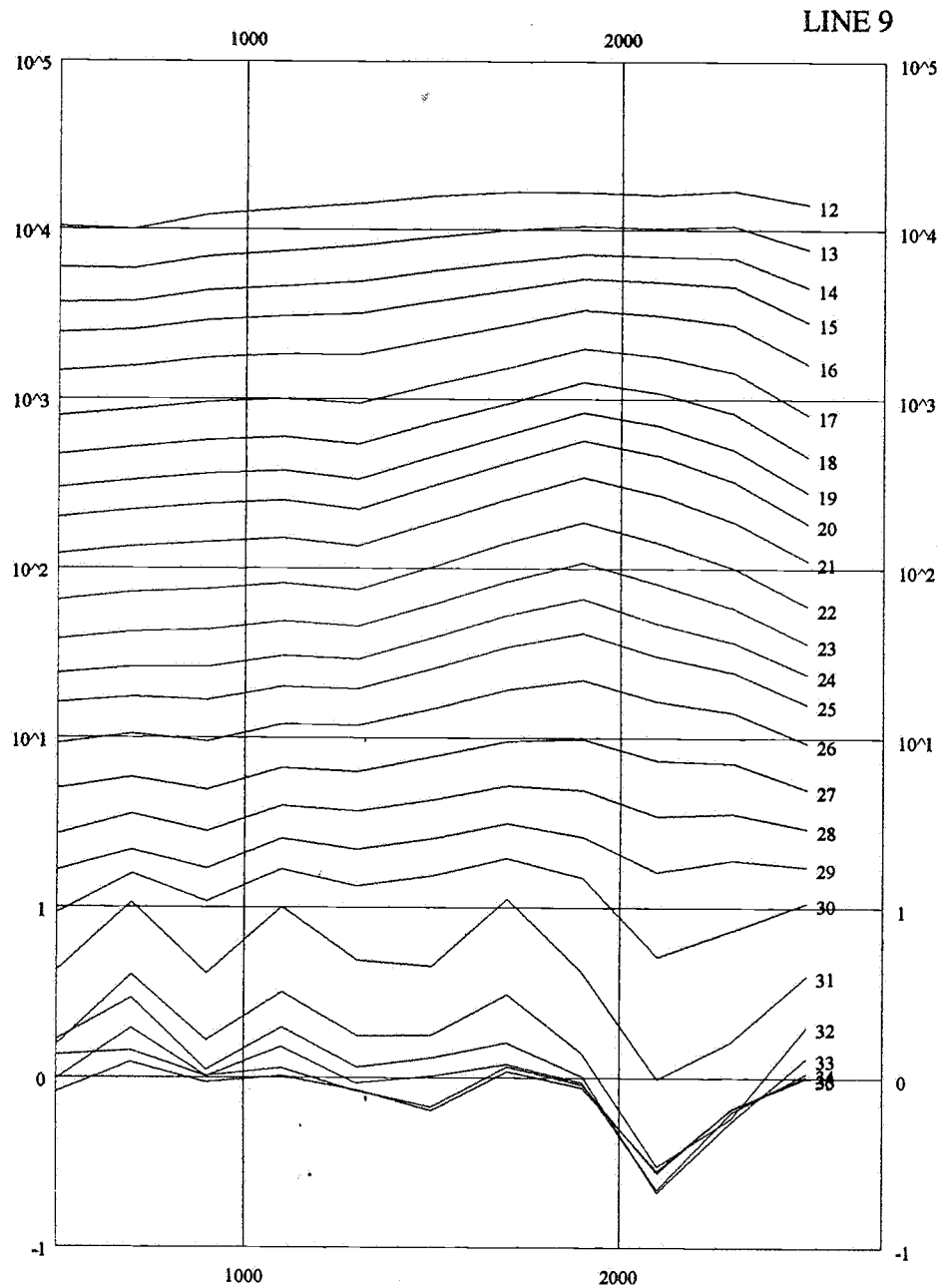
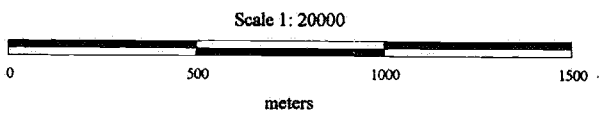
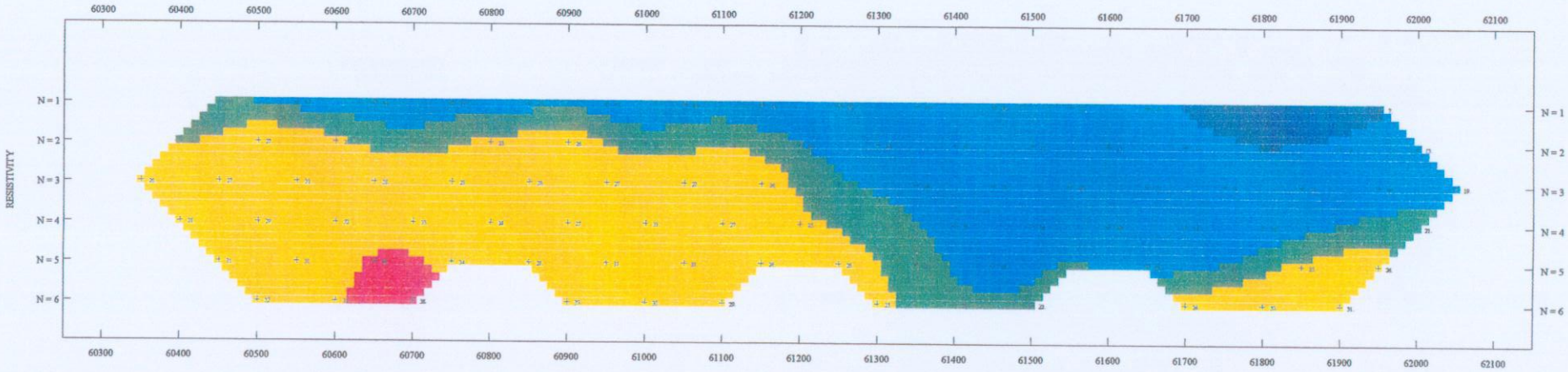
1000
1500
2000
2500

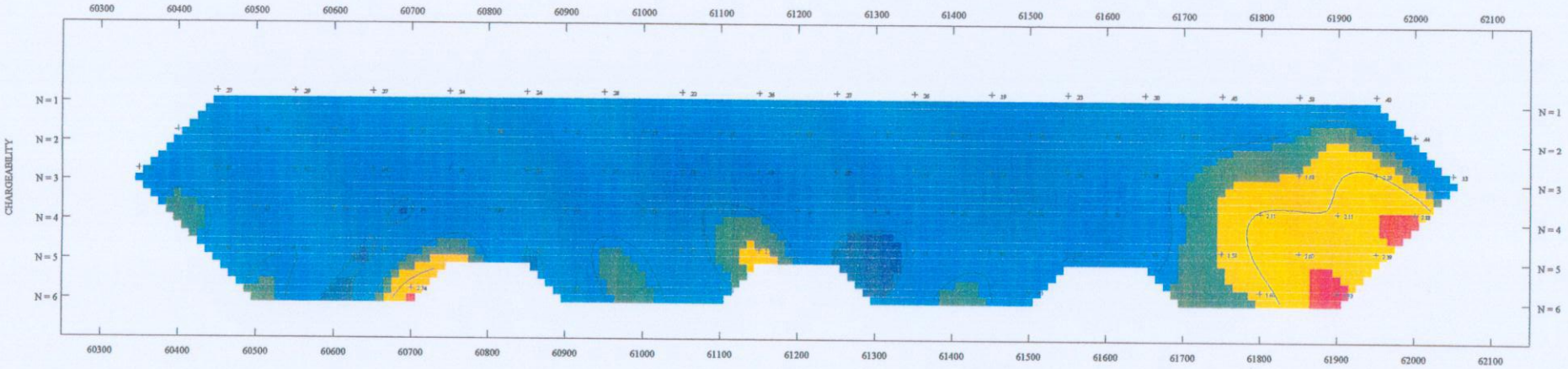




MIM EXPLORATION PTY LTD	
E.L. 2127 OLARY WOMPINIE	
SIROTEM SURVEY 200M Moving loop with SATX 200M Stations Z - Conponent 24th JUNE 1996 LINE 9 1500E = 480330e 6461180n	
Ref : Surveyed by SEARCH EXPLORATION SERVICES	
Scale 1: 20000	
	Report :
Date : 10/7/96	Plan :

LINE 9





Scale 1: 5000

0 100 200 300 400

meters

MIM EXPLORATION

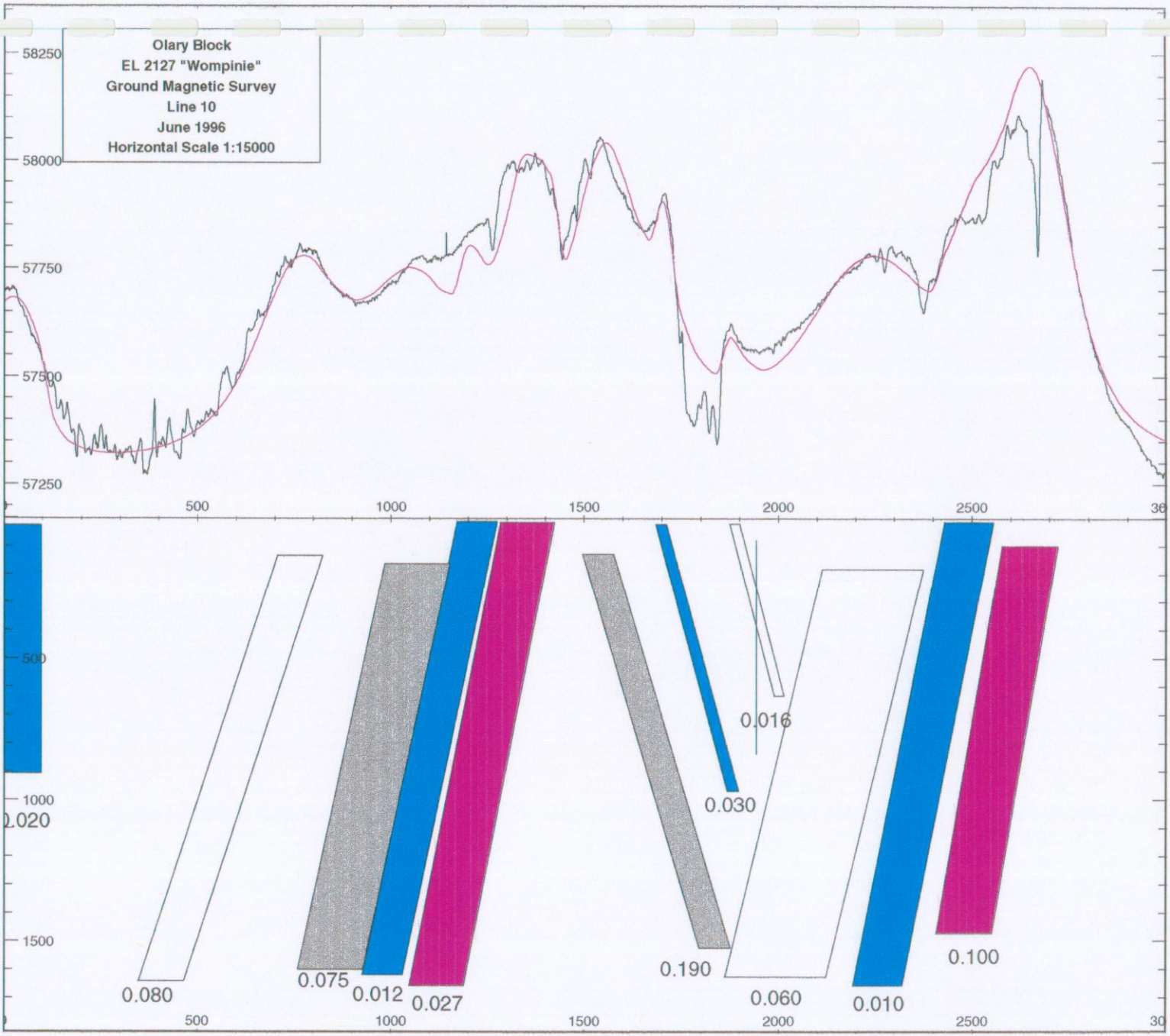
EL 2127 "WOMPINIE"

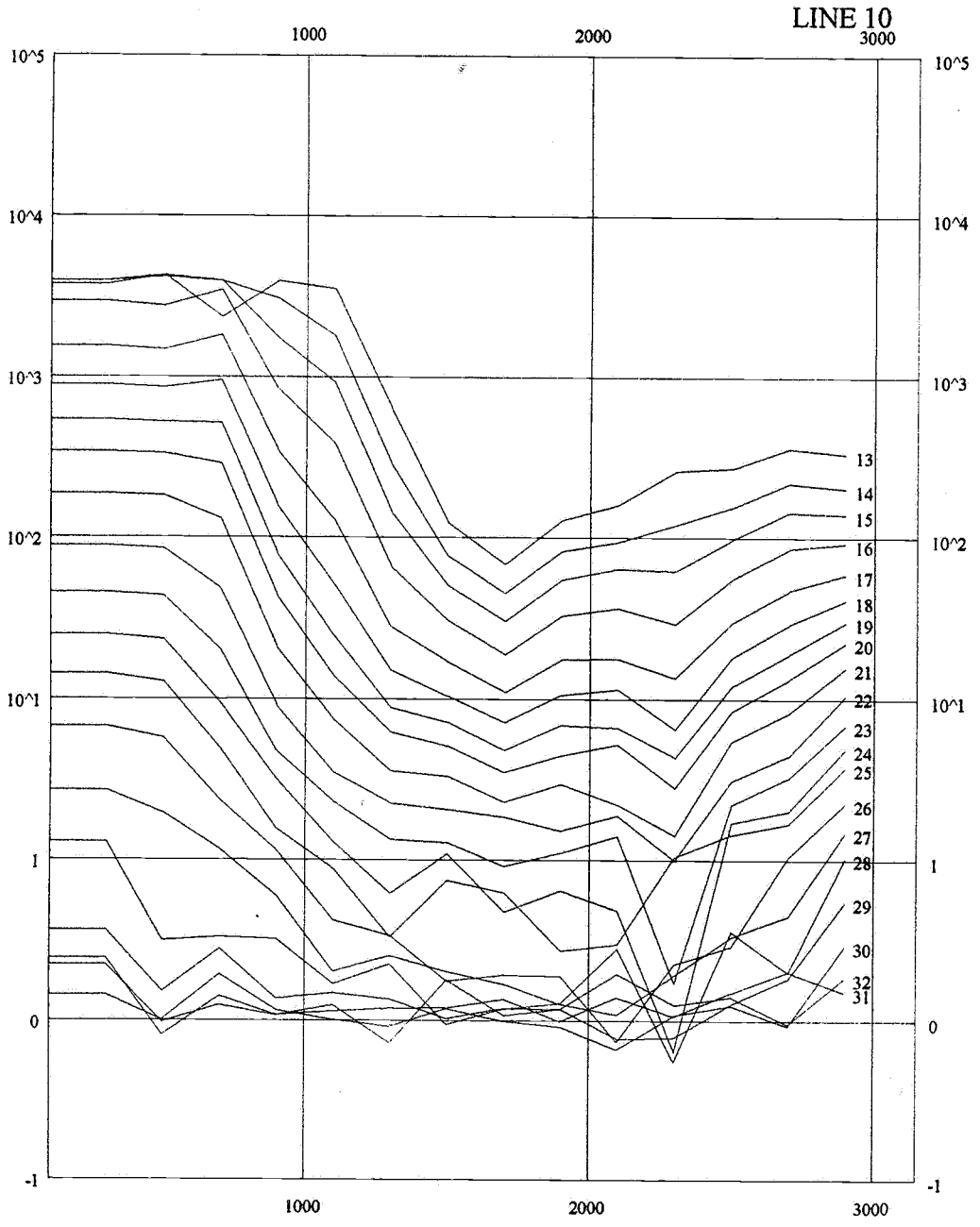
100M DIPOLE - DIPOLE

ZONGE GGT-10 Tx
SCINTREX IPR-12 Rx

DATE SEPT 1996

Ref : SEARCH EXPLORATION SERVICES	
Scale 1: 5000	
	Report :
Date : 10/9/96	Plan :


Olary Block
EL 2127 "Wompinie"
Ground Magnetic Survey
Line 10
June 1996
Horizontal Scale 1:15000
58250
58000
57750
57500
57250
500
1000
1500
2000
2500
0.080
0.075
0.012
0.027
0.190
0.030
0.016
0.060
0.010
0.100



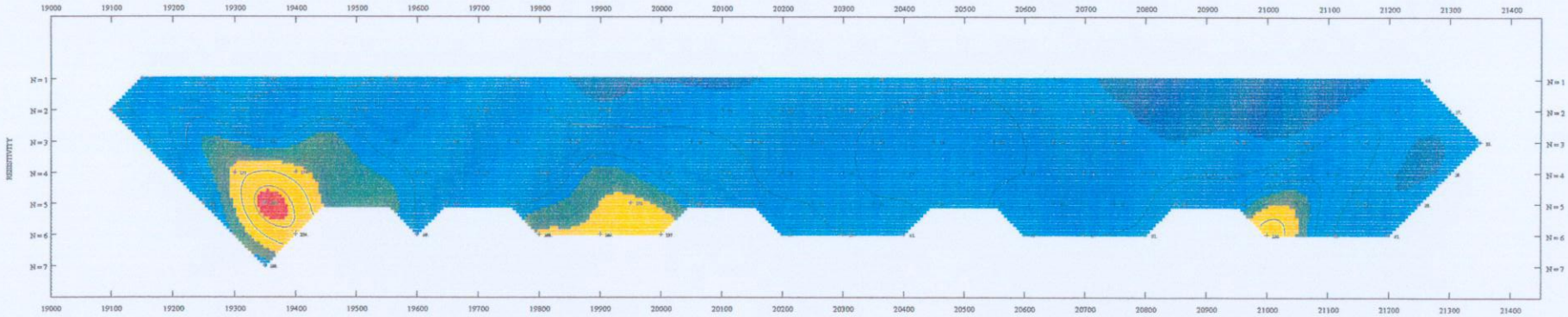
Scale 1: 25000

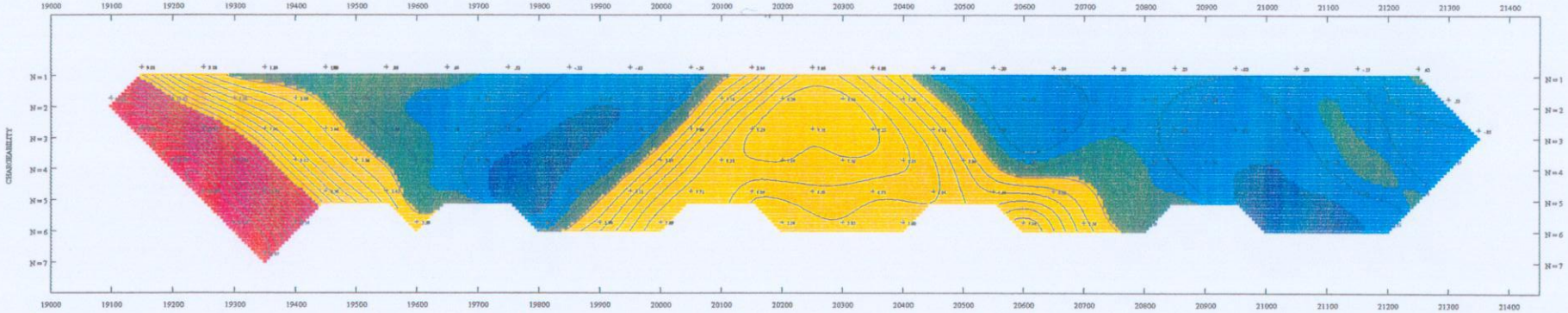
0 500 1000 1500 2000

meters

MIM EXPLORATION PTY LTD	
E.L. 2127 OLARY WOMPINIE	
SIROTEM SURVEY 200M Moving loop with SATX 200M Stations Z - Conponent 28th JUNE 1996 LINE 10 1500E = 472725E 6459241N	
Ref : Surveyed by SEARCH EXPLORATION SERVICES	
Scale 1: 25000	
	Report :
Date : 10/7/96	Plan :

LINE 12





Scale 1 : 5000

0 100 200 300 400

meters

MIM EXPLORATION

EL 2127 "WOMPINE"

100M DIPOLE - DIPOLE

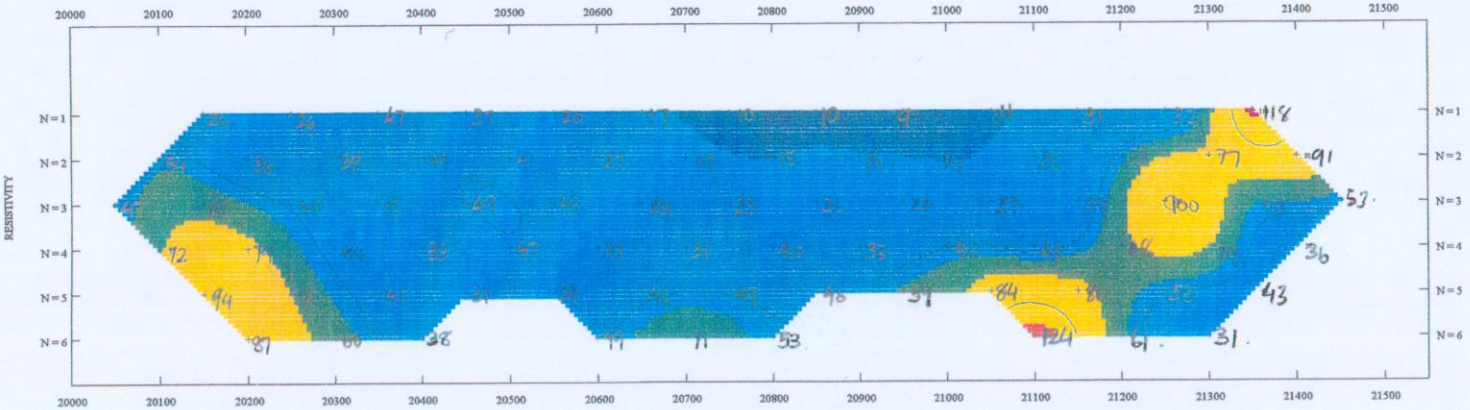
ZONGE GDT-10 Tx
SCINTREX IPR-12 Rx

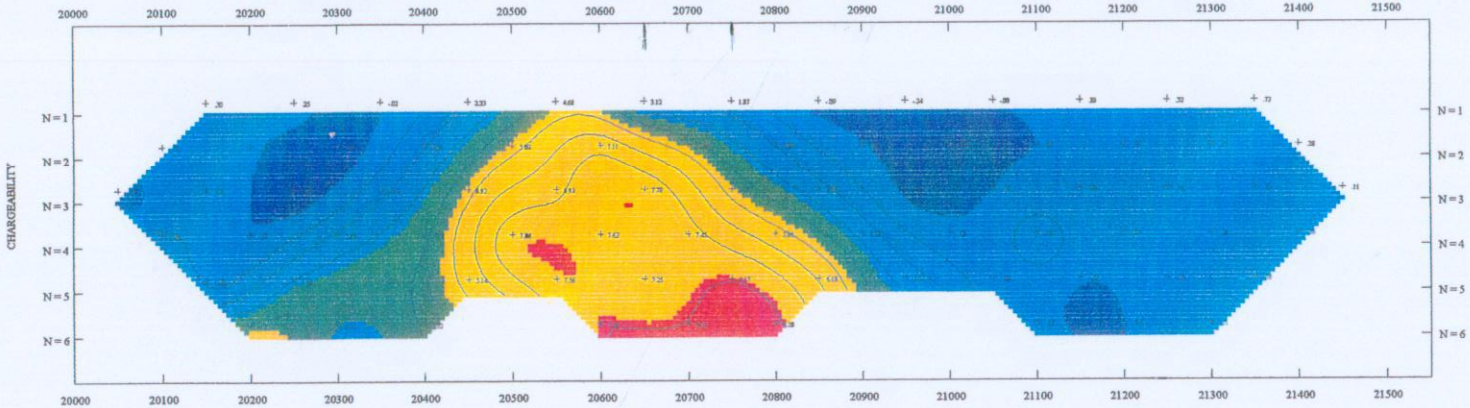
DATE SEPT 1996

Ref: SEARCH EXPLORATION SERVICES

Scale 1 : 5000	
	Report
Date : 9/6/96	File :

LINE 11





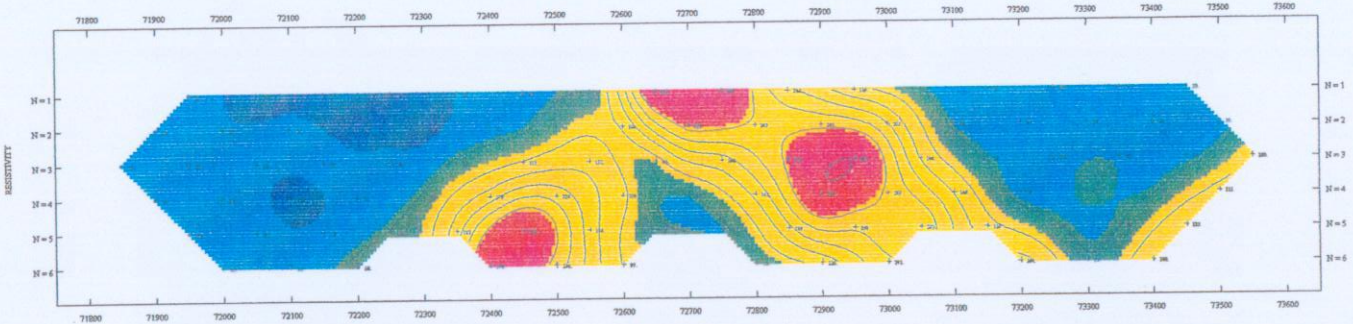
Scale 1: 5000

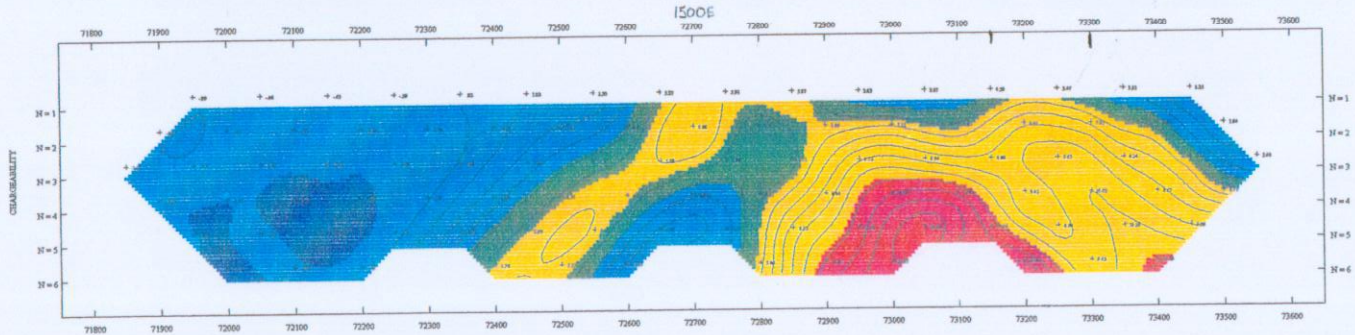
0 100 200 300 400

meters

MIM EXPLORATION	
EL 2127 "WOMPINE"	
100M DIPOLE - DIPOLE	
ZONGE GGT-10 Tx SCINTREX IPR-12 Rx DATE SEPT 1996	
Ref: SEARCH EXPLORATION SERVICES	
Scale 1: 5000	
	Report:
Date: 9/9/96	Plan:

LINE 10





Scale 1: 5000

0 100 200 300 400

meters

MIM EXPLORATION

EL 2127 "WOMPINE"

100M DIPOLE - DIPOLE

ZONE OOT-10 Tx
SCINTREX IPR-12 Rx

DATE SEPT 1996

Ref: SEARCH EXPLORATION SERVICES

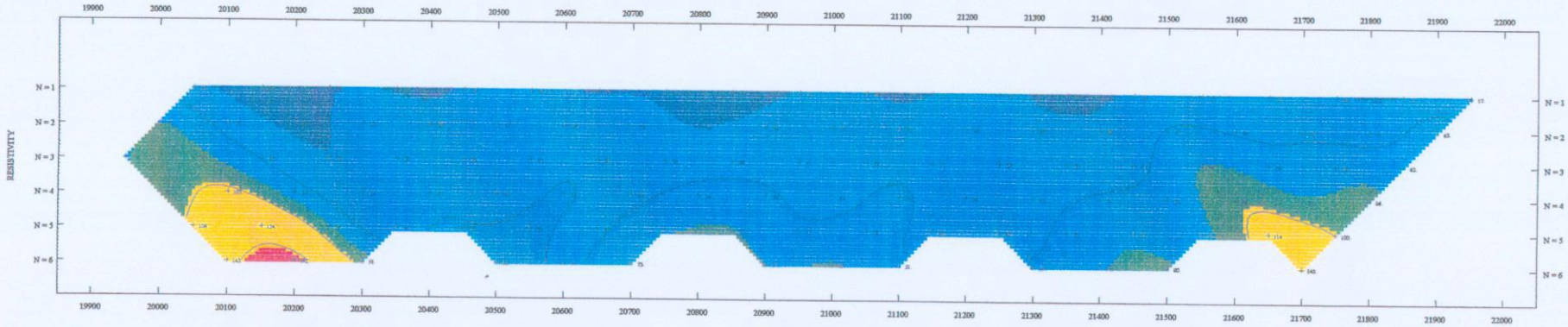
Scale 1: 5000

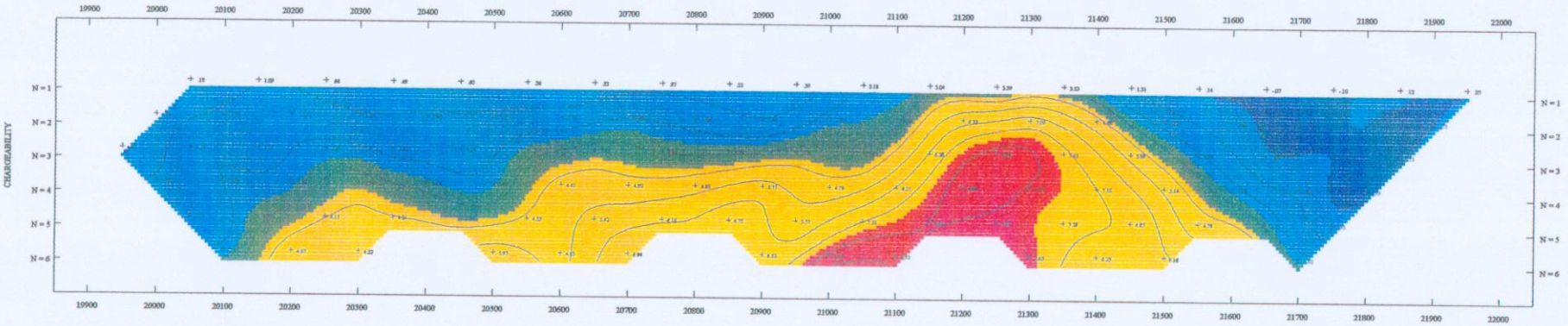
Date : 06/96

Report :

Plan :

LINE 13





Scale 1: 5000

0 100 200 300 400

meters

MIM EXPLORATION

EL 2127 "WOMPINE"

100M DIPOLE - DIPOLE

ZONGE GGT-10 Tx
SCINTREX IPR-12 Rx

DATE SEPT 1996

Ref: SEARCH EXPLORATION SERVICES

Scale 1: 5000	
	Repeat:
Date: 9/9/96	Plan:

M.I.M. EXPLORATION PTY LTD

(ACN 009 681 118)

TECHNICAL REPORT

No. 2742

TITLE:	**EL 2127 "WOMPINIE"** **ANNUAL REPORT FOR THE PERIOD ENDING 23rd NOVEMBER 1997**
ISSUING DEPARTMENT:	**EXPLORATION**
AUTHOR:	**S. BUSUTTIL**
INVESTIGATIONS CONDUCTED BY:	**M. McGEOUGH, S. BUSUTTIL**
SUBMITTED BY:	**M. McGEOUGH**
DATE:	**JANUARY 1998**

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Approved for Distribution

M. McGeough

District Geologist - South Australia

KEY WORDS

WILLYAMA SUPER GROUP

RC DRILLING

IP ANOMALY

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M.I.M. EXPLORATION PTY LTD

EL 2127 "Wompinie"

Annual Report
for the period ending

23rd November 1997

1. INTRODUCTORY SUMMARY

Exploration Licence 2127 "Wompinie" is located 20 km north-east of the Olary Township (Figure 1). The licence was granted for one year on the 24th November 1995 and has since been renewed on two occasions - it is now due to expire on the 24th November 1999. EL 2127 covers an area of approximately 230 km^2.

MIM Exploration Pty Ltd are operators in a joint venture agreement with Aberfoyle Resources Ltd and Normandy Minerals Ltd to explore this licence.

Exploration carried out during the reporting period consisted of four RC drill holes, drilled to test anomalous results obtained from IP surveys conducted in the previous reporting period.

2. LOCATION and ACCESS

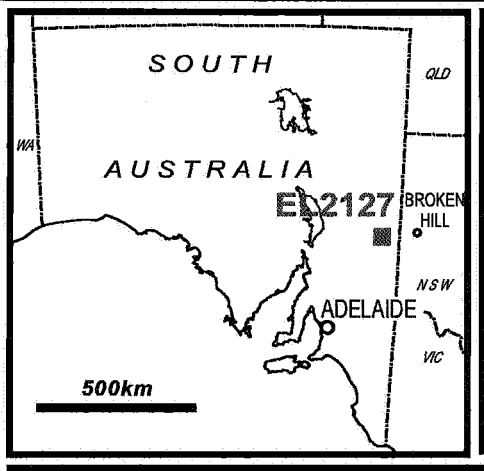
Most of the Licence area lies on the Olary (SI54-2) 1:250 000 scale sheet with a small part on Curnamona (S54-14).

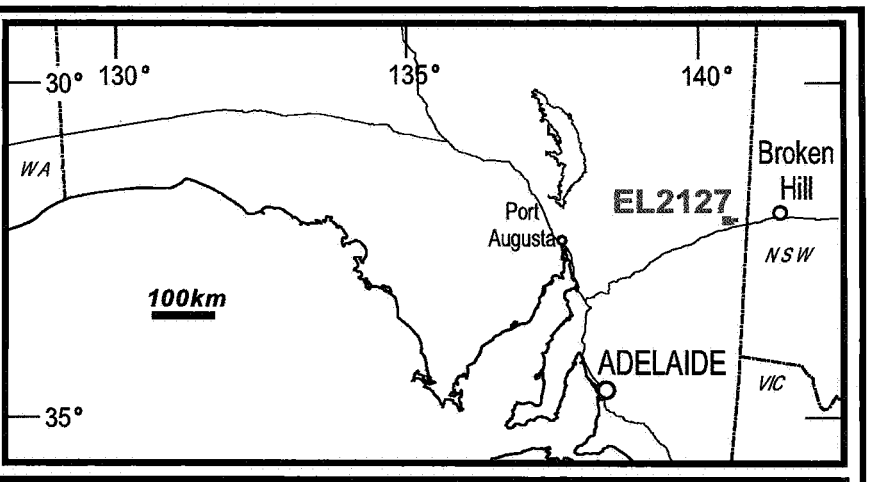
It is accessed via station tracks leading from the Barrier Highway.

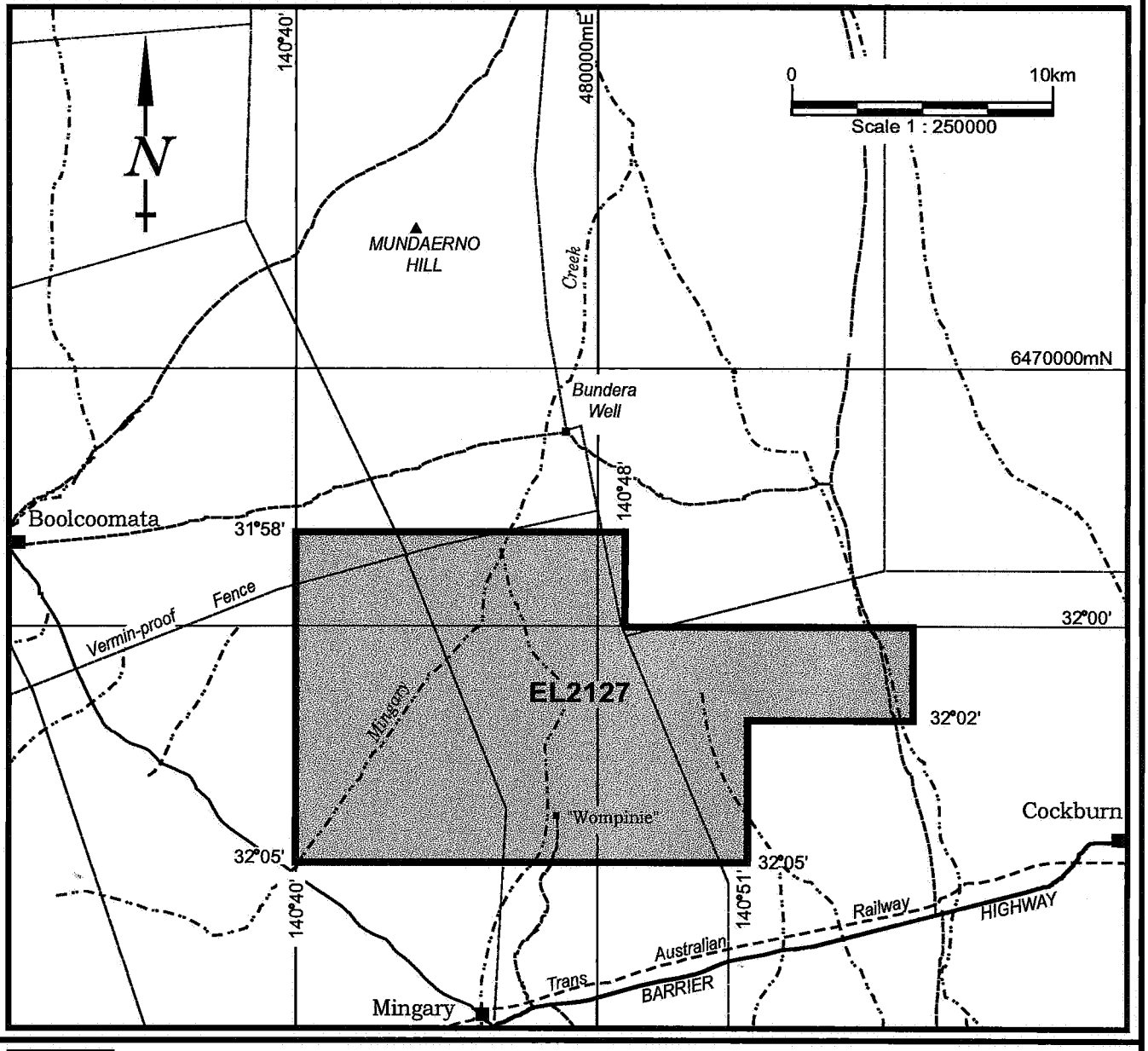
3. TENURE

Exploration Licence 2127 was granted to Aberfoyle Resources Ltd on 24th November 1995. The licence has since been renewed on two occasions, for one and two years respectively. The current expenditure commitment is $110,000.

MIM Exploration Pty Ltd, is spending $200,000 on the project during the initial earn in period with an option to expend a further $550,000 to earn 60%.







MIM EXPLORATION

M.I.M. EXPLORATION PTY LTD

A.C.N. 009 681 118

PROJECT / TITLE :

EL2127 WOMPINIE LOCATION PLAN

Mining District or Region: OLARY			Compiled by : RE	Scale : 1:250000
Revised by :	Date :	1 : 250 000 Ref : SI54-2	Drawn by : REMc	Date : 27/1/98
		1 : 100 000 Ref : 7033	Drwg No : 51103	Fig. No. 1

4. REGIONAL GEOLOGY

The licence is underlain by metasediments of the Willyama Super Group. Outcrop is very limited with most of the licence covered by around 5m to 12m of tertiary sediments. Airborne magnetic data (consisting of MESA and open file datasets) clearly maps several structures within the tenement area. Detailed geology is given in the Olary and Curnamona 1:250 000 geological notes.

5. PREVIOUS EXPLORATION

This licence was part of the Aberfoyle magnetic survey flown in 1990. Ground reconnaissance rock chip sampling in the Catch Dam area reported anomalous mercury and weak copper anomalies from ferruginous outcrops. Three traverses of widely spaced RAB holes in April 1993 provided a broad geochemical and lithological coverage. Two holes W56 and W57 reported anomalous Pb, Zn and Au about 2 km north of Catch Dam.

6. PREVIOUS EXPLORATION conducted by MIMEX

Four traverses of coincident ground magnetics, 100m dipole-dipole IP and 200m moving loop EM were completed over airborne magnetic anomalies were carried out (note: three of the four traverses transgress the tenement boundary). An additional three lines of 100m dipole-dipole IP (Lines 11 to 13) were also completed over holes W56 and W57 (old Aberfoyle drill holes). Refer to previous annual report for survey details and line locations.

The IP data delineated chargeability anomalies at the eastern end of Line 10 and on Lines 11 through to 12.

No significant EM responses were recorded.

Line 10 was soil sampled at 100m intervals due to the thin soil cover. The results for copper and gold were not considered significant.

7. EXPLORATION conducted by MIMEX in CURRENT YEAR

Four RC holes, designed to test the IP anomalies delineated in the previous reporting period, were carried out. Drawing Number 51428 presents a plan of the holes and Drawing Number 51427 presents sections of the holes showing both Zinc and Lead assays in ppm. Appendix 1 and 2 present geological logs and assay results respectively.

Geology

The major lithologies intersected in all holes were a schist/gneiss sequence and pegmatite. The mineralogy of the schist was mainly biotite, quartz, sericite, amphibole with some garnet, pyrite and graphite. Based on this mineralogy and aeromagnetic interpretation, it was interpreted that the sequence intersected is part of the Pelite Suite.

Mineralisation
Significant but low grade Pb/Zn mineralisation was intersected in hole WM4. The best intervals are listed below:

86m-102m	16m @ 0.4% Zn and 0.08% Pb
131m-140m	9m @ 0.65% Zn and 0.11% Pb
141m-150m	9m @ 0.53% Zn and 0.13% Pb
163m-166m	3m @ 0.78% Zn and 0.15% Pb
182m-187m	5m @ 0.66% Zn and 0.09% Pb

WM3 also intersected additional low grade Pb/Zn mineralisation at the base of the hole. The strike of the mineralisation as defined by the anomalous IP response (on three lines - refer to previous annual report) and the intersections in both WM3 and WM4 is approximately 300/120 degrees true. Sulphides consisting of mainly pyrite, pyrrhotite with sphalerite are both vein hosted and disseminated, with same layer parallel sulphides. Galena is predominantly hosted within fractures.

Anomalous copper assays are noted in hole WM1, the best interval being 4m @ 751ppm from 68m

8. CONCLUSIONS

The drilling designed to test anomalous IP responses, succeeded in intersecting the source of these anomalies - the source being pyrite and graphite with some contribution from galena.

At this stage Pb/Zn is not MIM's target commodity and therefore the prospect has been downgraded.

9. FUTURE WORK

In the 1998 calendar year, a program of soil sampling and Auger drilling is planned for EL 2127. Follow up drilling will be carried out if positive results ensue.

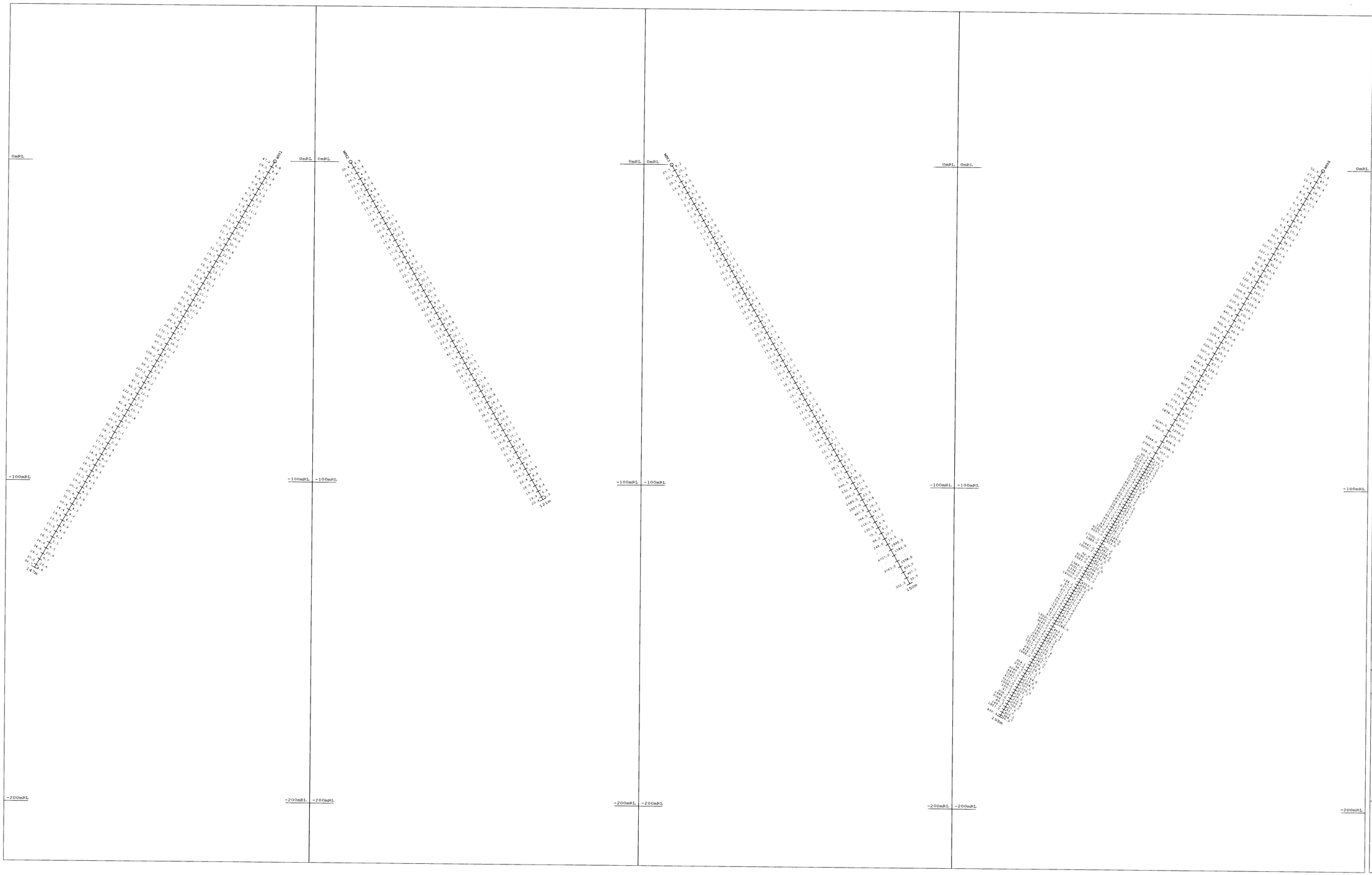
Stephen Busuttil
Senior Geophysicist - South Australia

MOUNT ISA MINES LIMITED

EL 2127 "WOMPINIE"

STATEMENT OF EXPENDITURE FOR YEAR ENDED 23rd NOVEMBER 1997

LABOUR MEX	12,543	
SUPPLIES & SUPPLIES - OFFICE FIXED	7,800	
INFRASTRUCTURE	3,153	
PERSONNEL COSTS - FIXED	0	
PERSONNEL COSTS - VARIABLE	0	
MISC. GOVERNMENT CHARGES	0	
SUPPLIES & SERVICE - OFFICE VARIABLE	1,097	
SUPPLIES & SERVICE - FIELD	2,345	
TRAVEL & ACCOMODATION	384	
DRILLING	30,913	
ASSAYS	4,952	
CONTRACT & CONSULTANT SERVICE	0	
GEOPHYSICS	0	
GEOCHEMICAL	0	
RESEARCH	100	
LABOUR - EXTERNAL	0	
JOINT VENTURE CONTRIBUTIONS	0	
LAND TENURE & ENVIRONMENT	92	
TOTAL DIRECT COST		63,379
ADD: TECHNICAL SUPPORT & ADMIN.		1,030
ADD: PREVIOUSLY REPORTED AMOUNT		39,598
TOTAL PROJECT EXPENDITURE TO DATE		**$ 104,007**



Zinc (ppm)

(left side of drill trace)

- < 1000
- 1000 to 2000
- 2000 to 3000
- 3000 to 5000
- >= 5000

Lead (ppm)

(right side of drill trace)

- < 1000
- 1000 to 2000
- 2000 to 3000
- 3000 to 5000
- >= 5000

Region: OLARY

1:250000 Ref: SI52-4

1:100000 Ref: 7033

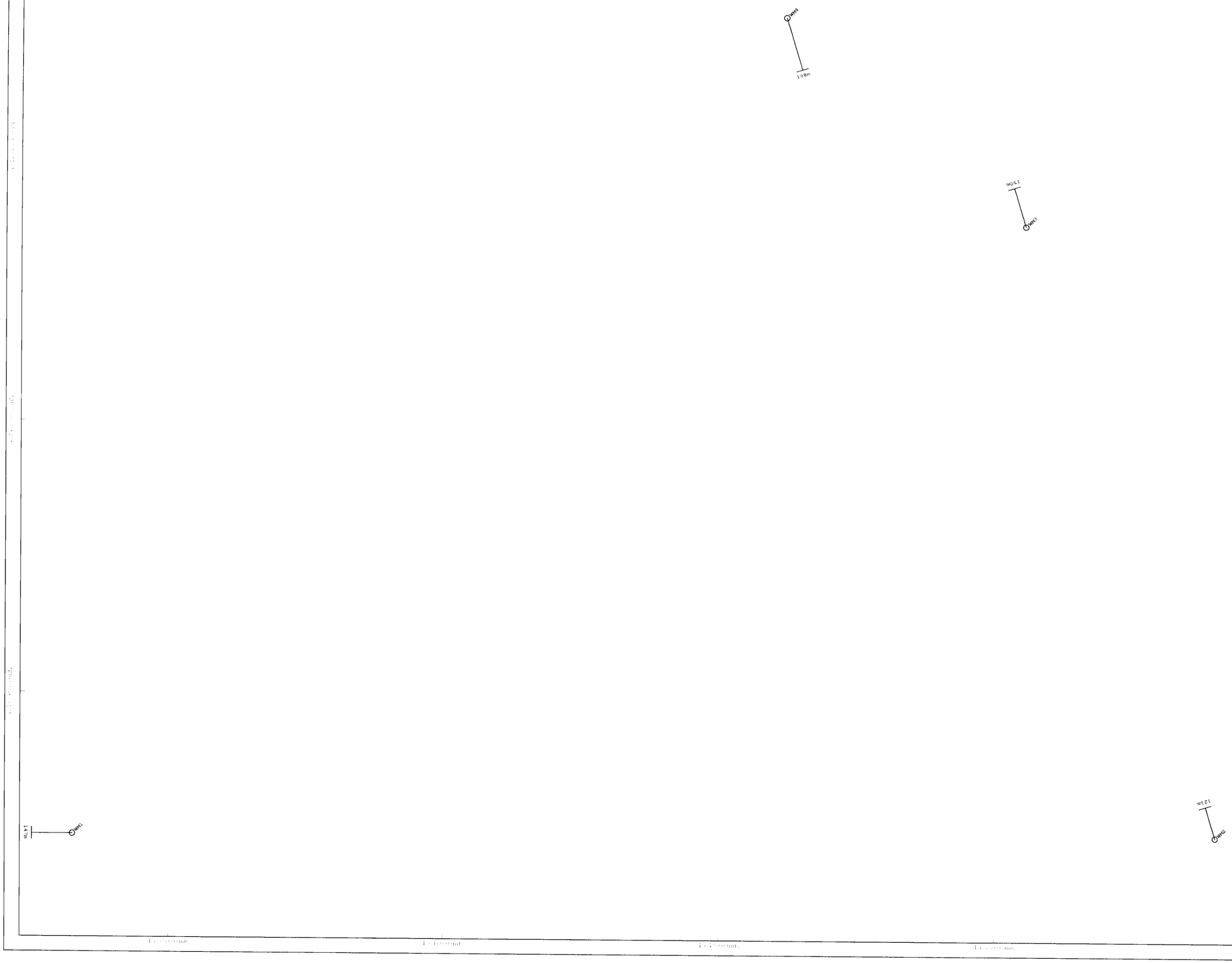
Projection: AMG Zone 54 (AGD84)

Scale:	DATE:	PLAN NO:
1:500	27/1/98	51427
	DRAWN:	PLOT FILE:
	remc	WM4

0 20 40m

EL2127 WOMPINIE Drillhole Locations WM1 to WM4 Showing Zinc (ppm) and Lead (ppm)

MIM Exploration Pty.Ltd.
13 Maple Avenue
Forestville SA 5013
ph 08-8371-4533
fax 08-8371-4322



Region: OLARY

1:250000 Ref: SI52-4

1:100000 Ref: 7033

Projection: AMG Zone 54 (AGD84)

Scale:	DATE: 27/1/98	PLAN NO: 51428
1:5000	DRAWN: remc	PLOT FILE: WMHOLES

0 250m

EL2127 Wompinie

Drillhole Location Plan

WM1 to WM4

MIM Exploration Pty.Ltd.
13 Maple Avenue
Forestville SA 5013
ph 08-8371-4533
fax 08-8371-4322

Appendix 1

Drill Logs

MIM EXPLORATION

Drilling Statistics

Hole	Prospect	E.L.	East AMG	North AMG	OHP	RC	Aircore	NQ	Incl.	AMG Azim.	Total Depth	Lithology	Results	Sample Ledger	Samples
WMP1	Wompinnie	2127	473325	6459241		147			60	270	147	Biotite-pyrite-quartz vein		SA96SB01	SA41901-41974
WMP2	Wompinnie	2127	475400	6459245		121			60	343	121	Biotite-pyrite-sericite-lim-qtz schist		SA96SB01	SA41975-42035
WMP3	Wompinnie	2127	475050	6460365		150			60	343	150	Mica-pyrite-sericite schist		SA96SB01	SA42036-42110
WMD4	Wompinnie	2127	474614	6460745		105.2		92	60	163	197.57	Biotite schist		SA96SB02	SA42111-42162
														SA97MM02	SA42601-42694

MIM Exploration Downhole Log Sheet

Geo:SB | AMG AZ: 343 | INCL: 60 | Date: 30.11.96 | **Hole:WMP2**

AMGE: 475400	AMGN: 6459245	First From: 0														
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA41975	1														Tray 9
SA41975	2	1.29	DK	W	BR	BR	COVERSEQ	ARENITE QTZVEIN						Qtz fe oxide	
SA41976	3	0.73	DK	W	BR	BR	COVERSEQ	ARENITE QTZVEIN						Qtz fe oxide limonite	
SA41976	4	0.36	DK	W	BR	Y	OXIDISED	ARENQVPEGMTITE						Qtz fe oxide muscovite	
SA41977	5	1.45	PAT	W	BK	LBR	OXIDISED	SCHISTGNEISAREN						Biotite qtz limonite sericite muscovite	
SA41977	6	0.37	PAT	W	BR	LBR	OXIDISED	SCHISTGNEISAREN						Biotite qtz limonite sericite muscovite	
SA41978	7	0.17	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41978	8	0.26	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41979	9	0.12	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41979	10	0.25	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41980	11	0.13	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41980	12	0.12	PAT	W	BR	LBR	OXIDISED	SCHIST SILCRETE						Biotite qtz limonite sericite muscovite	
SA41981	13	0.13	PAT	W	BR	LBR	OXIDISED	SCHIST						Biotite qtz limonite sericite muscovite	
SA41981	14	0.11	MED	BK	W	W/Y	OXIDISED	SCHIST						Sericite biotite lim qtz	
SA41982	15	0.06	MED	BK	W	W/Y	OXIDISED	SCHIST						Sericite biotite lim qtz	
SA41982	16	0.05	MED	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41983	17	0.12	MED	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41983	18	0.07	MED	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41984	19	0.03	MED	W	BR	Y	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41984	20	0.01	MED	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41985	21	0.01	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	Tray 10
SA41985	22	0.02	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41986	23	0.02	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41986	24	0.05	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41987	25	0.08	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	

AMGE: 475400	AMGN: 6459245	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA41987	26	0.05	DK	W	BR	BR	OXIDISED	SCHIST						Sericite bio musc lim qtz	
SA41988	27	0.04	DK	W	BK	BR	PARTWEATHD	SCHIST						Biotite sericite qtz	Graphite film on water
SA41988	28	0.08	DK	W	BR	BR	OXIDISED	SCHIST						Biotite sericite limonite	
SA41989	29	0.15	DK	W	BR	BR	OXIDISED	SCHIST						Biotite sericite limonite	
SA41989	30	0.11				BR									
SA41990	31	0.01	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41990	32	0	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41991	33	0	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41991	34	0.01	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41992	35	0.06	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41992	36	0.22	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41993	37	0	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41993	38	0	MED	W	BR	BR	OXIDISED	SCHIST						Sericite biotite limonite qtz	
SA41994	39	0	MED	W	BR	DBR	OXIDISED	SCHIST						Sericite biotite limonite qtz	Graphite in water
SA41994	40	0	MED	W	BR	GBR	OXIDISED	SCHIST						Sericite biotite limonite qtz	Graphite in water
SA41995	41	0.04	DK	BR	BGY	DGR	PARTWEATHD	SCHIST						Sericite bio lim qtz +graphite	Graphite in water Tray 11
SA41995	42	0.01	DK	BR	BGY	DGR	PARTWEATHD	SCHIST						Sericite bio lim qtz +graphite	Graphite in water
SA41996	43	0	DK	BR	BGY	DGR	PARTWEATHD	SCHIST						Sericite bio lim qtz +graphite	Graphite in water
SA41996	44	0.01	DK	W	GY	DGR	PARTWEATHD	SCHIST CYST						Clay graphite	Graphite in water
SA41997	45	0	DK	W	GY	DGR	PARTWEATHD	CYST SCHIST						Clay graphite	Graphite in water
SA41997	46	0	DK	BK	GY	DGR	PARTWEATHD	CYST SCHIST						Clay graphite	Graphite in water
SA41998	47	0	DK	W	BK	DGR	PARTWEATHD	CYST SCHIST						Clay graphite bio sericite qtz limonite	
SA41998	48	0.02	DK	W	BK	DGR	PARTWEATHD	CYST SCHIST						Qtz musc bio lim clay graphite	
SA41999	49	0.13	MED	R	W	Y	PARTWEATHD	CYST PEGMATITE						Qtz lim goethite sericite	
SA41999	50	1.22	PAT	PK	W	GY	PARTWEATHD	PEGMATITE CYST						Qtz pink qtz(garnet) kaolin limonite	
SA42000	51	0.71	PAT	W	BR	DBR	PARTWEATHD	PEGMATITE CYST						Qtz fe oxide bio sericite	
SA42000	52	0.01	PAT	W	BR	DBR	PARTWEATHD	SCHIST						Biotite sericite qtz	
SA42001	53	0.03				BR									
SA42001	54	0.08				BR									

AMGE: 475400	AMGN: 6459245	First From: 0														
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42002	55	0.13				BR		PEGMATITE							
SA42002	56	1.19				GYB									
SA42003	57	0.12				BR									
SA42003	58	0.04				BR									
SA42004	59	0.07				BR									
SA42004	60	0.07				BR									
SA42005	61	0.08	PAT	BR	W	BR	PARTWEATHD	SCHIST PEGMATIE						Qtz musc biotite sericite	Tray 12
SA42005	62	0.09	PAT	BR	W	YBR	PARTWEATHD	QTZ VEIN						Qtz kaolin limonite	
SA42006	63	0.29	PAT	W	BK	GYB	PARTWEATHD	SCHIST QTZ VEIN						Qtz biotite kaolin	
SA42006	64	0.11	PAT	BR	BK	BR	PARTWEATHD	SCHIST QTZ VEIN						Qtz biotite limonite kaolin	
SA42007	65	0.28	PAT	BR	W	BR	PARTWEATHD	QTZ VEIN SCHIST						Qtz biotite + musc sericite	
SA42007	66	0.13	PAT	BR	W	Y	PARTWEATHD	QTZ VEIN						Qtz biotite limonite musc	
SA42008	67	2.33	PAT	Y	W	W	PARTWEATHD	QTZ VEIN						Qtz biotite musc bio lim	
SA42008	68	2.75	PAT	BR	W	BR	PARTWEATHD	QTZ VEIN						Qtz biotite musc bio lim	
SA42009	69	0.46	PAT	BR	W	BR	PARTWEATHD	QTZ VEIN SCHIST						Qtz biotite musc bio lim	
SA42009	70	0.12	PAT	BK	BR	BR	PARTWEATHD	SCHIST						Biotite limonite sericite qtz	
SA42010	71	0	DK	BK	GY	BR	PARTWEATHD	SCHIST CLAY						Clay biotite graphite? limonite qtz sericite	
SA42010	72	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite graphite? limonite qtz sericite	Graphite on water
SA42011	73	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Most of sample is claysize
SA42011	74	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Most of sample is claysize
SA42012	75	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Most of sample is claysize
SA42012	76	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42013	77	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42013	78	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Clay left in chip tray
SA42014	79	0.03	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Clay left in chip tray
SA42014	80	0.05	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42015	81	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Tray 13
SA42015	82	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42016	83	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	Graphite in water
SA42016	84	0.01	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42017	85	0	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	More schist chips
SA42017	86	0.06	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	More schist chips

AMGE: 475400	AMGN: 6459245	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42018	87	0.04	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42018	88	0.05	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42019	89	0.07	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42019	90	0.04	DK	W	GBK	BR	PARTWEATHD	SCHIST CLAY						Clay biotite	
SA42020	91	0.08	DK	W	GBK	GBR	PARTWEATHD	CYST SCHIST							
SA42020	92	0.28	DK	BK	GBK	GBR	PARTWEATHD	CYST SCHIST						Biotite sericite lim graphite clay qtz	
SA42021	93	0.78	DK	BK	GBK	LBR	PARTWEATHD	SCHIST						Biotite sericite lim graphite clay qtz	
SA42021	94	0.31	DK	W	BR	LBR	PARTWEATHD	SCHIST						Biotite sericite lim graphite clay qtz	Less clay
SA42022	95	0.37	DK	W	BR	GGR	PARTWEATHD	SCHIST						Biotite sericite etc	Rock becoming fresher
SA42022	96	0.35	DK	W	BR	GGR	PARTWEATHD	SCHIST						Biotite sericite etc	
SA42023	97	0.15	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite etc	
SA42023	98	0.14	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite etc + py	Lot of graphite - becoming fresher
SA42024	99	0.15	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite etc	More pyrite still graphite
SA42024	100	0.11	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	More pyrite still graphite
SA42025	101	0.29	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	More pyrite still graphite Tray 14
SA42025	102	0.22	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42026	103	0.15	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42026	104	0.51	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc + garnets	
SA42027	105	0.36	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite + chlorite	
SA42027	106	0.41	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42028	107	0.52	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42028	108	0.34	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42029	109	0.13	DK	W	BR	GY	FRESH	SCHIST						Biotite sericite etc	
SA42029	110	0.15	DK	W	BR	GRG	PARTWEATHD	SCHIST						Biotite sericite etc	
SA42030	111	0.17	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite pyrite limonite qtz	Oxidation
SA42030	112	0.24	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite pyrite limonite qtz	
SA42031	113	0.68	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite pyrite limonite qtz	
SA42031	114	0.67	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite pyrite limonite qtz	

AMGE: 475400	AMGN: 6459245	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42032	115	0.64	DK	W	BR	GY	PARTWEATHD	SCHIST						Biotite sericite pyrite limonite qtz	
SA42032	116	1.04	DK	W	BR	GY	PARTWEATHD	SCHIST						Bio sericite pyrite lim qtz - py and garnets	
SA42033	117	1.18	DK	W	BR	GY	PARTWEATHD	SCHIST						Bio sericite pyrite lim qtz + py	
SA42033	118	0.99	DK	W	BR	GY	PARTWEATHD	SCHIST						Bio sericite pyrite lim qtz	
SA42034	119	1.39	DK	W	BR	GY	PARTWEATHD	SCHIST						Bio sericite pyrite lim qtz - py	
SA42034	120	1.33	DK	W	BR	GY	PARTWEATHD	SCHIST							
SA42035	121	1.96	DK	W	BR	GY	PARTWEATHD	SCHIST						Bio ser pyrite lim qtz + py	EOH 121m

MIM Exploration Downhole Log Sheet

Geo:SB | AMG AZ: 343 | INCL: 60 | Date: 1.12.96 | **Hole:WMP3**

AMGE: 475050 | AMGN: 6460365 | First From: 0

SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42036	1		DK	W	BR	BR									Tray 15
SA42036	2	0.71	DK	W	BR	BR	COVERSEQ	ARENQTZVNCLAY						Qtz fe oxide clay	
SA42037	3	0.33	DK	DBR	BR	BR	OXIDISED	ARENQTZVNCLAY						Qtz fe oxide clay	
SA42037	4	0.14	DK	DBR	BR	WBR	OXIDISED	ARENQTZVNCLAY						Qtz fe oxide clay	
SA42038	5	0.11	MED	W	LBR	WBR	OXIDISED	ARENQTZVNCLAY						Qtz fe oxide clay	
SA42038	6	0.12	MED	W	LBR	WBR	OXIDISED	CLAY						Fe oxide caly gypsum	
SA42039	7	0.08	MED	BR	BRP	BR	OXIDISED	CLAY FE OXIDE						Clay fe oxide qtz limonite	
SA42039	8	0.05	PAT	W	BRP	BR	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42040	9	0.03	PAT	W	BRP	W	OXIDISED	CLAY FE OXIDE						Clay fe oxide	More clays
SA42040	10	0.02	PAT	W	BRP	W	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42041	11	0	PAT	W	BRP	W	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42041	12	0	PAT	W	BRP	WPU	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42042	13	0	PAT	W	BRP	WPU	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42042	14	0	PAT	W	BRP	WPU	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42043	15	0	PAT	W	BRP	W/Y	OXIDISED	CLAY FE OXIDE						Clay fe oxide	
SA42043	16	0	MED	R	W	Y	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42044	17	0	MED	W	W	Y	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42044	18	0	MED	W	W	BRR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42045	19	0	MED	W	R	BRR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42045	20	0	MED	W	R	BRR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42046	21	0	MED	W	R	BRR	OXIDISED	QTZVEIN CLAY							Tray 16
SA42046	22	0	MED	W	R	BRR	OXIDISED	QTZVEIN CLAY							
SA42047	23	0	MED	W	R	BRR	OXIDISED	QTZVEIN CLAY							
SA42047	24	0	MED	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42048	25	0	MED	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42048	26	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42049	27	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42049	28	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42050	29	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY							
SA42050	30	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY							

AMGE: 475050	AMGN: 6460365	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42051	31	0	DK	W	R	MUS	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42051	32	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42052	33	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42052	34	0	DK	W	R	BR	OXIDISED	QTZVEIN CLAY						Qtz clay	
SA42053	35	0	DK	W	Y	Y	OXIDISED	PEGMATITE						Qtz mica fe oxide	
SA42053	36	0	DK	W	Y	Y	OXIDISED	PEGMATITE						Qtz mica fe oxide	
SA42054	37	0.12	DK	W	Y	Y	OXIDISED	PEGMATITE						Qtz mica fe oxide	
SA42054	38	0.08	DK	W	Y	Y	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42055	39	0.04	DK	W	Y	YBR	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42055	40	0.01	PAT	W	Y	YGR	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42056	41	0.05	MED	W	Y	Y	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42056	42	0.04	MED	Y	W	LBR	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42057	43	0.66	PAT	Y	W	LBR	OXIDISED	QTZ VEIN CLAY						Qtz clay	
SA42057	44	0.83	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42058	45	1.18	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42058	46	0.48	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42059	47	1.23	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42059	48	0.83	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42060	49	1.62	PAT	Y	W	LBR	OXIDISED	SCHIST QTZ VEIN						Mica qtz limonite	
SA42060	50	0.47	PAT	W	BK	LBR	OXIDISED	SCHIST						Biotite musc qtz sericite	
SA42061	51	0.64	PAT	W	BK	GY	OXIDISED	SCHIST						Biotite musc qtz sericite	
SA42061	52	2.47	PAT	W	BK	LBR	OXIDISED	QUARTZITE						Qtz biotite	
SA42062	53	1.49	PAT	BK	BR	LBR	OXIDISED	QUARTZITE						Qtz biotite	
SA42062	54	1.05	PAT	BK	BR	LBR	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite musc sericite	
SA42063	55	0.52	PAT	BK	BR	BR	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite muscovite	Diamond shaped red min
SA42063	56	0.77	MED	BK	Y	BR	PARTWEATHD	SCHIST						Qtz biotite muscovite	
SA42064	57	4.24	MED	BK	Y	BR	PARTWEATHD	SCHIST						Qtz biotite muscovite	
SA42064	58	1.62	MED	BK	Y	BR	PARTWEATHD	SCHIST						Qtz biotite muscovite	
SA42065	59	0.55	DK	Y	BK	GY	PARTWEATHD	SCHIST						Qtz biotite muscovite	More schist
SA42065	60	0.34	PAT	Y	BK	GY	PARTWEATHD	SCHIST						Qtz biotite muscovite	
SA42066	61	0.37	PAT	Y	BK	GY	PARTWEATHD	SCHISTQUATZITE						Biotite qtz muscovite	
SA42066	62	0.35	PAT	BK	Y	GYY	PARTWEATHD	SCHIST						Biotite qtz muscovite	
SA42067	63	0.12	PAT	BK	Y	YGY	PARTWEATHD	SCHISTPEGMATITE						Biotite qtz muscovite	

AMGE: 475050	AMGN: 6460365	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42067	64	0.14	PAT	BK	Y	YGY	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42068	65	0.68	PAT	BK	Y	YGY	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42068	66	1.48	PAT	BK	Y	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42069	67	2.14	PAT	BK	Y	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42069	68	1.02	PAT	BK	Y	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42070	69	1.12	PAT	BK	Y	GRY	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42070	70	0.47	PAT	Y	BK	GRY	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42071	71	0.36	PAT	Y	BK	GRY	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42071	72	1.51	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42072	73	1.16	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42072	74	0.68	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42073	75	0.39	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42073	76	0.13	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Biotite qtz muscovite	
SA42074	77	0.06	PAT	Y	BK	GRN	PARTWEATHD	SCHIST						Qtz biotite musc sericite	
SA42074	78	0.21	PAT	Y	BK	GRY	PARTWEATHD	SCHIST						Qtz biotite musc sericite	
SA42075	79	0.37	PAT	W	BK	GRN	PARTWEATHD	SCHIST QTZVEIN						Qtz biotite muscovite	
SA42075	80	0.94	PAT	Y	BK	GRN	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite muscovite	
SA42076	81	0.81	PAT	W	BK	GRN	PARTWEATHD	SCHIST QTZ VEIN						Qtz biotite	
SA42076	82	0.61	PAT	W	BK	GRN	PARTWEATHD	SCHIST QTZ VEIN						Qtz biotite chlorite	
SA42077	83	0.72	PAT	Y	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite chlorite musc	
SA42077	84	1.04	PAT	Y	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite chlorite	
SA42078	85	0.95	PAT	W	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite chlorite	
SA42078	86	1.53	PAT	W	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite chlorite	
SA42079	87	1.72	PAT	W	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite chlorite	
SA42079	88	0.71	PAT	W	BK	GRB	PARTWEATHD	SCHISTQUARTZITE						Qtz biotite sericite chlorite pyrite	
SA42080	89	0.45	PAT	W	BK	GRB	PARTWEATHD	SCHIST						Qtz biotite sericite chlorite pyrite	
SA42080	90	1.34	PAT	W	BK	GRB	PARTWEATHD	SCHIST						Qtz biotite sericite chlorite pyrite	
SA42081	91	0.83	PAT	W	BK	GRY	PARTWEATHD	SCHIST						Qtz biotite chlorite sericite muscovite	
SA42081	92	0.75	PAT	W	BK	GRY	PARTWEATHD	SCHIST						Qtz biotite chlorite sericite muscovite	

AMGE: 475050	AMGN: 6460365	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42082	93	1.37	PAT	W	BK	GRY	PARTWEATHD	SCHIST						Qtz biotite chlorite sericite muscovite	
SA42082	94	2.98	PAT	W	BK	BR	PARTWEATHD	SCHIST						Qtz biotite chlorite sericite muscovite	
SA42083	95	1.39	PAT	W	BK	GY	FRESH	SCHIST						Qtz bio musc chlorite	
SA42083	96	2.93	PAT	W	BK	GY	FRESH	SCHIST						Qtz bio musc chlorite + pyrite (minor)	
SA42084	97	1.98	PAT	Y	BK	BR	FRESH	SCHIST						Qtz biotite musc pyrite	Yellow alteration Previously thought to be
SA42084	98	21.87	PAT	Y	BK	BR	FRESH	SCHIST						Qtz biotite musc pyrite + mafic	oxidisation
SA42085	99	30.72	PAT	W	BK	GY	FRESH	SCHIST						Qtz biotite musc pyrite + mafic	Maybe oxidisation after all
SA42085	100	30.72	PAT	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42086	101	20.56	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite + mafic	
SA42086	102	32.78	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42087	103	28.38	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42087	104	54.99	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42088	105	67.96	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42088	106	13.06	MED	W	BK	GY	FRESH	SCHIST						Qtz bio musc pyrite	
SA42089	107	8.2	PAT	BK	BR	BR	PARTWEATHD	SCHIST						Qtz bio lim pyrite mafic	
SA42089	108	2.72	PAT	BK	BR	BR	PARTWEATHD	SCHISTPEGMATITE						Qtz bio lim chlorite pyr mafic	
SA42090	109	6.26	PAT	BK	BR	BR	PARTWEATHD	SCHISTPEGMATITE						Biotite + sericite - pyrite	
SA42090	110	15.57	PAT	BK	BR	BR	PARTWEATHD	SCHIST						Qtz bio lim chlorite pyrite	A cubic or diamond shaped dark brown
SA42091	111	56.86	PAT	BK	BR	BR	PARTWEATHD	SCHIST						Qtz bio lim chlorite pyrite	mineral is in the sample
SA42091	112	107.2	PAT	W	BK	GY	FRESH	QUARTZITESCHIST						Qtz biotite pyrite mafic	Crystals evident
SA42092	113	56.01	PAT	W	BK	GY	FRESH	QUARTZITESCHIST						Qtz bio pyrite chlorite sericite	
SA42092	114	1.78	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite	Biotite increased
SA42093	115	0.69	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite	
SA42093	116	1.49	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite chlorite	
SA42094	117	1.32	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite chlorite + sericite	More chlorite
SA42094	118	0.78	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite	
SA42095	119	0.65	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite	

AMGE: 475050	AMGN: 6460365	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42095	120	1.54	DK	GRN	BK	GY	FRESH	SCHIST						Chlorite	
SA42096	121	0.63	DK	GRN	BK	GY	FRESH	SCHIST						Biotite pyrite chlorite	
SA42096	122	0.34	PAT	BR	BK	GRN	OXIDISED	SCHIST						Biotite pyrite limonite chlorite	
SA42097	123	0.21	DK	GRN	BK	GRN	FRESH	MAFIC SCHIST						Mafic pyrite chlorite qtz	
SA42097	124	0.35	DK	GRN	BK	GRN	FRESH	SCHIST						Biotite pyrite chlorite qtz	
SA42098	125	0.88	DK	GRN	BK	GRN	FRESH	SCHIST						Biotite pyrite chlorite qtz	
SA42098	126	0.49	DK	W	BK	GY	FRESH	SCHIST						Biotite pyrite chlorite qtz	
SA42099	127	2.69	DK	W	BK	GY	FRESH	SCHIST						Biotite pyrite chlorite qtz	
SA42099	128	1.12	DK	GRN	BK	GY	FRESH	SCHIST						Biotite muscovite pyrite	Shear zone
SA42100	129	0.74	DK	BR	BK	GY	FRESH	SCHIST						Biotite musc sericite pyrite qtz	Shear zone
SA42100	130	2.29	DK	BR	BK	GY	FRESH	SCHIST						Micas qtz pyrite chlorite	Shear zone
SA42101	131	0.54	DK	BR	BK	GY	FRESH	SCHIST						Micas qtz pyrite chlorite	
SA42101	132	0.56	DK	BR	BK	GY	FRESH	SCHIST						Micas qtz pyrite chlorite	
SA42102	133	0.61	DK	W	BK	GY	FRESH	SCHIST						Micas qtz pyrite chlorite	
SA42102	134	1.02	DK	W	BK	GY	FRESH	SCHIST						micas	
SA42103	135	1.02	DK	W	BK	GY	FRESH	SCHIST						micas	
SA42103	136	0.61	DK	W		GY	FRESH	SCHIST						Micas - pyrite	
SA42104	137	0.62	DK	W	BK	GY	FRESH	SCHIST						Micas - pyrite	
SA42104	138	0.64	DK	W	BK	GY	FRESH	SCHIST						Micas - pyrite	
SA42105	139	0.26	DK	W	BK	GY	FRESH	SCHIST						Micas - pyrite	
SA42105	140	1.27	DK	W	BK	GY	FRESH	SCHIST						Micas - pyrite	
SA42106	141	3.68	DK	Y	BK	GY	FRESH	SCHIST						Qtz biotite pyrite chlorite yellow min	
SA42106	142	1.23	DK	Y	BK	GY	FRESH	SCHIST						Qtz biotite pyrite chlorite yellow min	
SA42107	143	1.62	DK	Y	BK	GY	FRESH	SCHIST						Qtz biotite pyrite chlorite yellow min	
SA42107	144	1.8	DK	W	BK	GY	FRESH	SCHIST						Mica sericite pyrite	Shear zone
SA42108	145	1.04	DK	W	BK	GY	FRESH	SCHIST						Mica sericite pyrite	
SA42108	146	2.94	DK	W	BK	GY	FRESH	SCHIST						Mica sericite pyrite	
SA42109	147	1.28	DK	R	BK	GY	FRESH	SCHIST						Mica sericite pyrite + red min	

AMGE: 475050	AMGN: 6460365	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42109	148	3.56	DK	R	BK	GY	FRESH	SCHIST						Mica sericite pyrite + red min	
SA42110	149	2.14	DK	R	BK	GY	FRESH	SCHIST						Mica sericite pyrite + red min	
SA42110	150	2.4	DK	R	BK	GY	FRESH	SCHIST						Mica sericite pyrite + red min	EOH 150m

MIM Exploration Downhole Log Sheet

Geo:SB | AMG AZ: 163 | INCL: 60 | Date: 2.12.96 | **Hole:WMD4**

AMGE: 474614 | AMGN: 6460745 | First From: 0

SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42111	1														Tray 23
SA42111	2	1.21	DK	BR	BR	BR	COVERSEQ	ARENQTZVEIN						Qtz fe oxide	
SA42112	3	12.39	DK	BR	BR	BR	COVERSEQ	ARENQTZVEIN						Qtz fe oxide	
SA42112	4	16.18	DK	Y	BR	BRY	OXIDISED	CLAY						Fe oxide clay	
SA42113	5	7.9	PAT	Y	BR	Y	OXIDISED	CLAYSILCRETE						Goethite qtz mag hemite silcrete	
SA42113	6	1.26	LT	BR	W	Y/W	OXIDISED	CLAYSILCRETE						Goethite kaolin qtz mag hemite	
SA42114	7	0.09	LT	W	W	W	OXIDISED	CLAYQTZ						Kaolin qtz	
SA42114	8	0.03	LT	W	W	W	OXIDISED	CLAYQTZ						Kaolin qtz	
SA42115	9	0.02	LT	W	W	W	OXIDISED	CLAYQTZ						Kaolin qtz	
SA42115	10	0.02	LT	BR	W	W	OXIDISED	CLAYQTZ						Kaolin qtz limonite	
SA42116	11	0	LT	BR	W	W	OXIDISED	CLAYQTZ						Kaolin qtz limonite	
SA42116	12	0	LT	GY	W	W	OXIDISED	CLAYQTZ						Kaolin qtz limonite	
SA42117	13	0	LT	GY	W	W	OXIDISED	CLAYSCHIST						Clay qtz mica (sericite)	
SA42117	14	0	LT	GY	W	W	OXIDISED	CLAYSCHIST						Clay qtz mica (sericite)	
SA42118	15	0	LT	BK	W	W	OXIDISED	QTZMICASCHIST						Qtz biotite sericite clay musc	
SA42118	16	0	LT	BK	W	W	OXIDISED	QTZMICASCHIST						Qtz biotite sericite clay musc	
SA42119	17	0	LT	BK	W	W	OXIDISED	QTZMICASCHIST						Qtz biotite sericite clay musc + limonite	
SA42119	18	0.01	LT	BK	W	W	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42120	19	0.02	LT	BK	W	W	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42120	20	0.03	LT	BK	W	LGY	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42121	21	0.21	LT	BK	W	LGY	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42121	22	0.22	LT	BK	W	LGY	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42122	23	0.23	LT	BK	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	More limonite
SA42122	24	0.22	PAT	BK	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42123	25	0.19	PAT	BR	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42123	26	0.18	PAT	BK	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42124	27	0.16	PAT	BK	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42124	28	0.13	PAT	BK	W	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	Graphite in water
SA42125	29	0.05	MED	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42125	30	0.08	MED	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz bio sericite clay musc	
SA42126	31	0.31	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42126	32	0.35	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42127	33	0.35	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42127	34	0.27	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42128	35	0.32	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42128	36	0.33	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42129	37	0.35	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42129	38	0.22	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42130	39	0.29	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	Graphite in water
SA42130	40	0.34	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42131	41		DK	BK			OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42131	42	0.54	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42132	43	0.51	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42132	44	0.48	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	Graphite
SA42133	45	0.47	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	Graphite
SA42133	46	0.49	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	Graphite
SA42134	47	0.48	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42134	48	0.48	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42135	49	0.45	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42135	50	0.42	DK	BK	BR	BR	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42136	51	0.54	DK	BK	BR	MUS	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42136	52	0.63	DK	BK	BR	MUS	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42137	53	0.61	DK	BK	BR	MUS	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42137	54	0.68	DK	BK	BR	MUS	OXIDISED	QTZMICASCHIST						Qtz mica limonite	
SA42138	55	0.66	DK	W	BK	GBR	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	Less limonite
SA42138	56	0.58	DK	W	BK	GBR	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	
SA42139	57	0.62	DK	W	BK	GBR	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	
SA42139	58	0.67	DK	BK	BR	GRN	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	
SA42140	59	0.69	DK	BK	BR	LBR	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	
SA42140	60	0.75	DK	W	BK	LBR	PARTWEATHD	QTZMICASCHIST						Qtz mica limonite	

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42141	61	0.79	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42141	62	0.76	DK	WBR	BK	GY	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42142	63	0.81	DK	WBR	BK	GY	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42142	64	1.07	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42143	65	0.78	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42143	66	0.72	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42144	67	0.71	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42144	68	0.76	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42145	69	0.85	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42145	70	0.96	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42146	71	0.82	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42146	72	0.84	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42147	73	0.71	DK	WBR	BK	GBR	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42147	74	0.88	DK	WBR	BK	GY	PARTWEATHD	SCHIST						Biotite qtz musc sericite	
SA42148	75	1.01	DK	BR	BK	GY	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	
SA42148	76	0.67	DK	BR	BK	GY	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	
SA42149	77	0.64	DK	BR	BK	GY	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	
SA42149	78	0.56	DK	BR	BK	GRN	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	
SA42150	79	0.57	DK	BR	BK	GRN	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	Shear zone
SA42150	80	0.74	DK	BR	BK	GRN	PARTWEATHD	SCHIST						bio musc ser qtz lim graphite	
SA42151	81	0.99	DK	BR	BK	GRN	PARTWEATHD	BKSHALEPYRITIC						bio musc ser qtz lim graphite	
SA42151	82	0.98	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42152	83	1.64	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42152	84	1.12	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42153	85	0.68	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42153	86	1.48	DK	Y	BK	GY	FRESH	BKSHALEPYRITIC						Graphite musc bio + pyrite	
SA42154	87	1.49	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite musc bio + pyrite	
SA42154	88	1.18	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
SA42155	89	1.39	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42155	90	1.49	DK	BR	BK	GY	PARTWEATHD	BKSHALEPYRITIC						Graphite muscovite biotite	
SA42156	91	0.84	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite biotite musc + pyrite lim sheared	
SA42156	92	1.19	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite biotite musc + pyrite lim sheared	
SA42157	93	1.61	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite biotite musc + pyrite lim sheared	
SA42157	94	1.14	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite biotite musc + pyrite lim sheared	
SA42158	95	1.31	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite biotite musc + pyrite lim sheared	
SA42158	96	1.76	DK	BR	BK	GY	PARTWEATHD	BKSHALESCHIST						Shale graphite bio musc + pyrite lim sheared+grn min (epidote)	
SA42159	97	1.18	DK	W	BK	GY	FRESH	SCHIST						Biotite qtz pyrite muscovite	
SA42159	98	3.53	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42160	99	3.44	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42160	100	1.47	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42161	101	1.83	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42161	102	2.12	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42162	103	2.54	DK	W	BK	GY	FRESH	SCHIST						Bio qtz pyrite musc ser	
SA42162	104	2.29	MED	BK	W	GY	FRESH	PEGMATITE						Qtz epi bio sericite pyrite	
	105.2	4.28						PEGMATITE						Qtz epi bio sericite pyrite	EOPercussion - 105.2m
	106		MED	CM	W	N/A	FRESH	PEGMATITE	Breccia					Qtz - fx musc	Large fractured feldspars to 3cm
	107		MED	CM	W	N/A	FRESH	PEGMATITE	Breccia veins			(gyps?veins)		Qtz - fx musc chl veins	Fractured pegmatite 1cm chl veins open space vughs
	108		MED	GRN	BK	N/A	FRESH	SCHIST	Foliation					Bt - fx musc - sillim?	
	109		MED	GRN	BK	N/A	FRESH	SCHIST	Foliation					Bt - fx musc-sillim? + qtz	Migmatitic??
	110		MED	GRN	BK	N/A	FRESH	SCHIST	Foliation					Bt - fx musc-sillim? + qtz	
	111		MED	CM	GRN	N/A	FRESH	PEGMATITE	Coarse graind		0.5			Fx qtz nusc bt epi + chl	Perthitic fx (tr:py+chl) wispy alteration
	112		MED	CM	GRN	N/A	FRESH	PEGMATITE	Coarse grain	chalcocite or Mno2				Fx qtz musc bt epi	Orientation mark at 111.13m
	113		MED	CM	GRN	N/A	FRESH	PEGMATITE	Coarse graind					Fx qtz musc ser chl	Chl alteration
	114		MED	CM	GRN	N/A	FRESH	PEGMATITE	Folncsegraind		1			Fx qtz musc chl	C grained qtz assoc with dissem pyrite?
	115		MED	GRN	BK	N/A	FRESH	SCHIST	Foliation		2			Qtz fx bt epi py	Dissem py core/layer angle 30 deg
	116		MED	GRN	BK	N/A	FRESH	SCHIST	Foliation		0.5			Qtz fx bt epi py	Core/layer 40 deg

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS $SIx10^{-3}$	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
	117		MED	GRN	GY	N/A	FRESH	SCHIST	Foliation		0.5			Qtz fx bt epi py	Sulphides // to layering
	118		MED	GRN	GY	N/A	FRESH	SCHIST	Foliation		1			Qtz fx bt epi py	Trace sulphides on margin and within deformed qtz veins
	119		MED	W	CM	N/A	FRESH	PEGMATITE	Coarse graind		1			Qtz fx chl py	Py + chl assemblage
	120		MED			N/A	FRESH	SCHIST	Foliation		1			Qtz fx bt musc py	Dissem + vein hosted sulphide
	121		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx qtz bt epi py	Dissem py
	122		MED	W	CM	N/A	FRESH	PEGMATITE	C grained		0.5			Qtz fx musc chl?/bt?	Trace py with qtz
	123		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx qtz bt epi musc	
	124		MED	W	CM	N/A	FRESH	PEGMATITE	C grained/bx		0.5			Fx qtz musc bt	Brecciated c. grained pegmatite
	125		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx bt qtz epi	Minor py crosscutting foliation core/layer 30 deg
	126		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt fx musc qtz chl	Pyrite subparallel to foliation on planes
	127		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt fx musc qtz chl	Core/layer 40 deg
	128		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt fx musc qtz chl	Qtz fx migmatitic layers (py along foln)
	129		MED	CM	GY	N/A	FRESH	PEGMATITE	Foliation					Fx qtz musc	Coarse grained pegmatite + qtz vein
	130		MED	CM	GY	N/A	FRESH	PEGMATITE	C grained bx					Fx qtz musc	Coarse grained pegmatite + qtz vein
	131		MED	BK	GY	N/A	FRESH	SCHIST	C grained bx		0.5			Fx musc bt qtz	Trace pyrite at pegmatite/schist contact
	132		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz	Pyrite on layering planes c/l 35 deg
	133		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz	+ trace galena on fractures in core
	134		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz	
	135		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz + fluorite	Trace dissem galena
	136		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz	Band of galena
	137		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz	Pyrite on foliation planes
	138		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz	Trace galena dissem
	139		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz	
	140		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz	Large (2mm) py cubes on fracture surfaces
	141		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz	Chlorite matrix to hydaulic breccia and late carbonate veins
	142		MED	BK	GY	N/A	FRESH	PEGMATITESCHIS	C grained bx		2			Qtz fx musc chl carb	
	143		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz tr gal	
	144		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz tr gal	Excellent lineation at 80 deg to core
	145		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz tr gal + chl	Py on cleavage surfaces
	146		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Fx musc bt qtz tr gal	Py and po with qtz

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS Six10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
	147		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz tr gal	Tr galena
	148		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz tr gal	Possible sphalerite
	149		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz tr gal	
	150		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz tr gal	Trace Po
	151		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz	Tr dissem galena
	152		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz	Diss Po core/layer 30 deg
	153		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz	Tr py on cleavage planes
	154		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz + chl	
	155		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Fx musc bt qtz + chl	
	156		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz + chl	Blebby po crenulation cleavage present
	157		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Fx musc bt qtz	Cubic pyrite growth on fractures
	158		MED	BK	GY	N/A	FRESH	SCHIST	Foliation		5			Fx musc bt qtz py? or po?	Wispt core appearance
	159		MED	CM	GY	N/A	FRESH	PEGMATITE	Coarse graind		0.5			Qtz fx chl epi ser?	
	160		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	161		DK	BK	GY	N/A	FRESH	SCHIST	Foliation bx		3			Bt qtz fx musc	Brecciated fault zone core/layer 30 deg
	162		MED	CM	GY	N/A	FRESH	PEGMATITE	Coarse graind		0.5			Fx qtz musc	
	163		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Bt qtz fx musc	Py on layer parallel vein
	164		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt qtz fx musc	Py and po
	165		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt qtz fx musc	+ sphalerite?? wispy
	166		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt qtz fx musc	
	167		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	168		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	+ Po
	169		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Bt qtz fx musc	
	170		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		2			Bt qtz fx musc	Py on small layer // veins with chl
	171		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	172		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	173		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	174		DK	CM	GY	N/A	FRESH	PEGMATITE	Coarse graind		0.5			Fx qtz musc bt + chl	
	175		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	176		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	177		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	178		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc + chl	
	179		MED	CM	GY	N/A	FRESH	PEGMATITE	Coarse graind		0.5			Fx qtz musc epi	+ tourmaline??

AMGE: 474614	AMGN: 6460745	First From: 0													
SAMPLE	TO	M.SUS SIx10^{-3}	INTY	SECOND COL	MAIN COL	DUST COL	REGOLITH	LITH	TEXTURE/ QUALIFIERS	VNQ %	PYR %	FeO %	MINOCC	MINERALS / ALTERATION	COMMENTS
	180		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	181		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Minor py veins and thin coatings on cleavage surfaces
	182		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Minor py veins and thin coatings on cleavage surfaces
	183		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Minor py veins and thin coatings on cleavage surfaces
	184		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Minor py veins and thin coatings on cleavage surfaces
	185		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Minor py veins and thin coatings on cleavage surfaces
	186		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		1			Bt qtz fx musc	Small galena vein patch of qtz + po
	187		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	188		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Fault zone
	189		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	190		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	191		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	192		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	193		DK	BK	GY	N/A	FRESH	SCHIST	Folnbrecciation		2			Bt qtz fx musc	Blebby layer // sulphide patches
	194		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Some pegmatite clasts
	195		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	196		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Po
	197		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	
	197.57		DK	BK	GY	N/A	FRESH	SCHIST	Foliation		0.5			Bt qtz fx musc	Wispy appearance of rock
															EOH at 197.57m in biotite schist

Appendix 2

Drill Results

1996 WOMPINIE DRILLING ASSAYS

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM1	0	2	SA41901		0.02	32.6	6.8	47.2	8	2.5	42900	302.1	ADO15941
WM1	2	4	SA41902		0.005	37.4	4.8	29	9	7	40700	177.4	ADO15941
WM1	4	6	SA41903		0.005	72.1	1.4	8.7	5	16	40100	85.7	ADO15941
WM1	6	8	SA41904		0.005	41.1	0.8	6.8	3	11	35400	55.1	ADO15941
WM1	8	10	SA41905		0.005	43.3	1.1	9.6	8	9	36100	58.2	ADO15941
WM1	10	12	SA41906		0.005	44.8	3.3	6.6	4	6	37500	50.8	ADO15941
WM1	12	14	SA41907		0.005	35.2	3	6.3	6	2.5	32900	30.9	ADO15941
WM1	14	16	SA41908		0.02	48.2	2.7	6.6	3	2.5	44300	36.4	ADO15941
WM1	16	18	SA41909		0.02	66.3	11.1	5.9	10	2.5	41300	24.6	ADO15941
WM1	18	20	SA41910		0.02	47.3	7.6	4.3	4	2.5	23000	23	ADO15941
WM1	20	22	SA41911		0.02	61.5	19.6	13.1	7	2.5	17500	28.2	ADO15941
WM1	22	24	SA41912		0.005	93.3	24.1	19.8	5	2.5	18800	40.2	ADO15941
WM1	24	26	SA41913		0.005	94.3	15	20.1	9	2.5	28200	42.1	ADO15941
WM1	26	28	SA41914	0.005	0.005	64.1	16.8	11.3	6	2.5	23400	35	ADO15941
WM1	28	30	SA41915		0.005	50.9	32	8.7	10	2.5	17200	29.7	ADO15941
WM1	30	32	SA41916		0.02	36.4	26.4	7	7	2.5	16600	26.7	ADO15941
WM1	32	34	SA41917		0.005	45.4	22.9	11.6	10	2.5	15600	39.9	ADO15941
WM1	34	36	SA41918	0.005	0.005	84.6	24.9	19.7	7	2.5	14800	45.3	ADO15941
WM1	36	38	SA41919		0.02	127.8	17.1	32.3	8	2.5	22400	57.1	ADO15941
WM1	38	40	SA41920		0.02	169.3	13.5	33.3	7	2.5	31000	58.6	ADO15941
WM1	40	42	SA41921		0.005	187.9	6.4	27.9	6	10	28700	45.9	ADO15941
WM1	42	44	SA41922		0.005	134.2	10.1	33.9	10	12	39500	59	ADO15941
WM1	44	46	SA41923		0.005	225.3	9.6	51.2	11	28	81600	72.8	ADO15941
WM1	46	48	SA41924		0.005	197.6	21.7	30.1	8	7	29300	63.8	ADO15941
WM1	48	50	SA41925		0.005	117.3	13.6	28.2	9	2.5	30800	70.7	ADO15941
WM1	50	52	SA41926		0.005	94.1	14.9	31.3	7	2.5	30400	73.4	ADO15941
WM1	52	54	SA41927		0.005	103	17.8	30.9	8	2.5	32300	68.6	ADO15941
WM1	54	56	SA41928		0.005	81.1	5.7	29.6	8	2.5	27500	90.6	ADO15941
WM1	56	58	SA41929		0.02	91.1	7.1	32.1	5	2.5	30400	101.2	ADO15941
WM1	58	60	SA41930		0.005	81.2	8.4	28.3	10	2.5	27300	107.3	ADO15941
WM1	60	62	SA41931		0.005	67.5	7.7	28.4	6	2.5	20900	126.3	ADO15941
WM1	62	64	SA41932		0.005	290.2	8.2	172.7	6	12	41900	814.8	ADO15941
WM1	64	66	SA41933		0.005	303.3	16.1	120	3	2.5	33500	946.7	ADO15941

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM1	66	68	SA41934		0.005	427	10.2	87.5	7	12	41400	440	ADO15941
WM1	68	70	SA41935		0.02	721.7	4.2	90.4	10	29	81800	200.6	ADO15941
WM1	70	72	SA41936		0.005	781.5	2.5	108.2	8	21	59300	195.6	ADO15941
WM1	72	74	SA41937		0.005	545	3.9	81.7	13	27	61400	150.1	ADO15941
WM1	74	76	SA41938		0.02	567.4	3.8	88.2	20	30	92000	364.2	ADO15941
WM1	76	78	SA41939		0.005	583.9	1.5	107.1	11	12	88800	226.8	ADO15941
WM1	78	80	SA41940		0.02	214	6.2	52.6	5	2.5	40200	139.1	ADO15941
WM1	80	82	SA41941		0.005	169.4	4.3	41.6	8	11	45200	137.7	ADO15941
WM1	82	84	SA41942		0.02	110.5	12.5	40.5	8	6	32700	113.9	ADO15941
WM1	84	86	SA41943		0.02	166.8	5	122.6	10	2.5	45300	233.3	ADO15941
WM1	86	88	SA41944		0.005	119.3	12.8	92.8	9	21	47900	282.3	ADO15941
WM1	88	90	SA41945	0.02	0.02	45.4	10.7	42.4	5	7	26700	202	ADO15941
WM1	90	92	SA41946		0.005	66.5	12.4	34.3	6	6	24400	406.2	ADO15941
WM1	92	94	SA41947		0.005	77.5	3	33.8	7	26	34900	299.7	ADO15941
WM1	94	96	SA41948		0.02	59.6	2.7	28.9	5	39	32400	222.8	ADO15941
WM1	96	98	SA41949		0.005	69.5	2.1	30.4	9	38	51400	311.7	ADO15941
WM1	98	100	SA41950		0.005	69.5	2.6	24.7	6	17	42000	231.7	ADO15941
WM1	100	102	SA41951		0.005	110.7	2	19.2	13	2.5	44300	220.4	ADO15941
WM1	102	104	SA41952		0.005	95.8	2.4	17.5	7	2.5	36900	164.7	ADO15941
WM1	104	106	SA41953		0.02	125.6	2.4	17.7	7	2.5	38100	158.7	ADO15941
WM1	106	108	SA41954		0.03	66.4	6	14.9	6	10	32400	132.1	ADO15941
WM1	108	110	SA41955		0.005	85.8	5.8	16.8	10	15	34800	118.8	ADO15941
WM1	110	112	SA41956		0.02	86.1	6.3	18.5	8	2.5	34700	134.7	ADO15941
WM1	112	114	SA41957		0.02	58.5	3.9	16	5	2.5	30700	168.1	ADO15941
WM1	114	116	SA41958		0.02	74.4	4.9	15.5	6	2.5	35400	130.7	ADO15941
WM1	116	118	SA41959		0.005	61.2	6.8	19.2	7	85	30400	133	ADO15941
WM1	118	120	SA41960		0.005	75.3	4	20.3	6	21	32900	121.5	ADO15941
WM1	120	122	SA41961		0.005	56.3	3.9	20.4	5	6	36400	111.5	ADO15941
WM1	122	124	SA41962		0.02	64.3	5.9	30.3	60	2.5	42900	143.1	ADO15941
WM1	124	126	SA41963		0.005	53.2	4.3	20.4	46	2.5	35400	118.9	ADO15941
WM1	126	128	SA41964		0.02	64.3	4.2	14.4	11	2.5	37600	130.5	ADO15941
WM1	128	130	SA41965		0.02	82.8	4.7	14.8	55	2.5	42600	162.4	ADO15941
WM1	130	132	SA41966		0.005	87.9	4.9	13.7	9	2.5	34900	134.1	ADO15941

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM1	132	134	SA41967		0.02	174.3	4.8	15.9	21	2.5	38100	158.3	ADO15941
WM1	134	136	SA41968		0.02	410	4.3	18.1	18	44	35800	157.3	ADO15941
WM1	136	138	SA41969		0.02	310.9	5.5	16.7	16	2.5	34600	161.2	ADO15941
WM1	138	140	SA41970		0.005	184.9	8.5	26.9	32	21	50600	262.8	ADO15941
WM1	140	142	SA41971		0.02	147.4	20.9	34.6	13	11	31400	170.5	ADO15941
WM1	142	144	SA41972		0.02	363.9	6.7	29.2	22	2.5	38700	196.6	ADO15941
WM1	144	146	SA41973		0.02	449.5	23.6	37.2	21	2.5	57700	476.3	ADO15941
WM1	146	147	SA41974		0.005	122.9	6.6	38.7	11	7	34100	287.2	ADO15941
WM2	0	2	SA41975		0.02	18.8	6.9	30.4	5	2.5	30600	269.5	ADO15941
WM2	2	4	SA41976		0.02	18.9	5.4	26.1	9	19	41200	181.5	ADO15941
WM2	4	6	SA41977		0.02	17.6	4.8	26.5	4	2.5	32400	133.1	ADO15941
WM2	6	8	SA41978		0.005	30.8	8	22.5	5	2.5	35100	80.3	ADO15941
WM2	8	10	SA41979		0.005	30.8	5.6	27.2	4	2.5	31000	58.5	ADO15941
WM2	10	12	SA41980		0.005	43.5	4.8	27.9	6	2.5	29300	118.5	ADO15941
WM2	12	14	SA41981		0.02	29.7	5.9	39.5	3	2.5	53500	104	ADO15941
WM2	14	16	SA41982		0.005	24.6	6.1	10.3	2	2.5	16700	54.7	ADO15941
WM2	16	18	SA41983	0.02	0.005	20	7.5	13.5	3	2.5	18500	52.7	ADO15941
WM2	18	20	SA41984		0.02	41.4	7.9	14.7	2	2.5	15400	50.3	ADO15941
WM2	20	22	SA41985		0.005	58.2	19.7	29.6	5	2.5	27100	110.1	ADO15941
WM2	22	24	SA41986		0.02	40.1	10.9	26	4	2.5	22600	79.4	ADO15941
WM2	24	26	SA41987		0.02	29.6	12.6	19.3	5	2.5	25700	65.9	ADO15941
WM2	26	28	SA41988		0.02	38.4	12.2	15.6	4	2.5	19800	41.9	ADO15941
WM2	28	30	SA41989		0.02	20.7	7.9	18.7	4	2.5	19800	58.9	ADO15941
WM2	30	32	SA41990		0.02	21.8	7	17	5	2.5	18000	43.9	ADO15941
WM2	32	34	SA41991	0.005	0.02	17.3	6.9	16.3	5	2.5	18000	35.9	ADO15941
WM2	34	36	SA41992		0.005	19.8	7.4	19.4	7	2.5	19200	44.9	ADO15941
WM2	36	38	SA41993	0.005	0.005	25.6	8	22.6	7	2.5	19200	31.9	ADO15941
WM2	38	40	SA41994		0.02	21.8	13.2	22.7	8	2.5	22200	46.9	ADO15941
WM2	40	42	SA41995		0.005	38.1	15.5	32	13	9	34100	70.9	ADO15941
WM2	42	44	SA41996		0.02	46	30.5	55	14	26	41300	116.8	ADO15941
WM2	44	46	SA41997		0.02	42.4	17.8	33.8	12	2.5	39500	89.8	ADO15941
WM2	46	48	SA41998		0.02	38.3	10.3	28.3	9	8	23400	54.9	ADO15941
WM2	48	50	SA41999		0.02	40.6	7.6	27.8	12	8	18000	47.9	ADO15941

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM2	50	52	SA42000		0.02	63.6	9	42.6	12	28	50900	99.8	ADO15941
WM2	52	54	SA42001		0.02	31.9	16.2	20.9	8	84	32900	259.5	ADO15941
WM2	54	56	SA42002		0.03	45.3	11.8	24.7	17	12	29300	52.9	ADO15941
WM2	56	58	SA42003		0.02	74.8	63.8	30.2	9	71	61700	42.9	ADO15941
WM2	58	60	SA42004		0.02	33.2	19.8	15.8	8	29	32900	17	ADO15941
WM2	60	62	SA42005		0.005	38.6	14	13	9	30	31100	27.9	ADO15941
WM2	62	64	SA42006		0.02	48.9	15.1	23.2	6	21	22200	81.8	ADO15941
WM2	64	66	SA42007		0.02	33.5	10.7	19.2	5	33	32900	47.9	ADO15941
WM2	66	68	SA42008		0.005	68.5	11.3	42.7	7	19	47900	85.8	ADO15941
WM2	68	70	SA42009		0.02	24	6.3	7.6	11	8	15000	34.9	ADO15941
WM2	70	72	SA42010		0.005	29.6	14.7	19	5	24	21600	71.9	ADO15941
WM2	72	74	SA42011		0.02	33.5	15.5	20.3	7	69	41300	237.5	ADO15941
WM2	74	76	SA42012		0.02	23.6	14.7	16.3	6	38	34100	294.4	ADO15941
WM2	76	78	SA42013		0.02	24.2	17.7	17.3	6	32	45500	309.4	ADO15941
WM2	78	80	SA42014		0.005	34.5	11.4	18.1	7	2.5	29900	113.8	ADO15941
WM2	80	82	SA42015		0.005	26.1	21.6	16	6	2.5	31700	135.7	ADO15941
WM2	82	84	SA42016		0.02	32.2	17.8	18.1	6	2.5	33500	152.7	ADO15941
WM2	84	86	SA42017		0.02	34.1	20.8	19.5	8	2.5	38900	130.8	ADO15941
WM2	86	88	SA42018		0.02	33.5	14.2	21.5	7	2.5	38300	173.7	ADO15941
WM2	88	90	SA42019		0.02	18.3	15.4	38.5	6	2.5	55700	268.5	ADO15941
WM2	90	92	SA42020		0.02	8.5	14.8	30.6	5	11	36500	155.7	ADO15941
WM2	92	94	SA42021		0.005	8.2	16	31.6	5	14	41300	158.7	ADO15941
WM2	94	96	SA42022		0.02	13.6	13.3	24.5	8	25	35300	193.6	ADO15941
WM2	96	98	SA42023		0.005	11.7	15.3	21.6	5	2.5	31100	129.8	ADO15941
WM2	98	100	SA42024		0.02	41.3	15.1	19.8	16	2.5	32900	123.8	ADO15941
WM2	100	102	SA42025		0.02	51.3	13.8	22.6	8	2.5	36500	138.7	ADO15941
WM2	102	104	SA42026		0.005	71.1	12.4	21.7	7	2.5	32900	129.8	ADO15941
WM2	104	106	SA42027		0.005	24.3	11.9	23.7	6	37	35300	113.8	ADO15941
WM2	106	108	SA42028		0.02	53.6	10.8	24.9	6	2.5	43100	155.7	ADO15941
WM2	108	110	SA42029		0.02	19.2	8.7	26.9	7	2.5	29900	126.8	ADO15941
WM2	110	112	SA42030		0.005	40.3	10.4	19.2	6	2.5	34700	126.8	ADO15941
WM2	112	114	SA42031		0.005	42.1	8.8	22.4	8	2.5	37100	141.7	ADO15941
WM2	114	116	SA42032		0.005	23.3	6.6	18	7	7	32300	119.8	ADO15941

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM2	116	118	SA42033		0.02	23.1	9.4	19.6	9	2.5	35900	164.7	ADO15941
WM2	118	120	SA42034		0.02	22.5	6.8	19.4	11	2.5	32300	166.7	ADO15941
WM2	120	121	SA42035		0.02	23.8	6.3	20.4	15	2.5	34700	158.7	ADO15941
WM3	0	2	SA42036		0.005	15	8.2	25.5	5	2.5	28200	249.6	ADO15941
WM3	2	4	SA42037		0.02	13.6	15.3	23.6	18	2.5	114000	409.3	ADO15941
WM3	4	6	SA42038		0.02	7.3	7.8	20.5	8	2.5	37700	183.7	ADO15941
WM3	6	8	SA42039		0.02	3.5	8	13.9	9	2.5	57500	184.7	ADO15941
WM3	8	10	SA42040		0.02	3.7	5.9	2.2	4	2.5	24000	137.8	ADO15941
WM3	10	12	SA42041		0.005	3.2	3.2	1.6	3	2.5	8984	41.9	ADO15941
WM3	12	14	SA42042	0.005	0.02	4.9	2.9	2.2	4	2.5	4792	15	ADO15941
WM3	14	16	SA42043		0.005	6.7	3.4	2.3	5	2.5	5391	21	ADO15941
WM3	16	18	SA42044		0.005	6.7	5.4	1.8	5	2.5	6588	21	ADO15941
WM3	18	20	SA42045		0.005	8.5	6.1	2.1	5	2.5	7786	25	ADO15941
WM3	20	22	SA42046		0.005	10.1	4	2.1	8	2.5	12000	24	ADO15941
WM3	22	24	SA42047	0.005	0.005	8.1	2.9	1.2	8	2.5	18600	32.9	ADO15941
WM3	24	26	SA42048		0.005	8.3	2	1.5	8	2.5	31100	38.9	ADO15941
WM3	26	28	SA42049		0.005	11	1.9	2.2	6	2.5	28700	28.9	ADO15941
WM3	28	30	SA42050		0.005	26.8	1.8	2.3	7	2.5	30500	25	ADO15941
WM3	30	32	SA42051		0.005	11	1.7	2.2	7	2.5	27600	18	ADO15941
WM3	32	34	SA42052		0.005	8.1	1.1	2.3	6	2.5	26400	29	ADO15941
WM3	34	36	SA42053		0.005	13.6	1	3.2	5	2.5	38900	31.9	ADO15941
WM3	36	38	SA42054		0.02	27.2	2.2	10	9	2.5	52100	38.9	ADO15941
WM3	38	40	SA42055		0.005	16.9	1.3	23.3	7	2.5	38300	70.9	ADO15941
WM3	40	42	SA42056		0.005	11.6	1.6	11	5	2.5	31700	28	ADO15941
WM3	42	44	SA42057		0.005	19.4	1.1	9.4	6	2.5	32900	29.9	ADO15941
WM3	44	46	SA42058		0.02	18.9	3.6	15	6	2.5	30000	37	ADO15941
WM3	46	48	SA42059		0.02	19	2.2	14.8	6	2.5	31600	57.7	ADO15941
WM3	48	50	SA42060		0.02	24.7	2.6	14.2	6	2.5	33200	57.4	ADO15941
WM3	50	52	SA42061		0.02	15.1	1.4	12.4	6	2.5	31800	57.1	ADO15941
WM3	52	54	SA42062		0.005	12.9	1.1	12.7	15	2.5	34700	50.9	ADO15941
WM3	54	56	SA42063		0.02	8.2	0.3	14.6	20	2.5	36200	55.4	ADO15941
WM3	56	58	SA42064		0.005	9.6	1	14.3	8	2.5	33500	62.8	ADO15941
WM3	58	60	SA42065		0.005	24.1	1.6	20	6	2.5	33300	81.7	ADO15941

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HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM3	60	62	SA42066		0.005	31.7	1.1	22.4	6	2.5	33000	99.8	ADO15941
WM3	62	64	SA42067		0.005	34.4	1.4	19.1	9	2.5	24400	95.1	ADO15941
WM3	64	66	SA42068		0.005	15.7	1.5	19.8	7	2.5	23500	91.9	ADO15941
WM3	66	68	SA42069		0.005	10	1.1	12.3	7	2.5	25300	71.1	ADO15941
WM3	68	70	SA42070		0.005	8.5	1.1	13.8	6	2.5	24300	54.6	ADO15941
WM3	70	72	SA42071		0.005	9.3	1	13.4	6	2.5	29400	68	ADO15941
WM3	72	74	SA42072		0.005	22.6	1.1	16.2	6	2.5	28000	69.9	ADO15941
WM3	74	76	SA42073		0.005	11.3	0.9	17.6	7	2.5	33800	86.1	ADO15941
WM3	76	78	SA42074		0.005	7.7	1	18.1	5	2.5	36800	86.7	ADO15941
WM3	78	80	SA42075		0.005	7.3	1.3	16.8	7	2.5	36300	95.7	ADO15941
WM3	80	82	SA42076		0.005	6	1	15.7	7	2.5	39500	97.8	ADO15941
WM3	82	84	SA42077		0.005	5.9	1	11.9	6	2.5	32200	80	ADO15941
WM3	84	86	SA42078		0.005	9.1	1.1	14.7	7	2.5	33200	89.3	ADO15941
WM3	86	88	SA42079		0.02	8.5	2.4	13.5	10	2.5	34400	154.6	ADO15941
WM3	88	90	SA42080		0.005	5.6	2.3	13.3	5	2.5	35200	110.3	ADO15941
WM3	90	92	SA42081		0.02	6.4	2.8	13.8	5	2.5	30200	128.2	ADO15941
WM3	92	94	SA42082		0.005	5.5	2.4	12.6	8	2.5	32900	98.7	ADO15941
WM3	94	96	SA42083		0.02	19.7	2.1	13.8	5	2.5	33900	133.6	ADO15941
WM3	96	98	SA42084		0.03	27.4	2.5	14.9	9	2.5	34300	116.3	ADO15941
WM3	98	100	SA42085		0.02	21.3	2.1	15.3	11	2.5	46600	98.7	ADO15941
WM3	100	102	SA42086		0.005	9.3	2.1	12.1	10	2.5	41900	94.9	ADO15941
WM3	102	104	SA42087	0.005	0.005	9.5	2.5	15.4	6	2.5	47700	106.3	ADO15941
WM3	104	106	SA42088		0.005	7.5	2.5	17.6	8	2.5	50300	139.5	ADO15941
WM3	106	108	SA42089		0.005	3.7	2.3	28.1	6	2.5	54500	152.2	ADO15941
WM3	108	110	SA42090		0.02	5.5	2.7	27.1	10	2.5	49500	87.5	ADO15941
WM3	110	112	SA42091		0.005	5.5	1.9	19.1	7	2.5	82600	61	ADO15941
WM3	112	114	SA42092		0.005	59.7	29	866.5	26	2.5	57900	887	ADO15941
WM3	114	116	SA42093		0.02	78.8	11.3	532.4	123	8	47100	943.6	ADO15941
WM3	116	118	SA42094		0.02	80.2	25.5	206.3	71	129	48600	1293	ADO15941
WM3	118	120	SA42095		0.02	79.8	23	1689	28	111	44400	2291	ADO15941
WM3	120	122	SA42096		0.02	65.3	13.8	1027	67	12	40300	1671	ADO15941
WM3	122	124	SA42097		0.02	71.9	16.3	487.8	143	11	61000	1144	ADO15941
WM3	124	126	SA42098		0.02	26.9	14.2	364.5	30	15	44300	311.1	ADO15941

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM3	126	128	SA42099		0.005	15.5	11.1	112.1	10	25	53000	323.6	ADO15941
WM3	128	130	SA42100		0.02	17.6	9.9	130.5	26	13	77700	508.2	ADO15941
WM3	130	132	SA42101		0.02	16.8	6	75.5	6	8	55600	487.4	ADO15941
WM3	132	134	SA42102		0.005	28.8	12.7	94	19	23	44900	502.4	ADO15941
WM3	134	136	SA42103		0.02	39.2	19.6	248.6	14	20	41900	452	ADO15941
WM3	136	138	SA42104	0.02	0.02	62.6	1995	2539	26	26	46700	554.6	ADO15941
WM3	138	140	SA42105		0.02	93.4	1582	4707	121	15	37000	418	ADO15941
WM3	140	142	SA42106		0.005	79.9	2588	2120	141	2.5	21500	283.7	ADO15941
WM3	142	144	SA42107		0.005	41.9	1598	3783	33	7	35100	436.8	ADO15941
WM3	144	146	SA42108		0.005	52.3	816	2613	11	16	33200	266.2	ADO15941
WM3	146	148	SA42109		0.005	44.7	467.1	2137	19	9	29200	260.4	ADO15941
WM3	148	150	SA42110		0.005	9.3	55.9	302.3	11	6	24400	275.5	ADO15941
WM4	0	2	SA42111		0.005	19.8	7.9	50.9	1	2.5	32300	372.6	ADO16002
WM4	2	4	SA42112		0.02	25.7	47.2	27.2	15	14	113000	206.6	ADO16002
WM4	4	6	SA42113	0.01	0.03	14.1	96.4	10.4	6	13	46100	320.4	ADO16002
WM4	6	8	SA42114		0.005	5.3	26.2	6.6	0.5	2.5	1943	102.9	ADO16002
WM4	8	10	SA42115		0.005	5.3	41.4	6	0.5	2.5	6396	82	ADO16002
WM4	10	12	SA42116	0.005	0.02	4	17.5	0.25	0.5	2.5	2150	54.9	ADO16002
WM4	12	14	SA42117		0.02	9.4	8.7	0.8	0.5	2.5	2157	89.3	ADO16002
WM4	14	16	SA42118		0.005	2.8	3.4	1.8	0.5	2.5	915	16.1	ADO16002
WM4	16	18	SA42119	0.02	0.04	2.6	9.6	3	0.5	2.5	1000	16.4	ADO16002
WM4	18	20	SA42120		0.02	8.3	29.1	12.4	1	2.5	4000	98	ADO16002
WM4	20	22	SA42121		0.02	5.7	15.3	9.4	3	2.5	3145	32.5	ADO16002
WM4	22	24	SA42122		0.005	15.3	10.2	31.1	4	2.5	24500	43.5	ADO16002
WM4	24	26	SA42123		0.005	25	34.9	50.8	6	2.5	43100	75.7	ADO16002
WM4	26	28	SA42124		0.02	26.2	28.7	60.7	9	2.5	41200	58.9	ADO16002
WM4	28	30	SA42125		0.005	50.3	87.8	107.7	16	2.5	51200	86.3	ADO16002
WM4	30	32	SA42126		0.02	51.1	43	122.7	15	2.5	50100	57.8	ADO16002
WM4	32	34	SA42127		0.02	48.1	95.2	85.9	11	2.5	54200	92.2	ADO16002
WM4	34	36	SA42128		0.02	52.3	63.8	92.9	13	2.5	56400	69.5	ADO16002
WM4	36	38	SA42129		0.02	51.7	35.6	96.3	11	2.5	45700	70.3	ADO16002
WM4	38	40	SA42130		0.005	80.1	46.9	174.5	16	5	74900	108.8	ADO16002
WM4	40	42	SA42131		0.02	48.5	80.5	122.3	12	2.5	49400	90.8	ADO16002

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM4	42	44	SA42132		0.02	67.3	163.7	112.8	15	11	48200	104.7	ADO16002
WM4	44	46	SA42133		0.005	82.7	179.4	109.6	11	2.5	56800	110.6	ADO16002
WM4	46	48	SA42134		0.02	48.2	119.6	105.7	9	2.5	35200	106.9	ADO16002
WM4	48	50	SA42135		0.03	81.4	118.1	237.9	8	9	54900	107.9	ADO16002
WM4	50	52	SA42136		0.02	101.8	101.8	296.9	7	6	42400	140.1	ADO16002
WM4	52	54	SA42137		0.005	184.5	56.3	485.4	14	20	68900	174.7	ADO16002
WM4	54	56	SA42138		0.02	96.7	114	600.3	14	2.5	44800	270.1	ADO16002
WM4	56	58	SA42139		0.03	190.3	60.9	799.4	15	19	67600	191.2	ADO16002
WM4	58	60	SA42140	0.02	0.03	175.9	18.6	801.3	10	15	93800	68.1	ADO16002
WM4	60	62	SA42141		0.03	31.1	83.3	129.4	1	2.5	37100	149.4	ADO16002
WM4	62	64	SA42142		0.02	28.9	25.8	100.3	4	2.5	25800	161	ADO16002
WM4	64	66	SA42143		0.02	48.2	25.6	226.5	4	2.5	42300	200	ADO16002
WM4	66	68	SA42144	0.02	0.03	80.7	68.3	507	10	12	71400	414.5	ADO16002
WM4	68	70	SA42145		0.03	57.5	67.5	282.9	5	6	66600	323.9	ADO16002
WM4	70	72	SA42146		0.005	48.9	134.1	426.3	22	2.5	49900	369.2	ADO16002
WM4	72	74	SA42147		0.02	48.4	63.2	442.3	8	2.5	51600	281.5	ADO16002
WM4	74	76	SA42148		0.02	43.5	47.2	277.5	8	2.5	42500	257.8	ADO16002
WM4	76	78	SA42149		0.02	58.8	56.8	548.5	11	2.5	57800	292.1	ADO16002
WM4	78	80	SA42150	0.02	0.02	77	67.4	905.2	9	7	70300	344.2	ADO16002
WM4	80	82	SA42151		0.005	36.4	61.1	278.6	4	2.5	47200	457.3	ADO16002
WM4	82	84	SA42152		0.02	32.9	38.3	273.9	3	2.5	27400	400.6	ADO16002
WM4	84	86	SA42153		0.005	35.8	92.7	579.1	28	6	27400	533.7	ADO16002
WM4	86	88	SA42154		0.005	30.6	472.3	4075	32	6	52800	909.4	ADO16002
WM4	88	90	SA42155		0.005	34.5	571	1674	25	15	62100	873.8	ADO16002
WM4	90	92	SA42156	0.05	0.03	48.8	986	2540	15	23	49800	942.9	ADO16002
WM4	92	94	SA42157		0.005	47.6	1259	6246	50	2.5	40600	628	ADO16002
WM4	94	96	SA42158		0.005	34.8	1071	3760	28	2.5	38500	814	ADO16002
WM4	96	98	SA42159	0.005	0.005	43.4	404.6	2566	99	2.5	39500	504.5	ADO16002
WM4	98	100	SA42160		0.005	48.4	1258	4944	28	2.5	62300	463.6	ADO16002
WM4	100	102	SA42161		0.02	33.1	757	3786	13	2.5	46400	360.9	ADO16002
WM4	102	104	SA42162		0.005	32.3	70.6	504.2	10	2.5	54500	442.4	ADO16002
WM4	105	106	SA42602		0.02	5	37.1	215.3	14	7	3.2	472.1	AD016074
WM4	106	107	SA42603		0.005	4.2	16	218.8	5	11	3.1	535.1	AD016074

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HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM4	107	108	SA42604	0.02	0.02	32.3	23.5	202.1	4	13	2.9	461.2	AD016074
WM4	108	109	SA42605		0.02	21.8	14.5	93.8	1	13	2.1	343.4	AD016074
WM4	109	110	SA42606		0.02	46.1	56.7	43.3	2	2.5	1.4	143.4	AD016074
WM4	110	111	SA42607		0.02	46.2	33.9	41.8	2	12	1.8	193.6	AD016074
WM4	111	112	SA42608		0.02	24	7.6	10.7	0.5	2.5	7888	93.7	AD016074
WM4	112	113	SA42609		0.02	41.9	13.1	57.6	5	31	2.1	238.2	AD016074
WM4	113	114	SA42610		0.02	33.5	5.4	72.9	0.5	20	2.8	314.6	AD016074
WM4	114	115	SA42611		0.02	36.3	10.2	48.1	3	7	2.5	191.7	AD016074
WM4	115	116	SA42612		0.02	38.2	1.2	53.2	3	2.5	2.3	193.2	AD016074
WM4	116	117	SA42613		0.02	46.4	2.4	96	5	6	2.8	330.7	AD016074
WM4	117	118	SA42614		0.02	43.9	6.1	57	4	2.5	2.1	229.3	AD016074
WM4	118	119	SA42615		0.02	40.5	8.2	80.3	3	6	2.3	255	AD016074
WM4	119	120	SA42616		0.02	36.7	6.2	85.8	4	6	2.4	265.7	AD016074
WM4	120	121	SA42617		0.02	25.3	36	40.1	3	2.5	1.1	126	AD016074
WM4	121	122	SA42618		0.02	32.9	21.1	68.8	3	2.5	2	230.3	AD016074
WM4	122	123	SA42619		0.02	5.6	63.7	52.7	3	2.5	3764	153.4	AD016074
WM4	123	124	SA42620		0.02	16.2	58.7	89.7	5	7	1.9	282.1	AD016074
WM4	124	125	SA42621		0.02	39.1	11.2	75.7	2	6	2.5	217.6	AD016074
WM4	125	126	SA42622		0.02	18.8	12.4	71.5	3	2.5	1.6	233.7	AD016074
WM4	126	127	SA42623		0.005	32.3	8.5	99.4	3	10	2.8	295.9	AD016074
WM4	127	128	SA42624		0.005	29.4	15.3	66.7	2	13	1.9	213.9	AD016074
WM4	128	129	SA42625		0.02	10.2	37.7	12	4	87	1854	53.8	AD016074
WM4	129	130	SA42626		0.02	38	36.1	43.4	4	2.5	1.4	142.9	AD016074
WM4	130	131	SA42627		0.02	55	17.5	138.2	8	10	2.6	275.9	AD016074
WM4	131	132	SA42628		0.02	54.8	1149	8032	9	7	1.9	249.8	AD016074
WM4	132	133	SA42629		0.02	56.9	1349	8097	10	7	2.2	318.5	AD016074
WM4	133	134	SA42630		0.02	73.7	953	2477	9	12	2.2	240.9	AD016074
WM4	134	135	SA42631		0.02	57.7	2836	17000	101	30	1.7	203.1	AD016074
WM4	135	136	SA42632		0.02	80.3	352.2	1963	8	26	2.7	259.6	AD016074
WM4	136	137	SA42633		0.02	75.2	342.6	2375	98	6	2.6	278.4	AD016074
WM4	137	138	SA42634		0.005	39.6	1004	5847	52	17	2.2	317.5	AD016074
WM4	138	139	SA42635		0.02	39.3	1276	10000	26	15	2.7	362.8	AD016074
WM4	139	140	SA42636		0.01	43.6	942	2669	6	41	3.1	376.5	AD016074

1996 WOMPINIE DRILLING ASSAYS .

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM4	140	141	SA42637		0.02	17.3	42	82.6	5	28	1.5	288.8	AD016074
WM4	141	142	SA42638		0.02	35.1	991	3190	3	24	2	274.8	AD016074
WM4	142	143	SA42639		0.02	39.4	1101	6583	0.5	10	2.6	362.5	AD016074
WM4	143	144	SA42640		0.02	44.8	886	2468	5	11	2.6	317.7	AD016074
WM4	144	145	SA42641		0.02	40.7	294.1	1589	0.5	17	2.5	308.7	AD016074
WM4	145	146	SA42642		0.02	72.9	603	3031	4	21	2.7	352.9	AD016074
WM4	146	147	SA42643		0.01	35.1	751	5334	7	20	2.1	355.6	AD016074
WM4	147	148	SA42644		0.02	17.9	2085	9018	64	22	1.4	240	AD016074
WM4	148	149	SA42645		0.02	28.5	4353	14000	61	30	1.7	289.2	AD016074
WM4	149	150	SA42646	0.02	0.02	26.9	699	2529	81	14	2.1	301.7	AD016074
WM4	150	151	SA42647		0.005	35.6	65.2	134.2	5	10	3.6	400.3	AD016074
WM4	151	152	SA42648		0.02	27.6	39.2	97.2	3	8	2.7	278	AD016074
WM4	152	153	SA42649		0.02	26.7	19.9	237.2	10	10	3	349.8	AD016074
WM4	153	154	SA42650		0.02	25.5	17.6	87.5	12	9	2.5	317.4	AD016074
WM4	154	155	SA42651		0.02	33.6	42.2	71.8	5	9	2.9	274.3	AD016074
WM4	155	156	SA42652		0.005	28.5	15.2	72.9	6	9	2.7	270.1	AD016074
WM4	156	157	SA42653		0.005	49.5	21.5	86.5	10	9	3.9	305	AD016074
WM4	157	158	SA42654		0.005	15	32.8	50.8	4	2.5	9048	95.5	AD016074
WM4	158	159	SA42655		0.005	17.4	16.4	59	4	8	2	237.7	AD016074
WM4	159	160	SA42656		0.005	24.3	17.5	79.1	4	14	2.5	294.9	AD016074
WM4	160	161	SA42657		0.005	14.1	49.9	45.1	3	6	1.4	171.6	AD016074
WM4	161	162	SA42658		0.005	33.8	23.2	72.2	11	7	2.8	303.6	AD016074
WM4	162	163	SA42659		0.02	42.9	28.2	97.8	4	9	2.5	317.7	AD016074
WM4	163	164	SA42660		0.03	35.4	1266	13000	17	32	2.6	357.5	AD016074
WM4	164	165	SA42661		0.02	27.3	2676	6890	9	32	2.2	295.2	AD016074
WM4	165	166	SA42662		0.005	41	463.1	3649	10	14	2.4	309.4	AD016074
WM4	166	167	SA42663		0.02	40.4	156.4	911.7	3	2.5	2.5	304.2	AD016074
WM4	167	168	SA42664		0.005	33.5	191.3	541.3	3	2.5	2.5	258	AD016074
WM4	168	169	SA42665		0.005	32.8	83.9	530.6	2	6	2.9	317.4	AD016074
WM4	169	170	SA42666		0.02	35.9	44	285.7	4	7	2.7	238.2	AD016074
WM4	170	171	SA42667		0.005	33.2	77.6	263	3	5	2.6	245.7	AD016074
WM4	171	172	SA42668		0.005	18.6	73.7	1174	4	12	1.6	195.3	AD016074
WM4	172	173	SA42669		0.005	16.8	160.4	1311	3	23	1.2	107.6	AD016074

1996 WOMPINIE DRILLING ASSAYS

HOLE	FROM	TO	SAMPLE	AUR	AU335	CU	PB	ZN	MO	AS	FE	MN	JOB
WM4	173	174	SA42670		0.005	18	103.1	717.3	3	14	1.4	175	AD016074
WM4	174	175	SA42671		0.005	40.4	52.5	240.5	5	12	3.3	248.9	AD016074
WM4	175	176	SA42672		0.005	28.8	125.7	416.7	3	17	2.5	267.9	AD016074
WM4	176	177	SA42673		0.005	28.1	347	1648	17	46	2.2	312.3	AD016074
WM4	177	178	SA42674		0.02	18.1	108.7	2145	17	47	5985	65.8	AD016074
WM4	178	179	SA42675		0.005	25.3	59.8	2333	10	38	2.2	242.3	AD016074
WM4	179	180	SA42676		0.02	28	139.3	304.1	5	8	2.5	260.7	AD016074
WM4	180	181	SA42677		0.03	23	25.5	297.6	8	74	2.1	284	AD016074
WM4	181	182	SA42678		0.01	31.5	71.5	94.5	3	8	2.2	252.8	AD016074
WM4	182	183	SA42679		0.02	26.8	1164	8048	5	139	2.1	277.5	AD016074
WM4	183	184	SA42680		0.02	37.9	213.8	8495	3	33	2.8	295.7	AD016074
WM4	184	185	SA42681		0.02	25.5	1204	5543	3	14	2.6	269.5	AD016074
WM4	185	186	SA42682		0.02	25.2	707	4717	3	12	2.9	281.7	AD016074
WM4	186	187	SA42683		0.005	14.4	1050	6229	4	47	2.5	304.8	AD016074
WM4	187	188	SA42684		0.02	33.3	203.7	1058	5	19	3.1	325	AD016074
WM4	188	189	SA42685		0.005	20.4	30.1	109.5	6	10	2.7	307.5	AD016074
WM4	189	190	SA42686		0.005	33.8	28	97.4	2	11	3.1	253.1	AD016074
WM4	190	191	SA42687		0.005	29.1	112.6	206.7	3	8	2.4	210.7	AD016074
WM4	191	192	SA42688		0.005	45.4	260.8	1486	4	16	2.8	252.1	AD016074
WM4	192	193	SA42689		0.02	49.1	708	3564	4	185	2.3	213.5	AD016074
WM4	193	194	SA42690		0.005	34.1	55.6	89.3	3	12	3.1	263.9	AD016074
WM4	194	195	SA42691		0.005	52.5	61.2	148.2	2	14	2.9	255.9	AD016074
WM4	195	196	SA42692	0.005	0.005	45.5	405.1	1957	2	14	2.8	281.8	AD016074
WM4	196	197	SA42693		0.005	93.7	384	2274	7	10	3.3	273.7	AD016074
WM4	197	197.57	SA42694	0.05	0.05	421.3	76.9	438.3	161	97	9.8	572.5	AD016074

Appendix 3

Petrological Reports

WM4 133 m PTS:

Summary: Moderately foliated psammopelitic schist, dominated by an assemblage of quartz, K-feldspar, biotite, muscovite and Na-plagioclase. It contains disseminations and elongate aggregates of sulphides and trace graphite. Pyrite and sphalerite are the most common sulphides, although most pyrite is retrograde after former pyrrhotite. There are also traces of chalcopyrite and galena, with sulphides being closely associated with possible retrograde carbonate.

Handspecimen: Drill core is composed of moderately foliated, fine to medium grained, grey quartz-feldspar-biotite-muscovite schist, probably psammopelitic in composition and containing a few foliation-parallel schlieren of medium to coarse grained quartz + muscovite + biotite up to 1 cm thick. Minor disseminations and streaks of sulphides are visible and appear to be dominated by pyrite, although there is a little sphalerite. The sample is essentially non-magnetic.

Thin Section:

a) Primary mineralogy and textures: In the section, the rock is dominated by a moderately foliated, fine to medium grained aggregate of quartz, K-feldspar, Na-plagioclase, biotite and a few muscovite porphyroblasts up to 1 mm long. Typical maximum grainsize of quartz and feldspars is about 0.5 mm. K-feldspar is more abundant than plagioclase and there are minor disseminations of sulphides, with traces of carbonate and graphite. There are a few layers composed dominantly of biotite and muscovite up to 1.5 mm thick. In the mica-rich layers and in the more quartzofeldspathic rock, foliation is defined by preferred orientation of the micas. The sample contains local schlieren up to 1 cm wide which are parallel to the foliation and which are composed of porphyroblastic quartz (strained and partly recrystallised grains up to 2.5 mm across), porphyroblastic muscovite flakes (up to 1.5 mm across) and minor K-feldspar, Na-plagioclase, biotite, sulphides and carbonate. The coarser schlieren do not appear to be the product of partial melting; instead they could represent somewhat more psammitic layers in which grain growth has been promoted by increased fluid activity.

b) Alteration and structure: Retrograde alteration is pervasively manifest in the sample, but is rather weak. Most feldspar has been slightly to strongly replaced by fine grained muscovite ± biotite. Small patches of carbonate are commonly associated with sulphide grains and aggregates. From textural evidence, pyrrhotite was originally the most abundant sulphide phase, but it has been almost totally replaced by pyrite.

c) Mineragraphy and paragenesis: The sample contains about 3-4 volume % of irregularly disseminated and streaky patches of sulphides. Pyrite is the most abundant, but as mentioned above, has probably replaced former pyrrhotite, of which only a tiny trace now remains. Pyrite occurs as disseminations and elongate aggregates (up to 4 mm in length), commonly intergrown with carbonate and in places with dark orange sphalerite (moderately Fe-rich) and traces of chalcopyrite and galena. Sphalerite, chalcopyrite and galena are also sparsely disseminated, with largest sphalerite grains being up to 1 mm across. Except for pyrite, the other sulphides appear to be in equilibrium with the metamorphic silicates.

Mineral Mode: Approximate modal proportions are: quartz 50%, K-feldspar 20%, biotite and muscovite each 10%, Na-plagioclase 5%, pyrite 2%, carbonate and sphalerite each 1% and traces of pyrrhotite, chalcopyrite, galena and graphite.

Interpretation and Comments: The sample is a moderately foliated psammopelitic schist, with some preservation of possible primary compositional layering (i.e. into more pelitic and psammitic material). More psammitic layers have strongly recrystallised into foliation-parallel schlieren. Disseminated sulphides and trace graphite were probably part of the original rock, prior to high grade metamorphism (i.e. syngenetic or diagenetic sulphides and carbonaceous material). They have been recrystallised and may be in equilibrium with the dominant assemblage of quartz, feldspars, biotite and muscovite.

Pyrrhotite and sphalerite were the most abundant sulphides, with traces of chalcopyrite and galena. However, most pyrrhotite has been retrogressively altered to pyrite, perhaps attending introduction of minor carbonate. The sample may be representative of the Bimba Suite or the lower part of the Pelite Suite.

WM4 184 m PTS:

Summary: Moderately foliated psammopelitic schist, with some preservation of primary compositional layering. Rock is dominated by an assemblage of quartz, feldspars, muscovite and biotite, with heterogeneously distributed sulphides, mostly pyrrhotite, but with traces of pyrite, chalcopyrite, sphalerite and galena. Sulphides are largely associated with coarser domains rich in quartz, feldspars and muscovite and may have been metamorphosed along with the silicates.

Handspecimen: Drill core is composed of moderately foliated, fine to medium grained, grey psammopelitic schist, dominated by fine to medium grained quartz, feldspars, biotite and muscovite, with irregular disseminations and aggregates of pyrrhotite. There may also be traces of fine grained sphalerite and galena. In places, the sample contains somewhat coarser quartzofeldspathic schlieren. Due to the presence of pyrrhotite, parts of the sample are moderately magnetic.

Thin Section:

a) Primary mineralogy and textures: In the section, the rock is clearly a psammopelitic schist but with considerable textural variation. It ranges from more pelitic (i.e. more mica-rich) to more psammitic (more quartzofeldspathic) in composition with domains of more mica-rich and more quartzofeldspathic material being up to several millimetres across. These compositional domains probably represent primary sedimentary layering, although grossly modified by subsequent metamorphism and deformation. A moderate foliation is defined by preferred orientation of mica flakes and quartzofeldspathic segregations and appears to be partly transgressive to the compositional layering. The rock is dominated by fine to medium grained quartz, Na-plagioclase, K-feldspar, muscovite and biotite, but with patchy coarser grained porphyroblastic quartz, muscovite and feldspars, especially intergrown with sulphide aggregates. these coarser patches have grainsizes up to 2-3 mm across. In addition to the major silicate minerals, the rock contains traces of graphite, mainly in the more micaceous domains, plus rare grains of rutile, zircon and apatite. Sulphide disseminations and aggregates are common and are intergrown, apparently in equilibrium, with the silicates.

b) Alteration and structure: The sample shows rather minor alteration effects, mainly indicated by patchy moderate to strong replacement of feldspars by fine grained muscovite, and rare biotite and chlorite. Sulphide aggregates are locally associated with traces of chlorite, but generally do not have a strong link with retrograde effects.

c) Mineragraphy and paragenesis: The sample contains about 5 volume % of heterogeneously distributed sulphides, with pyrrhotite being dominant. It is mostly concentrated into the quartzofeldspathic domains, where it forms disseminations and aggregates up to several millimetres across, intergrown with silicates. Pyrrhotite locally forms composites with pyrite, chalcopyrite, sphalerite and galena, with these other sulphides also being very sparsely disseminated. Textural relations are equivocal as to whether pyrite may have replaced pyrrhotite.

Mineral Mode: Approximate modal proportions are: quartz 30%, K-feldspar and Na-plagioclase each 20%, muscovite 15%, biotite 9%, pyrrhotite 5% and traces of graphite, pyrite, chalcopyrite, sphalerite, galena, rutile, zircon and apatite.

Interpretation and Comments: The sample is a moderately foliated psammopelitic schist, with some preservation of possible primary compositional layering and local segregations of coarser quartz, muscovite and feldspars. Sulphides are irregularly distributed, mostly in coarser, more quartzofeldspathic domains and appear to have been recrystallised with the remainder of the silicates. The sulphides, dominated by pyrrhotite, but with traces of pyrite, chalcopyrite, sphalerite and galena, appear to be in equilibrium with quartz, feldspars and micas. They therefore could represent metamorphosed and deformed early mineralisation, i.e. syngenetic or diagnetic sulphides. The sample may be representative of the Bimba Suite or the lower part of the Pelite Suite.

M.I.M. EXPLORATION PTY LTD

(ACN 009 681 118)

TECHNICAL REPORT

No. 2750

TITLE:	**EL 2127 "WOMPINIE"** **SOUTH AUSTRALIA** **Annual report for the period ending 23rd November 1998**
ISSUING DEPARTMENT:	**EXPLORATION**
AUTHOR:	**J. M. JACKSON**
INVESTIGATIONS CONDUCTED BY:	**M. McGEOUGH**
SUBMITTED BY:	**M. McGEOUGH**
DATE:	**FEBRUARY 1999**

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M. McGeough

District Geologist - South Australia

KEY WORDS

WILLYAMA SUPER GROUP

LANDFORM REGOLITH MAPPING

SOIL SAMPLING

GRAVITY

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51706	Soil Sample Locations - Au (ppb)	1:25 000

M.I.M. EXPLORATION PTY LTD

EL 2127 "WOMPINIE"

SOUTH AUSTRALIA

Annual Report for the period ending 23rd November 1998

SUMMARY

AIM

To explore and evaluate the potential for economic gold, copper and base metal mineralisation on Exploration Licence 2127 "Wompinie" (EL 2127).

OBJECT of REPORT

To document exploration activities and results achieved on EL 2127 for the year ending 23rd November 1998.

LOCATION

EL 2127 is located approximately 50 km north-east of the Olary township. The "Wompinie" tenement is located on the Olary and Curnamona 1:250,000 geological map sheets, produced by Primary Industries and Resources South Australia (PIRSA).

TENURE

EL 2127 covers an area of approximately 230 km^2. EL 2127 was granted to Aberfoyle Resources Ltd (Aberfoyle) and Normandy Minerals Ltd (Normandy) on 24th November 1995. The licence has been subsequently renewed and is due to expire on the 23rd November 1999.

M.I.M. Exploration Pty Ltd (MIMEX) farmed into the Drew Hill Joint Venture covering ELs 2127, 1938 and 2031 in May 1995 and is currently manager and operator of the project.

PRECIS

- Reconnaissance visits to the western part of the licence to assess the area for soil sampling and to follow up TM anomalies
- Landform Regolith mapping involving field verification of regolith units by systematic ground truthing of TM, magnetic and to a lesser degree radiometrics (1:25,000 scale)
- 69 BLEG soils were taken over the Catch Dam area
- Two gravity traverses were completed over the Catch Dam prospect area

CONCLUSIONS and RECOMMENDATIONS

Regolith mapping revealed that EL 2127 is dominated by distal valley plain colluvium, with minor erosional terrain. Future work should involve aircore drill testing of geophysical targets in the covered regions. Over the erosional area around the Catch Dam area, an infill/extension soil sampling is to be completed as appropriate.

M.I.M. EXPLORATION PTY LTD

EL 2127 "WOMPINIE"

SOUTH AUSTRALIA

Annual Report for the period ending

23rd November 1998

1. INTRODUCTION

Exploration Licence 2127 "Wompinie" (EL 2127) covers approximately 230 km^2. It was originally granted on 24th November 1995 to Aberfoyle Resources Ltd (Aberfoyle) and Normandy Minerals Ltd (Normandy). EL 2127 is due to expire on the 24th November 1999. M.I.M. Exploration Pty Ltd (MIMEX) farmed into the area in May 1995 and is currently manager and operator of the Drew Hill Joint Venture project covering ELs 2127, 1938 and 2031.

EL 2127 is located approximately 50 km north-east of the Olary township and lies on the Olary (SI54-2) and Curnamona (SH54-14) 1:250,000 geological map sheets. Access to and within the licence is via an unsealed road and various station tracks leading from the Barrier Highway.

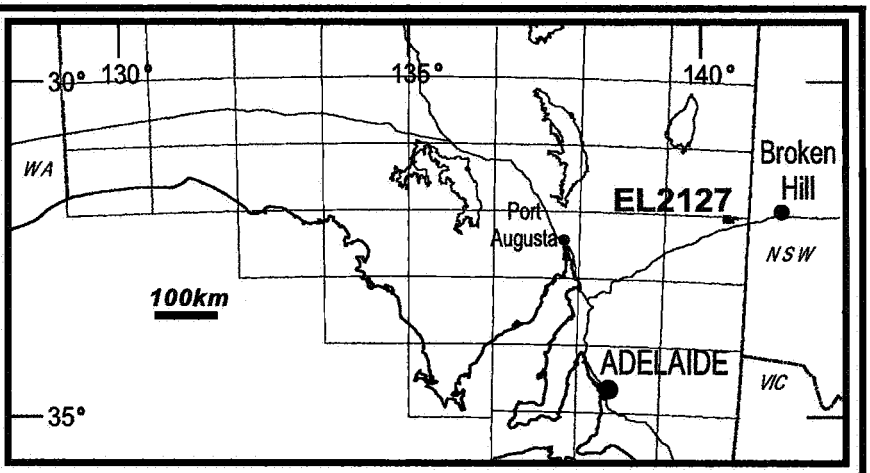
EL 2127 is located on the Olary Block, South Australia. The licence is underlain by Early Proterozoic metasediments of the Willyama Supergroup that are intruded by Mesoproterozoic granitoid rocks. The tenement is covered by Quaternary alluvium and fan deposits.

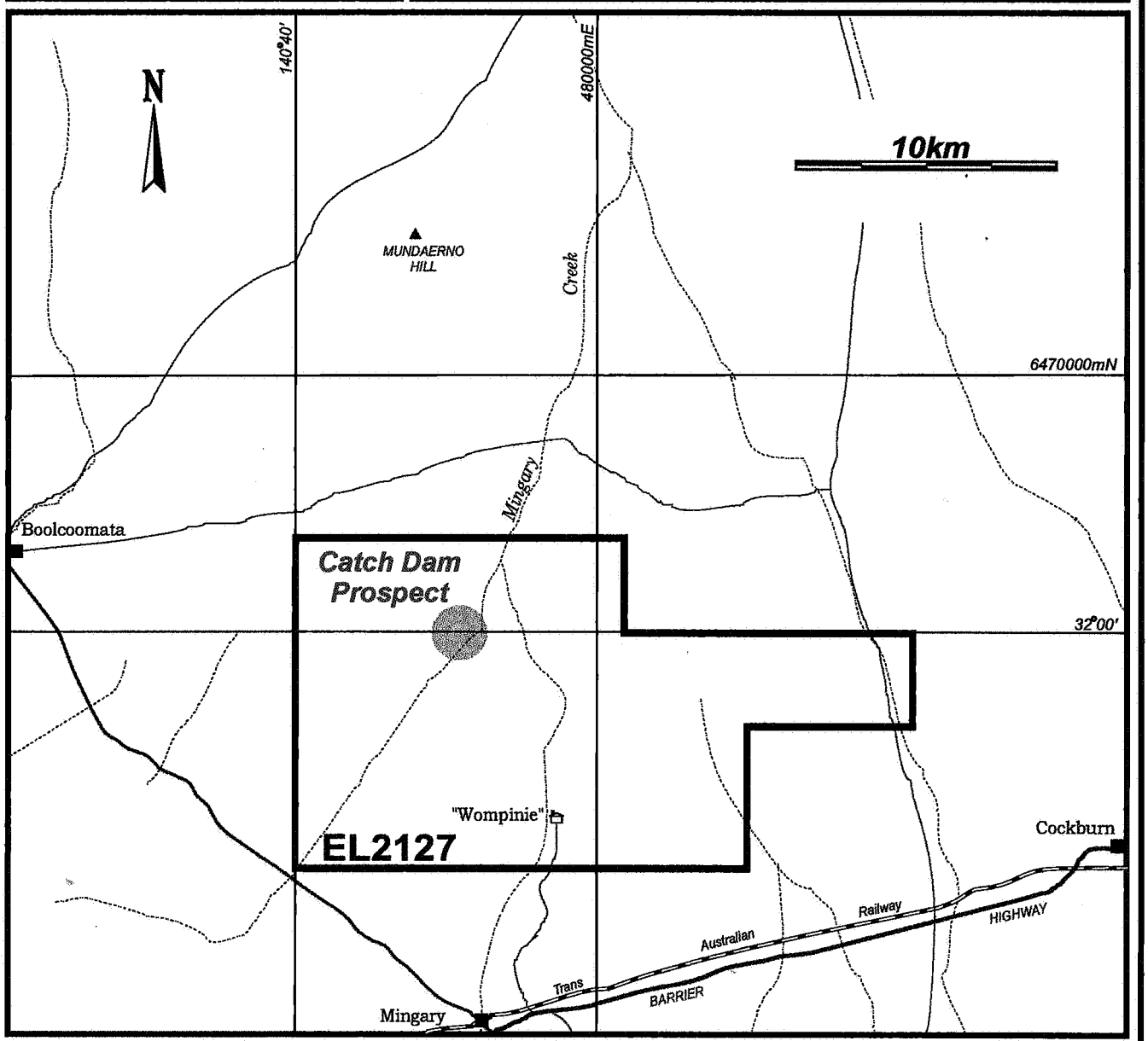
2. LOCATION and ACCESS

EL 2127 is located approximately 50 km north-east of the Olary township (*Drawing No. 51103*). The boundaries of this tenement fall within the longitudes 140°40'E and 140°55'E and the latitudes 31°58'S and 32°05'S.

EL 2127 is located on the Olary (SI 54-2) and Curnamona (SH 54-14) 1:250,000 geological map sheets, produced by Primary Industries and Resources South Australia (PIRSA).

Access to and within the licence is via an unsealed road and various station tracks leading from the Barrier Highway.





MIM EXPLORATION

M.I.M. EXPLORATION PTY LTD

A.C.N. 009 681 118

PROJECT / TITLE :

EL2127 WOMPINIE LOCATION PLAN

Mining District or Region: OLARY			Compiled by : JJ	Scale : 1:250,000
Revised by :	Date :	1 : 250 000 Ref : SI54-2	Drawn by : remc	Date : 13jan99
		1 : 100 000 Ref : 7033	Drwg No : 51103	

3. TENURE

EL 2127 covers an area of approximately 230 km^2. EL 2127 was granted for one year to Aberfoyle and Normandy on 24th November 1995. The licence has since been renewed on two occasions, for one and two years respectively, and is due to expire on the 23rd November 1999.

MIMEX farmed into the Drew Hill Joint Venture in May 1995 and is currently manager and operator of the project. The Joint Venture covers the ELs 2127, 1938 and 2031. As part of this agreement MIMEX was required to spend $200,000 on the Drew Hill project area during the initial earn in period with an option to expend a further $550,000 over a four year period to earn 60%. MIMEX has met these requirements.

4. GEOLOGY

EL 2127 is located on the Olary Block, South Australia. The licence is underlain by Early Proterozoic metasediments of the Willyama Supergroup that are intruded by Mesoproterozoic granitoid rocks. Outcrop is very limited with most of the licence covered by Quaternary alluvium and fan deposits. Airborne magnetic data (consisting of MESA and open file datasets) clearly maps several structures within the tenement area which reflect both stratigraphy or major faults.

Detailed geology is given in the Olary and Curnamona 1:250 000 geological notes.

5. PREVIOUS EXPLORATION

5.1 Aberfoyle

This licence was part of the Aberfoyle magnetic survey flown in 1990. Reconnaissance rock chip sampling in the Catch Dam area reported anomalous mercury and weak copper anomalies from ferruginous outcrops. Three traverses of widely spaced RAB holes in April 1993 provided a broad geochemical and lithological coverage. Two holes W56 and W57 reported anomalous Pb, Zn and Au about 2 km north of Catch Dam.

5.2 MIMEX

MIMEX completed four traverses of coincident ground magnetics, 100m dipole-dipole IP and 200m moving loop EM, over airborne magnetic anomalies (note: three of the four traverses transgress the tenement boundary). An additional three lines of 100m dipole-dipole IP were also completed over holes W56 and W57 (old Aberfoyle drill holes).

A line of soil sampling at 100m intervals was carried out due to the thin soil cover over the Catch Dam prospect.

Four Reverse Circulation (RC) holes were drilled to test IP anomalies delineated previously by MIMEX.

6. EXPLORATION conducted by MIM EXPLORATION during the period ending 23rd November 1998

A couple of reconnaissance visits were made to the western part of the licence to assess the area for soil sampling and to follow up TM anomalies.

Mark Derriman from Normandy (Drew Hill JV partner) spent one man day mapping regolith on EL 2127. His work involved field verification of regolith units by systematic ground truthing of TM, magnetics and to a lesser degree, radiometrics. Regolith units were mapped on the basis of landforms and were divided into the three main categories: residual, erosional, and depositional. The resulting Landform Regolith Map was completed at 1:25,000 scale (*Drawing No. 51649*).

69 BLEG soils (2-3kg) were taken over the Catch Dam area by the O'Halloran Hill TAFE students as part of a practical component of their course (*Drawing No. 51706*). The soil samples (SA97170-97194, SA97220-97245, SA97247-97249, SA97320-97334) were sent to Amdel in Adelaide and assayed for Au, Cu and Ag by the BLEG 2 method (*Appendix 1*). Rehabilitation was carried out on completion of the sample collection.

In addition to the soil sampling, gravity data was acquired along the same two orthogonal lines as the sampling traverses (*Drawing No. 51706*) The survey specifications are provided below:

gravity meters	Sodon and the PIRSA Lacoste Rombrerg
levelling	Digital Barometers
station spacing	50 m

The gravity data was designed to detail a local gravity high seen in data acquired by PIRSA.

7. RESULTS and DISCUSSION

Regolith mapping across EL 2127 revealed that the tenement was dominated by depositional units, mainly distal valley plain colluvium, with minor erosional terrain in the Catch Dam area. Mapping found no residual regolith on the "Wompinie" tenement. The Landform Regolith Map will assist in planning future soil sampling programmes and in the reassessment of areas already covered by soil surveys.

No significant results were returned from the 69 BLEG soil samples collected.

Several errors were made in the acquisition of the gravity data making reduction of the data very difficult. Some of the errors included a lack of repeat readings required for instrument drift correction, no tie back to the regional isogal network and the observed readings seem to be incorrect for a yet undetermined reason.

The data has been submitted to the PIRSA geophysical group (Andrew Shearer) for verification and reduction, however at this point the data is still to be fixed. The raw data is included on disk in *Appendix 2*.

8. CONCLUSIONS and RECOMMENDATIONS

Regolith mapping revealed that EL 2127 is dominated by mainly distal valley plain colluvium, with only minor erosional terrain in the Catch Dam area. This, combined with the poor results returned from the recent small soil survey, indicate that soil sampling is not the best target generation medium for this tenement. Future work should involve aircore drill testing of geophysical targets.

Only one line of soils covers the Catch Dam prospect. The area should be reviewed and infill/extension soil sampling over the erosional area at Catch Dam prospect completed as appropriate.


Wompinie Station
Bindarrah Station
EL 2127
EL2127 Wompinie Tenement Boundary
EL2127
10km
465000 mE
470000 mE
475000 mE
480000 mE
485000 mE
490000 mE
6460000 mN
6455000 mN
6450000 mN
6445000 mN
477500 mE
482500 mE
6457500 mN
6452500 mN
SA97244
SA97243
SA97242
SA97240
SA97239
SA97238
SA97237
SA97236
SA97235
SA97234
SA97233
SA97232
SA97231
SA97230
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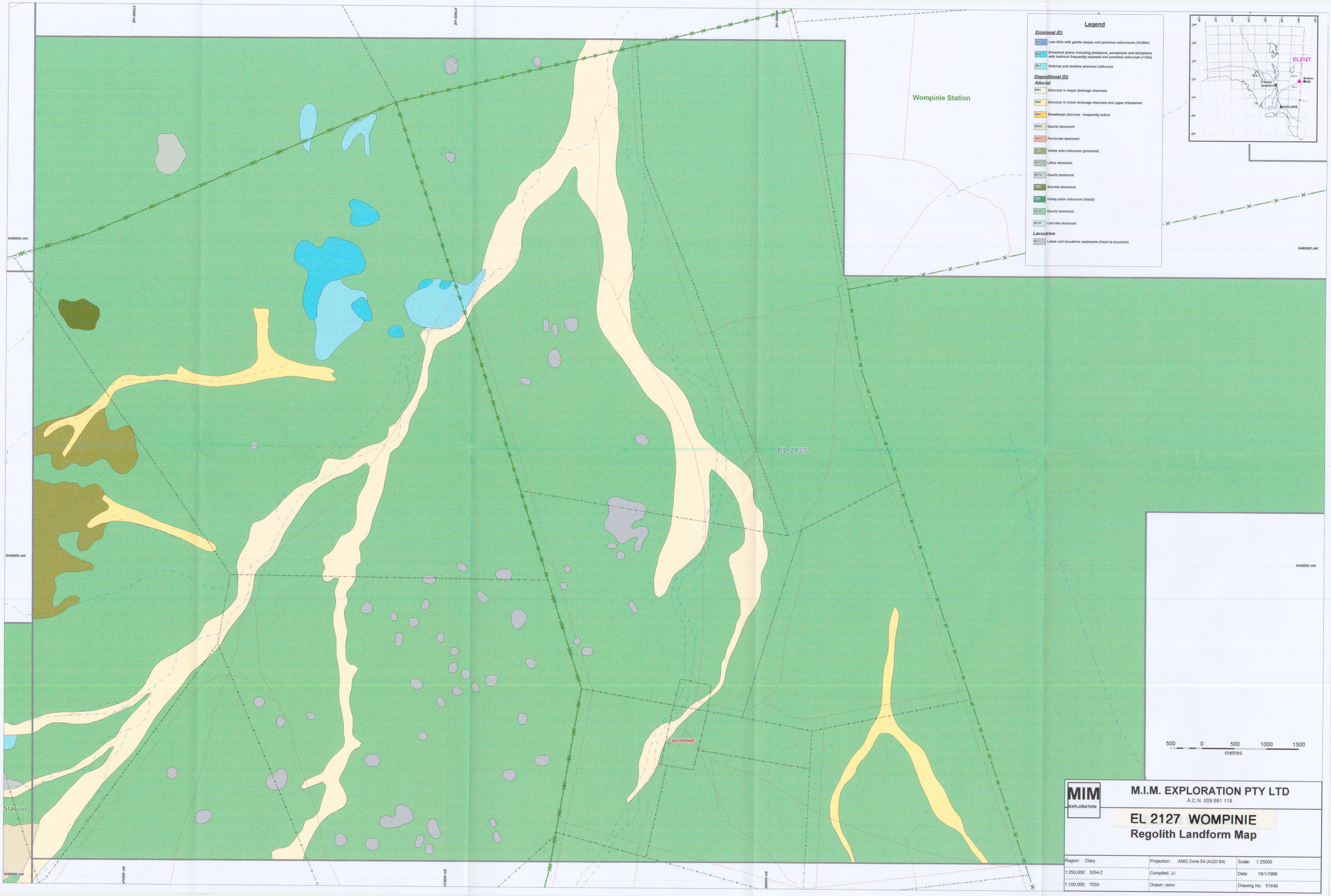
SA97193
SA97194
SA97185
SA97334
SA97333
SA97332
SA97331
SA97330
SA97325
SA97324
SA97323
SA97322
SA97321
SA97320
SA97329
SA97328
SA97327
SA97326
BLEG Soils by AuAve
in ppb
> 1 (15)
0.5 to 1 (33)
< 0.5 (15)
500 0 500 1000 1500
metres
MIM
EXPLORATION
M.I.M. EXPLORATION PTY LTD
A.C.N. 009 681 118
EL2127 WOMPINIE
BLEG Soil Sample Locations
Region: Olary
Projection: AMG Zone 54 (AGD 84)
Scale: 1:25000
1:250,000: SI54-2
Compiled: JJ
Date: 14/1/1999
1:100,000: 7033
Drawn: remc
Drawing No: 51706


Wompinie Station
EL 2127
WOMPINIE
Station
6460000 mN
6455000 mN
6450000 mN
470000 mE
475000 mE
480000 mE
Legend
Erosional (E)
EC3 Low Hills with gentle slopes and proximal colluvioum (10-90m)
EC4 Erosional plains including pediplans, peneplains and etchplains with bedrock frequently exposed and proximal colluvium (<10m)
EC1 Outcrop and shallow proximal colluvium
Depositional (D)
Alluvial
DA1 Alluvium in major drainage channels
DA2 Alluvium in minor drainage channels and upper tributaries
DA3 Sheetwash alluvium - frequently active
DA32 Quartz dominant
DA33 Ferricrete dominant
DC1 Valley side colluvium (proximal)
DC11 Lithic dominant
DC12 Quartz dominant
DC13 Silcrete dominant
DC2 Valley plain colluvium (distal)
DC22 Quartz dominant
DC23 Calcrete dominant
Lacustrine
DL1 Lakes and lacustrine sediments (fresh to brackish)
EL2127
PORT AUGUSTA
ADELAIDE
Broken Hill
500 0 500 1000 1500
metres
MIM EXPLORATION
M.I.M. EXPLORATION PTY LTD
A.C.N. 009 681 118
EL 2127 WOMPINIE
Regolith Landform Map
Region: Olary
Projection: AMG Zone 54 (AGD 84)
Scale: 1:25000
1:250,000: SI54-2
Compiled: JJ
Date: 18/1/1999
1:100,000: 7033
Drawn: remc
Drawing No: 51649

MOUNT ISA MINES LIMITED

EL 2127 "WOMPINIE"

STATEMENT OF EXPENDITURE FOR YEAR ENDED 23rd NOVEMBER 1998

LABOUR MEX	5,863	
SUPPLIES & SERVICE - OFFICE FIXED	2,037	
INFRASTRUCTURE	4,180	
PERSONNEL COSTS - FIXED	0	
PERSONNEL COSTS - VARIABLE	0	
MISC. GOVERNMENT CHARGES	1,000	
SUPPLIES & SERVICE - OFFICE VARIABLE	16	
SUPPLIES & SERVICE - FIELD	2,598	
TRAVEL & ACCOMMODATION	65	
DRILLING	0	
CONTRACT & CONSULTANT SERVICE	3,299	
GEOPHYSICS	0	
GEOCHEMICAL	1,333	
RESEARCH	0	
LABOUR - EXTERNAL	0	
JOINT VENTURE CONTRIBUTIONS	0	
LAND TENURE & ENVIRONMENT	1,581	
TOTAL DIRECT COST		21,972
ADD: TECHNICAL SUPPORT & ADMIN.		3,516
ADD: PREVIOUSLY REPORTED AMOUNT		104,007
TOTAL PROJECT EXPENDITURE TO DATE		**$ 129,495**

Appendix 1

Soil Geochemical Sampling

MIM EXPLORATION
SAMPLE LEDGER

Sample Number	AMGE	AMGN	Tenement	Prospect
SA97220	476300	6458350	2127	CATCH DAM
SA97221	476300	6458400	2127	CATCH DAM
SA97222	476300	6458450	2127	CATCH DAM
SA97223	476300	6458500	2127	CATCH DAM
SA97224	476300	6458550	2127	CATCH DAM
SA97225	476300	6458600	2127	CATCH DAM
SA97226	476300	6458650	2127	CATCH DAM
SA97227	476300	6458700	2127	CATCH DAM
SA97228	476300	6458750	2127	CATCH DAM
SA97229	476300	6458800	2127	CATCH DAM
SA97230	476300	6458850	2127	CATCH DAM
SA97231	476300	6458900	2127	CATCH DAM
SA97232	476300	6458950	2127	CATCH DAM
SA97233	476300	6459000	2127	CATCH DAM
SA97234	476300	6459050	2127	CATCH DAM
SA97235	476300	6459100	2127	CATCH DAM
SA97236	476300	6459150	2127	CATCH DAM
SA97237	476300	6459200	2127	CATCH DAM
SA97238	476300	6459250	2127	CATCH DAM
SA97239	476300	6459300	2127	CATCH DAM
SA97240	476300	6459350	2127	CATCH DAM
SA97241	STD - BLG7		2127	CATCH DAM
SA97242	476300	6459400	2127	CATCH DAM
SA97243	476300	6459450	2127	CATCH DAM
SA97244	476300	6459500	2127	CATCH DAM
SA97170	476300	6458300	2127	CATCH DAM
SA97171	476300	6458250	2127	CATCH DAM
SA97172	476300	6458200	2127	CATCH DAM
SA97173	476300	6458150	2127	CATCH DAM
SA97174	476300	6458100	2127	CATCH DAM
SA97175	476300	6458050	2127	CATCH DAM
SA97176	476300	6458000	2127	CATCH DAM
SA97177	476300	6457950	2127	CATCH DAM
SA97178	476300	6457900	2127	CATCH DAM
SA97179	476300	6457850	2127	CATCH DAM
SA97180	STD - BLG9		2127	CATCH DAM
SA97181	476300	6457800	2127	CATCH DAM
SA97182	476300	6457750	2127	CATCH DAM
SA97183	476300	6457700	2127	CATCH DAM
SA97184	476300	6457650	2127	CATCH DAM
SA97185	476300	6456600	2127	CATCH DAM
SA97186	476300	6457550	2127	CATCH DAM
SA97187	476300	6457500	2127	CATCH DAM
SA97188	476300	6457450	2127	CATCH DAM
SA97189	476300	6457400	2127	CATCH DAM
SA97190	476300	6457350	2127	CATCH DAM
SA97191	476300	6457300	2127	CATCH DAM
SA97192	476300	6457250	2127	CATCH DAM
SA97193	476300	6457200	2127	CATCH DAM
SA97194	476300	6457150	2127	CATCH DAM
SA97320	476250	6458300	2127	CATCH DAM
SA97321	476200	6458300	2127	CATCH DAM
SA97322	476150	6458300	2127	CATCH DAM
SA97323	476100	6458300	2127	CATCH DAM
SA97324	476050	6458300	2127	CATCH DAM

MIM EXPLORATION
SAMPLE LEDGER

SA97325	476000	6458300	2127	CATCH DAM
SA97326	479950	6458300	2127	CATCH DAM
SA97327	479900	6458300	2127	CATCH DAM
SA97328	479850	6458300	2127	CATCH DAM
SA97329	479800	6458300	2127	CATCH DAM
SA97330	475750	6458300	2127	CATCH DAM
SA97331	475700	6458300	2127	CATCH DAM
SA97332	475650	6458300	2127	CATCH DAM
SA97333	475600	6458300	2127	CATCH DAM
SA97334	475550	6458300	2127	CATCH DAM
SA97247	476300	6457800	2127	CATCH DAM
SA97248	476300	6458350	2127	CATCH DAM
SA97249	476300	6459350	2127	CATCH DAM

amdel

MINERAL CHEMISTRY

Amdel Laboratories Ltd
PO Box 338
Torrensville Plaza SA 5031
ACN 009 076 555

Telephone (08) 8416 5300
Facsimile (08) 8234 0321

Mr Glen Little
MIM Exploration Pty Ltd
13 Maple Ave
FORESTVILLE SA 5035

FINAL ANALYSIS REPORT

Your Order No: SA98GL35

Our Job Number : 8AD2307

Sample rec'd : 27/08/98

Results reported : 08/09/98

No. of samples : 69

Report comprises a cover sheet and pages 1 to 2

Approved Signature:

for
Alan Ciplys
Manager - Mineral Chemistry

Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

amdel

Job: 8AD2307
O/N: SA98GL35

nal

ANALYTICAL REPORT

SAMPLE	Au	Cu	Ag
SA97170	0.90	2500	14
SA97171	0.70	3900	19
SA97172	0.20	2000	14
SA97173	0.35	3100	15
SA97174	0.40	2800	20
SA97175	0.80	3600	23
SA97176	0.60	3200	9.5
SA97177	0.45	3400	19
SA97178	0.30	3300	21
SA97179	0.45	3400	15
SA97180	8.15	<100	<0.5
SA97181	0.50	4000	30
SA97182	1.80	4400	22
SA97183	1.10	3900	26
SA97184	0.55	3400	32
SA97185	1.25	3900	18
SA97186	0.40	3100	21
SA97187	0.50	2900	9.0
SA97188	0.25	3100	22
SA97189	0.60	3500	25
SA97190	<0.05	1400	11
SA97191	0.80	3800	29
SA97192	0.25	2700	17
SA97193	1.00	3300	33
SA97194	<0.05	800	28
SA97220	1.55	4100	16
SA97221	0.95	3400	19
SA97222	0.50	3200	24
SA97223	0.55	3500	30
SA97224	0.85	3900	26
SA97225	1.05	3900	22
SA97226	1.05	3700	18
SA97227	1.45	4000	11
SA97228	1.20	3600	21
SA97229	1.20	4000	21
SA97230	1.00	4500	35
SA97231	0.95	4300	39
SA97232	0.50	3900	52
SA97233	1.00	4100	148
SA97234	0.80	5000	85
SA97235	0.80	4200	43
SA97236	0.75	3300	66
SA97237	0.90	4200	38
SA97238	0.60	3000	27
SA97239	0.95	4000	68
SA97240	1.95	3500	22
SA97241	2.60	<100	<0.5
SA97242	1.05	3100	25
SA97243	0.60	3400	110
SA97244	0.45	3000	40
UNITS	ppb	ppb	ppb
DET.LIM	0.05	100	0.5
SCHEME	BLEG2	BLEG2	BLEG2

amdel

Job: 8AD2307
O/N: SA98GL35

nal

ANALYTICAL REPORT

SAMPLE	Au	Cu	Ag
SA97245	L.N.R.	L.N.R.	L.N.R.
SA97247	0.60	5200	38
SA97248	1.50	4300	18
SA97249	1.70	3700	21
SA97320	0.50	3800	20
SA97321	0.30	3300	16
SA97322	0.55	3000	23
SA97323	0.20	2900	13
SA97324	0.50	2800	28
SA97325	0.75	3200	19
SA97326	1.15	5300	20
SA97327	0.70	4100	29
SA97328	0.45	3500	41
SA97329	0.55	3500	24
SA97330	0.50	2400	24
SA97331	0.60	2800	14
SA97332	0.60	3300	18
SA97333	0.55	2300	18
SA97334	0.75	2700	16

UNITS	ppb	ppb	ppb
DET.LIM	0.05	100	0.5
SCHEME	BLEG2	BLEG2	BLEG2

Appendix 2

Catch Dam Gravity Data

line 1

Eastings	Northings	RL	Gravity Readings	Time
476300	6458350	0.057	463.4	15:24
476300	6458400	0.248	460.2	15:29
476300	6458450	0.414	444.6	15:40
476300	6458500	0.566	438.05	15:46
476300	6458550	0.633	459.9	15:49
476300	6458600	0.74	438.7	16:00
476300	6458650	0.815	452.6	16:06
476300	6458700	0.813	452.5	16:11
476300	6458750	0.888	445.7	16:23
476300	6458800	0.96	450.9	16:27
476300	6458850	0.969	452	16:33
476300	6458900	0.994	451.5	16:39
476300	6458950	1.087	448	16:43
476300	6459000	1.248	463.8	16:46
476300	6459050	1.397	461.1	16:51
476300	6459100	1.48	460.3	16:55
476300	6459150	1.436	456.6	16:59
476300	6459200	1.424	461.3	17:02
476300	6459250	1.785	450	17:06
476300	6459300	2.133	458	17:10
476300	6458300	0.000	486.7	12:05
476300	6458250	-0.057	492.0	12:15
476300	6458200	-0.102	488.5	12:20
476300	6458150	-0.142	488.9	12:35
476300	6458100	-0.246	489.8	12:40
476300	6458050	-0.314	489.8	12:50
476300	6458000	-0.392	489.1	12:55
476300	6457950	-0.509	488.5	13:05
476300	6457900	-0.512	486.0	13:25
476300	6457850	-0.562	490.0	13:35
476300	6457800	-0.715	485.1	13:45
476300	6457750	-0.693	486.3	13:55
476300	6457700	-0.709	488.1	14:05
476300	6457650	-0.660	487.5	14:15
476300	6457600	-0.783	488.5	14:25
476300	6457550	-0.869	486.1	14:35
476300	6457500	-0.983	487.5	14:45
476300	6457450	-1.070	487.3	14:55
476300	6457400	-1.112	487.4	15:00
476300	6457350	-1.277	487.3	15:05
476300	6457300	-1.403	487.3	15:10
476300	6457250	-1.459	487.2	15:15
476300	6457200	-1.578	487.5	15:25
476300	6457150	-1.607	487.1	15:30
476300	6457100	-1.682	491.3	15:40
476300	6457050	-1.762	491.8	16:00
476300	6457000	-1.816	499.0	16:05
476300	6456950	-1.945	499.1	16:10
476300	6456900	-2.108	495.0	16:20
476300	6456850	-2.227	494.8	16:25
476300	6456800	-2.259	494.8	16:30
476300	6456750	-2.434	464.9	10:16
476300	6456700	-2.473	466.6	10:26
476300	6456650	-2.472	477.5	10:34

	Eastings	Northings	RL	Gravity Readings	Time
	476300	6456600	-2.561	484.1	10:52
	476300	6456550	-2.537	483.4	10:58
	476300	6456500	-2.809	484.3	11:07
	476300	6456450	-2.843	483.2	11:21
	476300	6456400	-2.780	479.1	11:28
	476300	6456350	-2.999	474.8	11:35
	476300	6456300	-3.100	480.0	11:43
	476300	6456250	-3.198	467.4	11:52
	476300	6456200	-3.324	469.2	12:01
	476300	6456150	-3.275	473.2	12:07
	476300	6456100	-3.284	459.5	12:16
	476300	6456050	-3.369	466.4	12:28
	476300	6456000	-3.513	467.0	12:39
	476300	6455950	-3.654	465.3	12:52
	476300	6455900	-3.721	466.2	13:10
	476300	6455850	-3.777	460.4	13:20
	476300	6455800	-3.820	460.5	13:26
	476300	6455750	-3.926	458.8	13:36
	476300	6455700	-4.117	463.4	13:43
	476300	6455650	-4.240	467.4	13:52
	476300	6455600	-4.275	471.2	13:58
	476300	6455550	-4.307	458.7	14:03
	476300	6455500	-4.317	461.8	14:07
	476300	6455450	-4.311	467.6	14:11
	476300	6455400	-4.129	469.5	14:15
	476300	6455350	-3.856	469.8	14:19
	476300	6455300	-3.792	466.7	14:24
line 2w					
	476300	6458300	0.000	411.0	10:01
	476250	6458300	0.140	402.0	10:10
	476200	6458300	0.450	404.0	10:14
	476150	6458300	0.062	408.5	10:22
	476100	6458300	0.085	401.0	10:28
	476050	6458300	0.124	417.0	10:35
	476000	6458300	0.075	397.0	10:41
	475950	6458300	0.159	413.0	10:45
	475900	6458300	0.134	407.5	10:49
	475850	6458300	0.020	404.5	10:53
	475800	6458300	-0.116	402.0	10:57
	475750	6458300	-0.175	405.0	11:01
	475700	6458300	-0.293	401.0	11:06
	475650	6458300	-0.304	409.0	11:10
	475600	6458300	-0.307	411.0	11:14
	475550	6458300	-0.296	402.0	11:18
	475500	6458300	-0.241	415.0	11:24
	475450	6458300	-0.297	405.0	11:29
	475400	6458300	-0.228	408.0	11:33
	475350	6458300	-0.189	399.0	11:39
	475300	6458300	-0.156	411.0	11:44
	475250	6458300	-0.183	410.0	11:52
	475200	6458300	-0.219	411.0	11:57
	475150	6458300	-0.388	412.0	12:02
	475100	6458300	-0.457	406.0	12:07
	475050	6458300	-0.550	414.0	12:12
	475000	6458300	-0.586	403.5	12:17

Eastings	Northings	RL	Gravity Readings	Time
474950	6458300	-0.559	404.5	12:23
474900	6458300	-0.495	400.0	12:31
474850	6458300	-0.608	399.5	12:35
474800	6458300	-1.048	400.0	12:40
474750	6458300	-1.043	390.5	12:45
474700	6458300	-1.086	397.5	12:50
474650	6458300	-0.891	402.0	12:53
474600	6458300	-1.087	400.5	12:56
474550	6458300	-1.748	396.0	13:00
474500	6458300	-1.321	398.0	13:03
474450	6458300	-1.030	388.0	13:08
474400	6458300	-0.827	399.0	13:12
474350	6458300	-0.864	392.5	13:18
474300	6458300	-0.811	394.0	13:24
474250	6458300	-0.802	402.5	13:28
474200	6458300	-0.801	398.0	13:32
474150	6458300	-0.929	397.5	13:37
474100	6458300	-0.829	395.5	13:43
474050	6458300	-0.653	390.0	13:48
474000	6458300	-0.520	389.0	14:05
473950	6458300	-0.504	384.5	14:11
473900	6458300	-0.245	383.5	14:16
473850	6458300	-0.192	390.0	14:23
473800	6458300	-0.026	384.5	14:28
473750	6458300	0.129	379.0	14:31
473700	6458300	0.389	377.5	14:37
473650	6458300	0.598	379.0	15:00
473600	6458300	0.764	377.0	15:06
473550	6458300	1.386	375.0	15:13
473500	6458300	1.846	379.0	15:18
473450	6458300	2.466	378.5	15:24
473400	6458300	2.714	375.0	15:29
473350	6458300	3.434	379.0	15:36
473300	6458300	4.000	376.0	15:41

M.I.M. EXPLORATION PTY LTD

(ACN 009 681 118)

TECHNICAL REPORT

No. 2766

TITLE:	**EL 2127 "WOMPINIE"** **SOUTH AUSTRALIA** **Annual Report for the year ending 23rd November 1999**
ISSUING DEPARTMENT:	**EXPLORATION**
AUTHOR:	**J. M. JACKSON**
INVESTIGATIONS CONDUCTED BY:	**MIMEX STAFF**
SUBMITTED BY:	**M. McGEOUGH**
DATE:	**JANUARY 2000**

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M. McGeough

District Geologist - South Australia

KEY WORDS

Willyama Supergroup, Olary Block

Gold

Copper

Base Metals

Catch Dam Prospect

BLEG Soil Sampling

Gravity

Aircore Drilling

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M.I.M. EXPLORATION PTY LTD

EL 2127 "WOMPINIE"

SOUTH AUSTRALIA

Annual Report for the year ending

23rd November 1999

SUMMARY

Aim of Project

To explore and evaluate the potential for economic gold, copper and base metal mineralisation on Exploration Licence 2127 "Wompinie".

Object of Report

To document exploration activities and results achieved on EL 2127 for the year ending 23rd November 1999.

Location

EL 2127 "Wompinie" is centred approximately 50 km northeast of the Olary Township. The "Wompinie" tenement is located on the Olary and Curnamona 1:250,000 geological map sheets, which are produced by Primary Industries and Resources South Australia (PIRSA).

Tenure

EL 2127 covers an area of approximately 230 km^2 and was granted to Aberfoyle Resources Ltd and Normandy Minerals Ltd on 24th November 1995. The licence has subsequently been renewed.

Mount Isa Mines Limited (MIM Ltd) farmed into the Drew Hill Joint Venture covering ELs 2127, 2031 and 1938 (EL 1938 has now become 2630) in May 1995. MIM Exploration Pty Ltd is currently manager and operator of the project area on behalf of MIM Ltd.

Precis

Exploration activities completed on EL 2127 this year include:

- 110 BLEG soil samples taken over the Catch Dam area
- Four gravity traverses completed across the Catch Dam area by Daishsat Pty Ltd
- 29 aircore holes (CD 1 – 29) completed for 749 metres of drilling

Conclusions and Recommendations

The *BLEG* soils over the Catch Dam area were assayed for Au, Cu and Ag and were not useful in targeting the base metal mineralisation evident in this area. No more *BLEG* soils are planned for this area.

Holes CD1, CD13, CD18, CD23 and CD28 were stopped prematurely due to quartz veins or silicification in the hole. Hole CD27 was not completed due to drilling difficulties. The use of a more powerful drilling rig, capable of changing to a hammer bit to penetrate silicified zones and quartz veins down hole, is recommended.

Previous drilling returned highly anomalous Pb + Zn anomalism in drill holes WM3 and WM4. One to two kilometres southeast of this area, later abandoned aircore holes CD15, CD17 and CD18 returned low level Pb + Zn + As (+ minor Mo). The coincident occurrence of low level anomalism in these holes should be investigated with a deeper RCP hole.

M.I.M. EXPLORATION PTY LTD

EL 2127 "WOMPINIE"

SOUTH AUSTRALIA

Annual Report for the year ending

23rd November 1999

1. INTRODUCTION

Exploration Licence 2127 "Wompinie" (EL 2127) covers approximately 230 km^2. The licence was originally granted on 24th November 1995 and has subsequently been renewed. Mount Isa Mines Limited farmed into the Drew Hill Joint Venture project covering ELs 2127, 2031 and 1938 (EL 1938 has now become 2630) in May 1995. MIM Exploration Pty Ltd, on behalf of MIM Ltd, is currently the manager and operator of this group of tenements.

EL 2127 is located approximately 50 km northeast of the Olary township and lies on the Olary (SI54-2) and Curnamona (SH54-14) 1:250,000 geological map sheets.

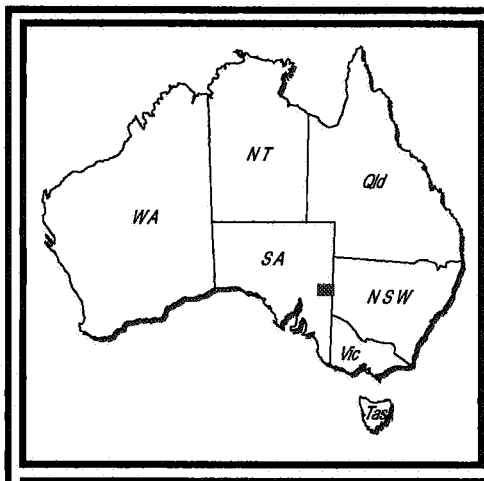
EL 2127 is located on the Olary Block, South Australia. The licence is underlain by Early Proterozoic metasediments of the Willyama Supergroup that are intruded by Mesoproterozoic granitoid rocks. Quaternary alluvium and fan deposits cover much of the tenement.

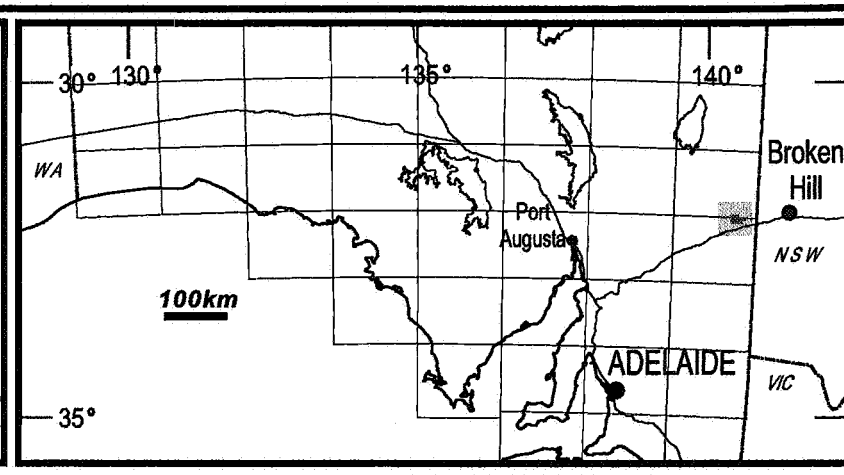
2. LOCATION and ACCESS

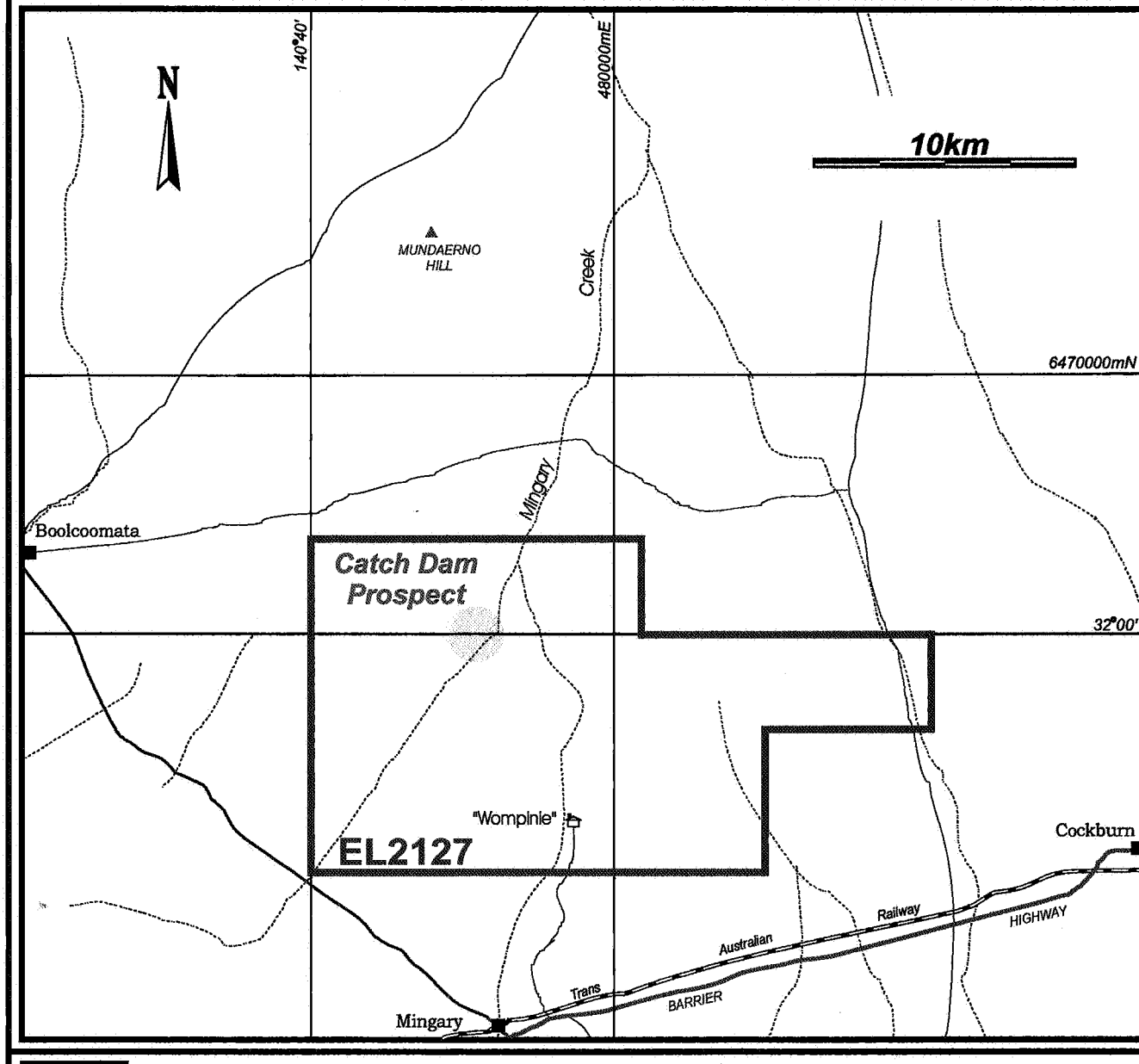
EL 2127 is located approximately 50 km northeast of the Olary township *(Drawing 51103)*. The boundaries of this tenement fall within the longitudes 140°40'E and 140°55'E and the latitudes 31°58'S and 32°05'S.

EL 2127 is located on the Olary (SI 54-2) and Curnamona (SH 54-14) 1:250,000 geological map sheets, which are produced by Primary Industries and Resources South Australia (PIRSA).

Access to and within the licence is via an unsealed road and various station tracks leading from the Barrier Highway.







MIM EXPLORATION

M.I.M. EXPLORATION PTY LTD

A.C.N. 009 681 118

PROJECT / TITLE :

EL2127 "WOMPINIE" LOCATION PLAN

Mining District or Region: OLARY			Compiled by : JJ	Scale : 1:250,000
Revised by :	Date :	1 : 250 000 Ref : SI54-2	Drawn by : remc	Date : 7dec99
		1 : 100 000 Ref : 7033	Drwg No : 51103	Report No: 2766

3. TENURE

EL 2127 covers an area of approximately 230 km^2. EL 2127 was granted for one year to Aberfoyle and Normandy on 24th November 1995. The licence has subsequently been renewed on two occasions, for one and two years, respectively. The final application for a renewal of the Exploration Licence 2127 has been lodged.

Mount Isa Mines Limited farmed into the Drew Hill Joint Venture in May 1995. The Drew Hill JV was between Mount Isa Mines Ltd (60%), Aberfoyle Resources Limited - now Western Metals (20%) and Normandy Mining Ltd (20%). MIM Exploration Pty Ltd is currently manager and operator of the project area on behalf of MIM Ltd. The Joint Venture covers the ELs 2127, 2031 and 2630. As part of this agreement MIMEX was required to spend $200,000 on the Drew Hill project area during the initial earn in period with an option to expend a further $550,000 over a four year period to earn 60%. MIMEX has met these requirements to gain its 60% equity.

4. GEOLOGY

EL 2127 is located on the Olary Block, South Australia. The licence is underlain by Early Proterozoic metasediments of the Willyama Supergroup that are intruded by Mesoproterozoic granitoid rocks. Outcrop is very limited with most of the licence covered by Quaternary alluvium and fan deposits. Airborne magnetic data (consisting of MESA and open file datasets) clearly maps several structures within the tenement area, which reflect either stratigraphy or major faults.

Detailed geology is given in the Olary and Curnamona 1:250 000 geological notes.

5. PREVIOUS EXPLORATION

5.1 Aberfoyle

This licence was part of the Aberfoyle magnetic survey flown in 1990. Reconnaissance rock chip sampling in the Catch Dam area reported anomalous mercury and weak copper anomalies from ferruginous outcrops. Three traverses of widely spaced RAB holes in April 1993 provided a broad geochemical and lithological coverage. Two holes W56 and W57 reported anomalous Pb, Zn and Au about 2 km north of Catch Dam.

5.2 MIMEX

MIMEX completed four traverses of coincident ground magnetics, 100m dipole-dipole IP and 200m moving loop EM, over airborne magnetic anomalies (note: three of the four traverses transgress the tenement boundary). Three additional lines of 100m dipole-dipole IP were also completed over holes W56 and W57 (old Aberfoyle drill holes).

In May 1996, a line of *–80 mesh* soil samples at 100m intervals was carried over an area of thin soil cover over the Catch Dam Prospect.

In December 1996, four Reverse Circulation holes (WM 1 – 4) plus one diamond tail (WM 4) were drilled to test the IP anomalies delineated previously by MIMEX.

Students from the O'Halloran Hill TAFE collected 69 *BLEG* soil samples over the Catch Dam area. In addition, gravity data was acquired along the same two orthogonal lines as the soil traverses. Several errors were made in the acquisition of the gravity data making reduction of the data very difficult.

Landform Regolith mapping at 1:25,000 scale was completed.

6. EXPLORATION conducted by MIM EXPLORATION during the year ending 23rd November 1999

6.1 Soil Sampling

A total of 110 (2-3 kg) -1.6mm soil samples were collected in July 1999. -1.6mm soils are collected over depositional areas such as in the Catch Dam survey area and are assayed by a BLEG technique. Previous work over other areas on MIMEX tenements in Olary has found this method of soiling is useful for target generation.

These soils were collected on a 500 x 500 metre grid over the Catch Dam area and a nearby gravity anomaly. Rehabilitation of the sample site was carried out on completion of the sample collection.

The soil samples (SA120001-120108 and SA120336-120337) were sent to Amdel Laboratories in Adelaide and assayed for Au, Cu and Ag by the BLEG 2 method. Assay results for the *BLEG* soils are given in *Appendix 1*. Sample site locations are presented with Au and Cu values in *Drawing 51860* and *Drawing 51861*, respectively.

6.2 Gravity Survey

A gravity survey was commissioned by MIMEX and undertaken by Daishsat Geodetic Surveyors over the Catch Dam Prospect in June 1999. The survey specifications are provided below:

- One Scintrex CG-3 gravity meter (9303204)
- One Omnistar differential GPS for navigation
- Two Leica SR9500 dual frequency GPS receivers
- Two Compaq notebooks for data processing

The gravity survey was designed to further detail a local gravity high seen in regional data acquired by PIRSA. This anomaly lies in a position proximal to low grade Pb + Zn mineralisation intersected by MIM drill holes WM 3 and WM 4. The digital gravity data is included in *Appendix 2* and is presented in *Drawing 51885*.

6.3 Aircore Drilling

Two north – south drilling traverses were completed by Ironbark Exploration Pty Ltd over the Catch Dam Prospect for a total of 29 aircore holes (CD 1 - 29) for 749 metres of drilling. The holes were nominally spaced at 200m intervals and were drilled to blade refusal. The aim of these drilling traverses was to geochemically test the gravity anomaly and also to follow-up a low level Cu + Ag soil anomaly found in this area. All holes were rehabilitated on completion. 202 samples were collected as 4m composites and sent to Amdel in Adelaide to be assayed for Au, Cu, Pb, Zn, Ag, As, Mo, and Ni by ARM2.

Lithological codes are in *Appendix 3* and the aircore drilling logs and assay results are contained in *Appendix 4.* Aircore drill hole locations are shown on *Drawing 51862,* with the associated cross sections in *Drawings 51863* and *51864.*

7. RESULTS and DISCUSSION

7.1 Soil Sampling

The soil survey around the Catch Dam area showed no significant Au anomalism and revealed minor low level Cu +/- Ag anomalism. The main form of mineralisation in the Catch Dam area is Pb + Zn. Therefore, the *BLEG* soils failed to reveal any information on this style of mineralisation.

7.2 Gravity Survey

Steve Busuttil noted that the gravity survey over the Catch Dam area shows an increased gravity response that partly overlays an area of flat magnetic response. This flat magnetic response has previously been interpreted as Pelite Suite, folded around an east - west axial plane. It has been suggested that sillimanite within the Pelite Suite could be the source of the gravity anomaly and that Rio Tinto have drilled similar anomalies to the north (pers. comms Mark McGeough).

7.3 Aircore Drilling

Aircore drilling in the Catch Dam area returned some low level Pb + Zn anomalism in holes CD15, CD17 and CD18. These holes lie 1 to 2 kilometres southeast of the previously drilled, mineralised holes WM3 and WM4. The aircore hole (CD1) closest to WM3 and WM4 didn't penetrate a silicified clay zone at the top of the hole and therefore didn't test this area at depth.

Low level Mo and As anomalism was scattered through out the Catch Dam holes. The best Cu result was in CD17 (4m @ 165 ppm Cu from 44m) and the best Au anomaly, which occurred in a quartz vein, was in CD18 (2m @ 0.030 ppm Au from 24m).

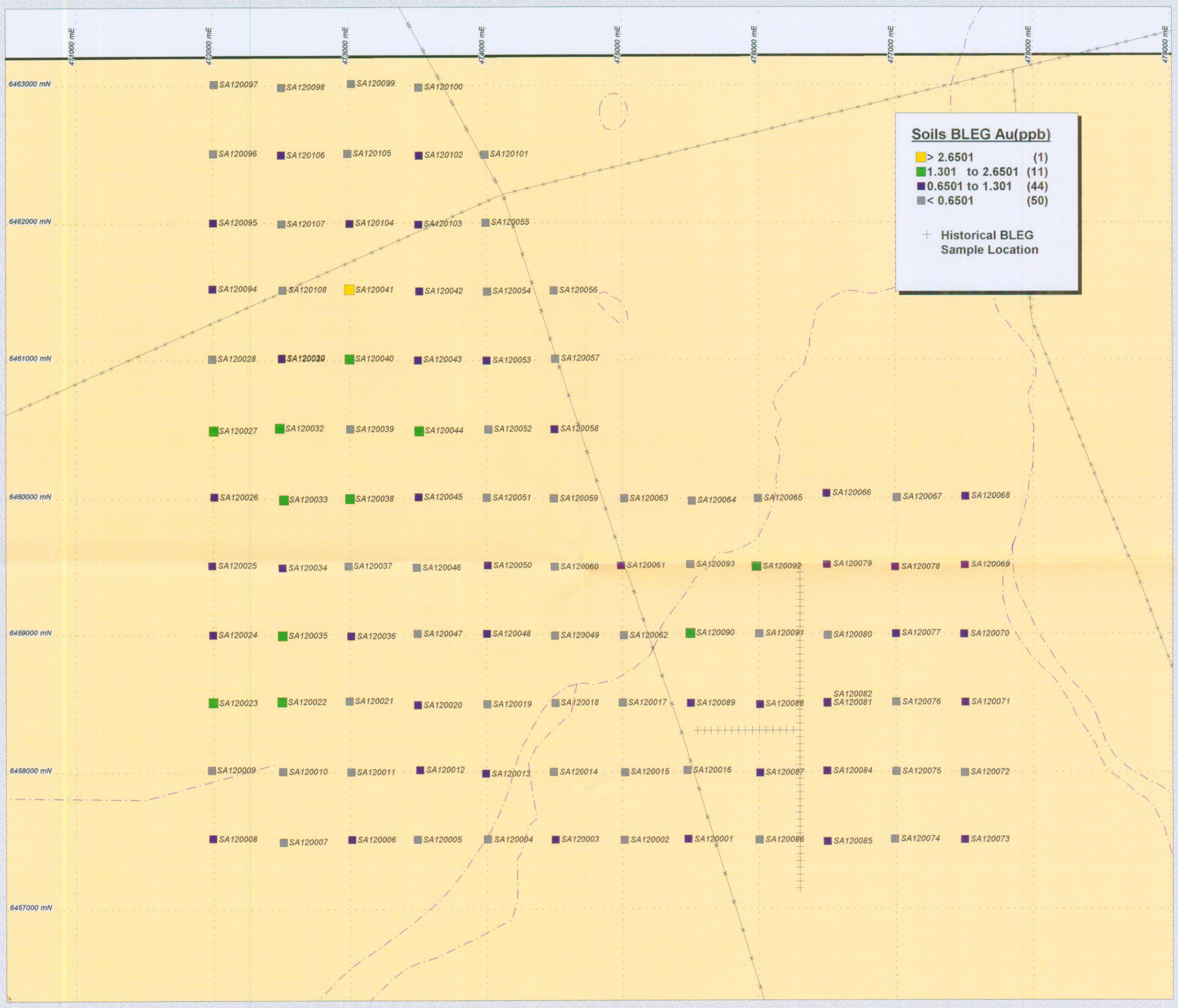
Drilling in the Catch Dam area was problematical. The puggy, transported clay was difficult for the small aircore rig to penetrate and quartz veins stopped the rig before it reached saprock / bedrock in a few holes.

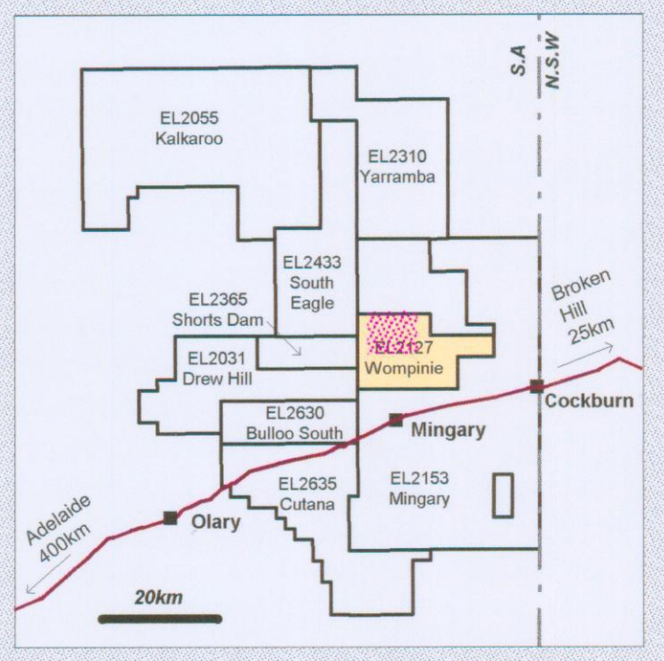
8. CONCLUSIONS and RECOMMENDATIONS

The *BLEG* soils over the Catch Dam area were assayed for Au, Cu and Ag. Aircore drilling didn't return any significant Au, Cu or Ag assays but did reveal anomalous Pb, Zn, As and Mo in some holes. Therefore, the soils in this area were not useful in targeting the base metal mineralisation evident in this area. No more *BLEG* soils are planned for this tenement.

Ironbark's Toyota mounted, aircore rig is small and mobile but does not have the capability to use a hammer bit. Holes CD13, CD18, CD23 and CD28 were pulled up short by quartz veins and CD1 was abandoned due to impenetrable silicification at the top of the hole. Hole CD27 was not completed due to drilling difficulties. I recommend the use of a more powerful drilling rig that is capable of changing to a hammer bit to penetrate silicified zones and quartz veins down hole.

Previous drilling in the Catch Dam area returned highly anomalous Pb + Zn anomalism in drill holes WM3 and WM4. CD1 was within 300m of these holes and did not return any significant anomalism, however it didn't reach target depth (as mentioned above). Aircore holes CD15, CD17 and CD18 (abandoned on quartz vein) returned low level Pb + Zn + As (+ minor Mo). These holes were within 400m of previously drilled WM2, which didn't return any significant anomalism. Even though WM2 didn't return significant mineralisation, the coincident occurrence of low level anomalism in holes CD15, CD17 and CD18 should be investigated with a deeper RCP hole.





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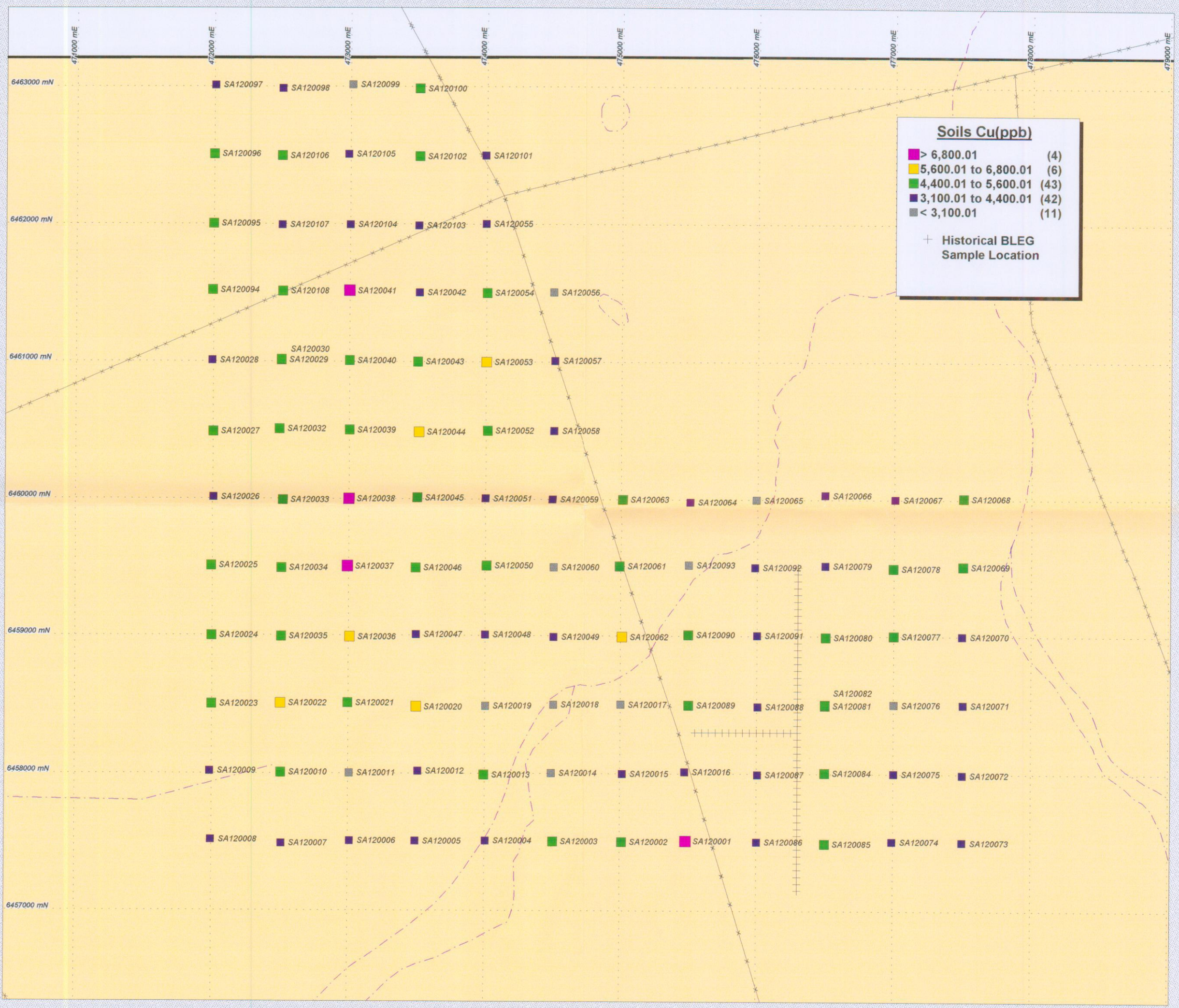
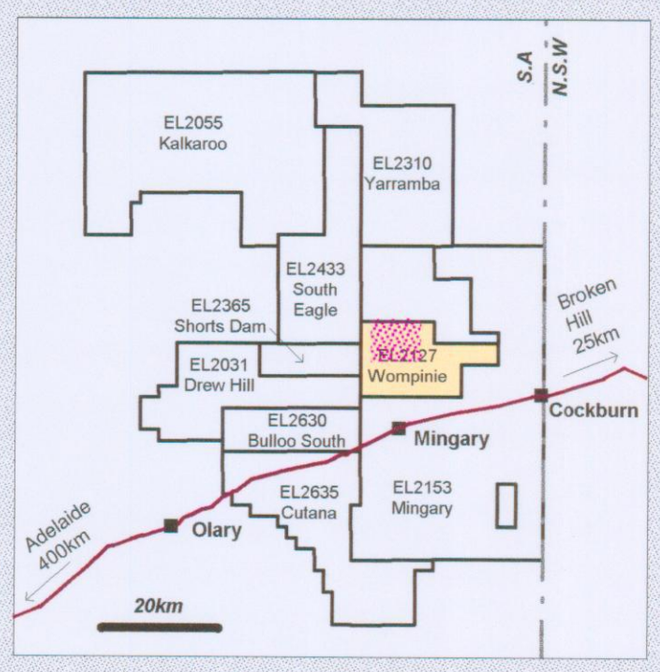
MIM EXPLORATION

EL2127 "WOMPINIE"
Catch Dam Prospect Area
Soil Sample Locations
BLEG Au(ppb)

1:250000 :	SH54-14 / SI54-2	Author : remc	Scale : 1:25000
1:100000 :	7033 / 7034	Original Date :	Date : 7/12/1999
Region : Olary		Adelaide	Drg No : 51860
Projection:	AMG Zone 54 (AGD 84)		Report No : 2766

0 1 2km





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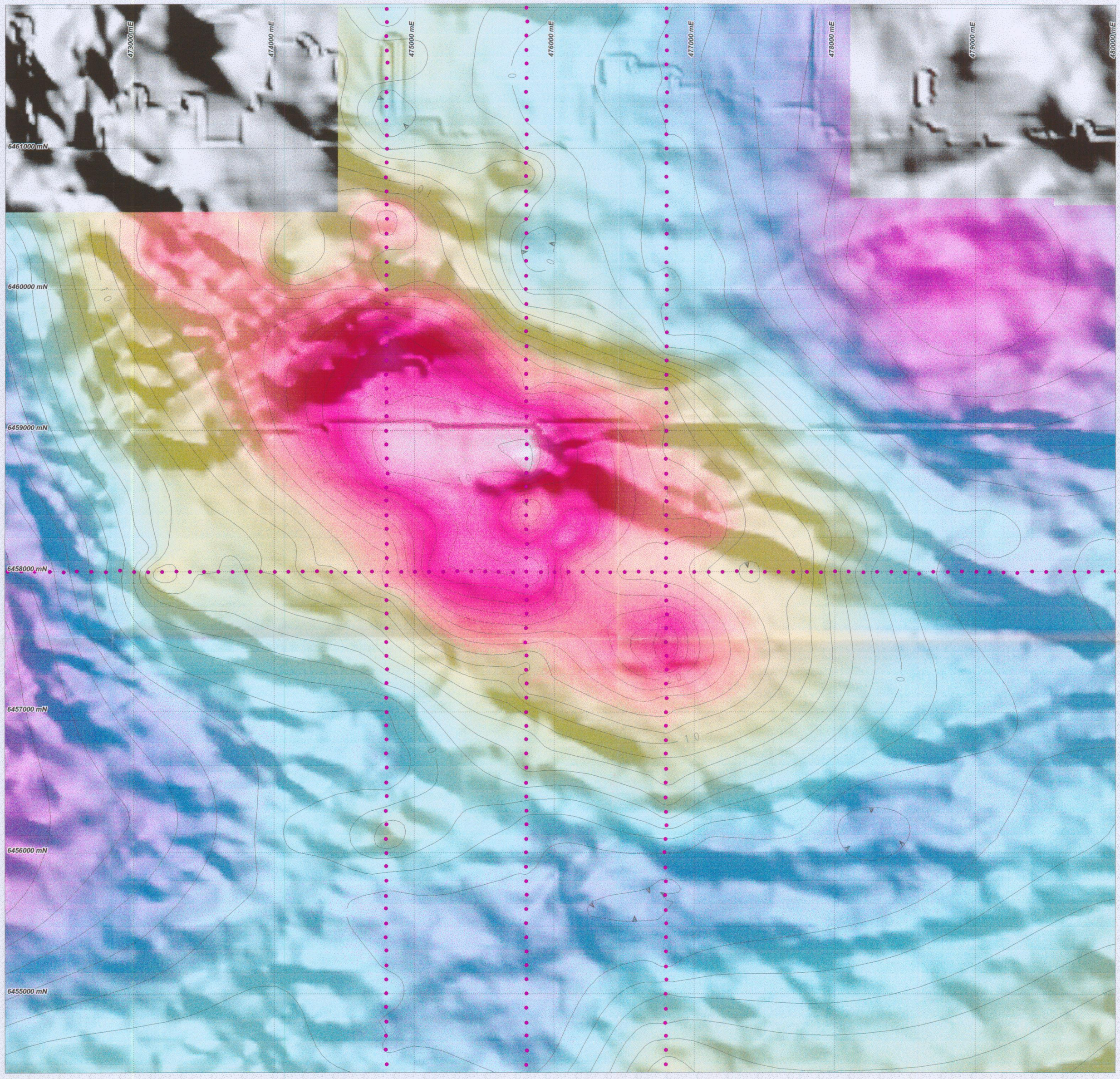
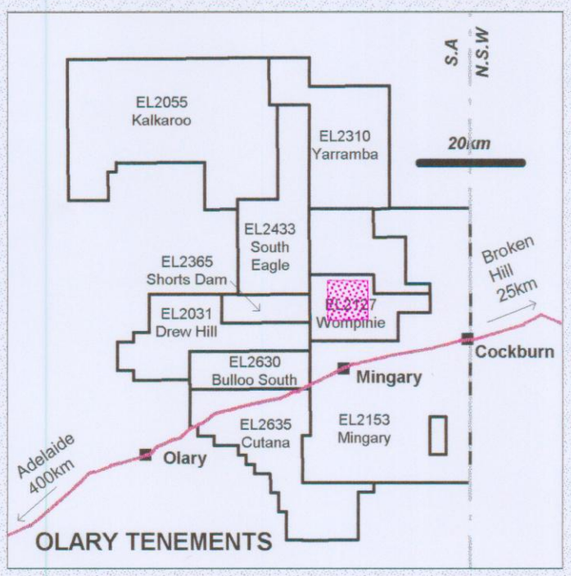
EL2127 "WOMPINIE"
Catch Dam Prospect Area
Soil Sample Locations
BLEG Cu(ppb)

1:250000 :	SH54-14 / SI54-2	Author : remc	Scale : 1:25000
1:100000 :	7033 / 7034	Original Date :	Date : 7/12/1999
Region : Olary		Adelaide	Drg No : 51861
Projection:	AMG Zone 54 (AGD 84)		Report No : 2766

0 1 2km





● Data Station Location

Gravity Contour 2 gu

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MIM EXPLORATION

EL2127 "WOMPINIE"
Catch Dam Prospect Gravity

Contours and Station Locations over Gravity Pseudocolour & Rtp1vd Magnetics

1:250000 :	SH54-14 / 2	Author :	SB / remc	Scale :	1:20000
1:100000 :	7033 / 7034	Original Date :		Date :	22/12/1999
Region :		Adelaide		Drg No :	51885
Projection:	AMG Zone 54 (AGD 84)			Report No :	2766 Annual

0 500 1000 2000 m

471000 mE
472000 mE
473000 mE
474000 mE
475000 mE
476000 mE
477000 mE
478000 mE
479000 mE

6463000 mN
6462000 mN
6461000 mN
6460000 mN
6459000 mN
6458000 mN
6457000 mN

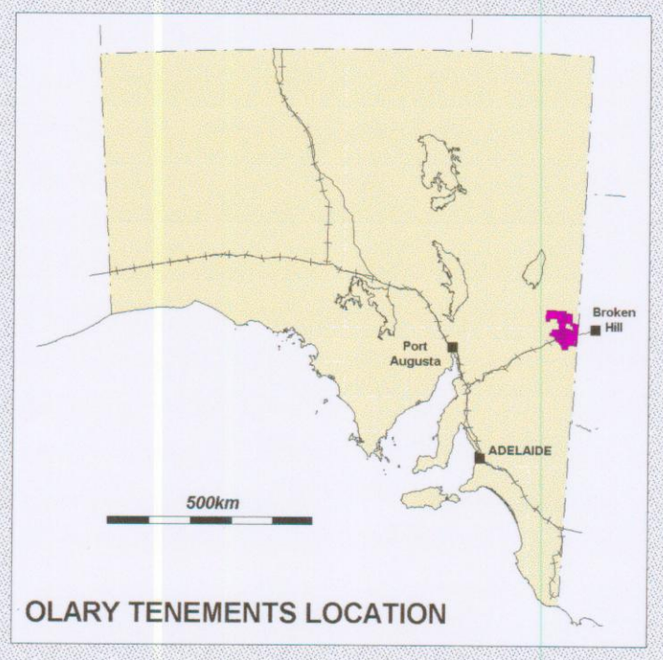
Section CD14 to1
See Drg No. 51863

Section CD29 to15
See Drg No. 51864

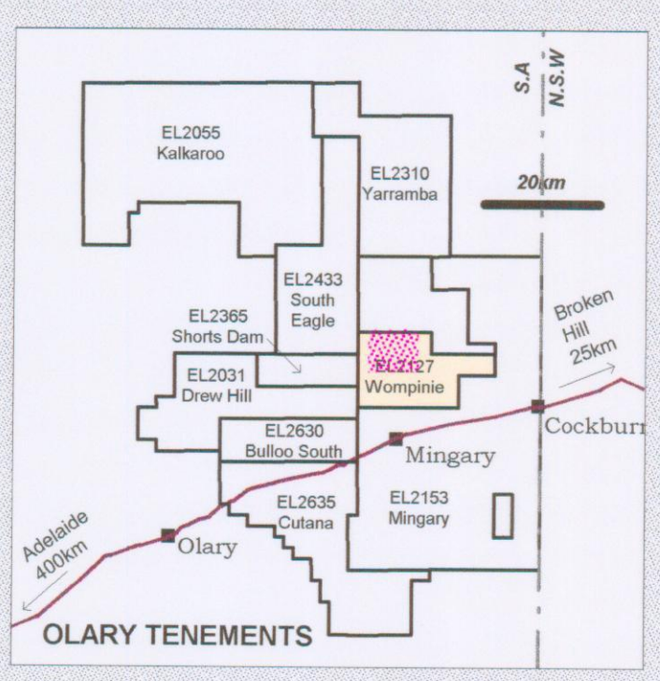
CD1
CD2
CD3
CD4
CD5
CD6
CD7
CD8
CD9
CD10
CD11
CD12
CD13
CD14
CD15
CD16
CD17
CD18
CD19
CD20
CD21
CD22
CD23
CD24
CD25
CD26
CD27
CD28
CD29

Air Core drill hole drilled to year end 23nov99

Historical Diamond/RC/Percussion drillhole



OLARY TENEMENTS LOCATION



OLARY TENEMENTS

N

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MIM EXPLORATION

EL2127 "WOMPINIE"
Catch Dam Prospect Area
Air Core Drillhole Location Plan
to year end 23nov99

1:250000 :	SH54-14 / SI54-2	Author : remc	Scale : 1:25000
1:100000 :	7033 / 7034	Original Date :	Date : 7/12/1999
Region : Olary		Adelaide	Drg No : 51862
Projection:	AMG Zone 54 (AGD 84)		Report No : 2766

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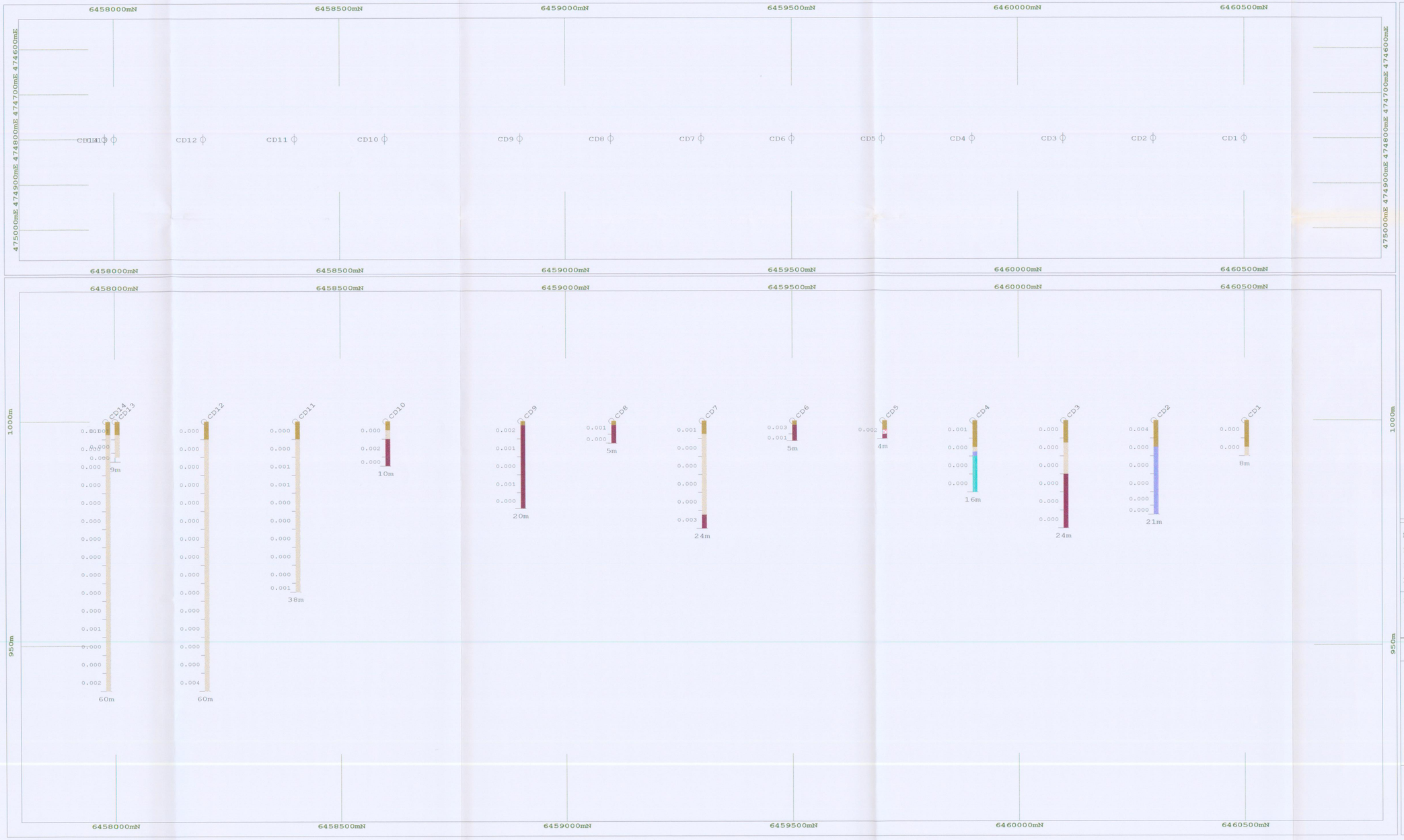


Au (g/t)

- < 0.02
- 0.02 to 0.10
- 0.10 to 0.50
- >= 0.50

Litholgy

- Albitite
- Alluvium
- Amphibolite
- Clay
- Cover
- Calc-Silicate
- Fault
- Ferricrete
- Gneiss
- Granite
- Gravel
- Ironstone
- Migmatite
- Mylonite
- Pegmatite
- Quartzite
- Schist
- Soil
- Silcrete
- Sand
- Tillite
- Vein
- Colluvium
- Grus
- Siltstone
- No Sample

Region: OLARY

1:250,000 Ref: SH54-14/SI54-2

1:100,000 Ref: 7033/7034

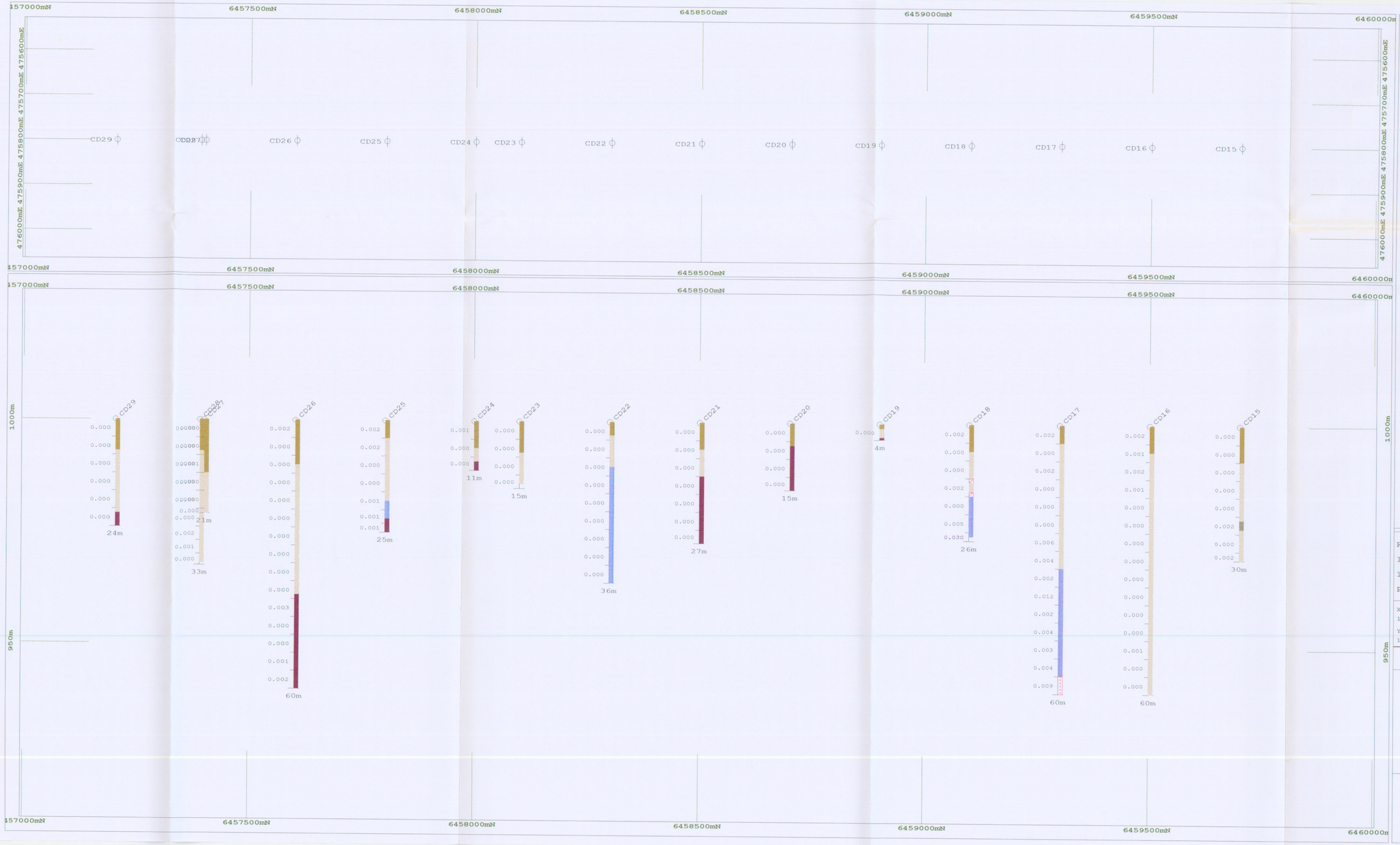
Projection: AMG Zone 54 (AGD84)

XSCALE 1:5000	DATE 10Dec99	DRG NO 51863
YSCALE 1:500	DRAWN BY remc	FILE CD14 TO CD1

0 250 500m

EL2127 "WOMPINIE"
Catch Dam Prospect
Section 474800mE
CD14 to CD1
showing Au(g/t)
and Lithology

MIM Exploration Pty.Ltd.
13 Maple Avenue
Forestville SA 5035
ph 08-8371-4533
fax 08-8371-4322



Au (g/t)

- < 0.02
- 0.02 to 0.10
- 0.10 to 0.50
- >= 0.50

Litholgy

- Albitite
- Alluvium
- Amphibolite
- Clay
- Cover
- Calc-Silicate
- Fault
- Ferricrete
- Gneiss
- Granite
- Gravel
- Ironstone
- Migmatite
- Mylonite
- Pegmatite
- Quartzite
- Schist
- Soil
- Silcrete
- Sand
- Tillite
- Vein
- Colluvium
- Grus
- Siltstone
- No Sample

Region: OLARY

1:250,000 Ref: SH54-14/SI54-2

1:100,000 Ref: 7033/7034

Projection: AMG Zone 54 (AGD84)

XSCALE 1:5000	DATE 10Dec99	DRG NO 51864
YSCALE 1:500	DRAWN BY remc	FILE CD29 TO CD15

0 250 500m

EL2127 "WOMPINIE"
Catch Dam Prospect
Section 475800mE
Air Core Drillholes CD29 to CD15
showing Au(g/t)
and Lithology

MIM Exploration Pty.Ltd.
13 Maple Avenue
Forestville SA 5035
ph 08-8371-4533
fax 08-8371-4322

MOUNT ISA MINES LIMITED

EL 2127 "WOMPINIE"

STATEMENT OF EXPENDITURE FOR YEAR ENDED 23rd NOVEMBER 1999

LABOUR MEX	10,063	
SUPPLIES & SERVICE - OFFICE FIXED	11,111	
INFRASTRUCTURE	257	
PERSONNEL COSTS - FIXED	0	
PERSONNEL COSTS - VARIABLE	0	
MISC. GOVERNMENT CHARGES	0	
SUPPLIES & SERVICE - OFFICE VARIABLE	30	
SUPPLIES & SERVICE - FIELD	3,450	
TRAVEL & ACCOMMODATION	103	
DRILLING	6,213	
CONTRACT & CONSULTANT SERVICES	7,273	
GEOPHYSICS	6,750	
GEOCHEMICAL	4,681	
RESEARCH	1,875	
LABOUR - EXTERNAL	0	
JOINT VENTURE CONTRIBUTIONS	0	
LAND TENURE & ENVIRONMENT	2,214	
TOTAL DIRECT COST		**54,020**
ADD: TECHNICAL SUPPORT & ADMIN.		**8,643**
ADD: PREVIOUSLY REPORTED AMOUNT		**129,495**
TOTAL PROJECT EXPENDITURE TO DATE		**$ 192,158**

Appendix 1

BLEG Soil Samples

Sample Ledgers and Assay Results

MIM EXPLORATION
SAMPLE LEDGER

Sample Number	AMG E	AMG N	Tenement	Prospect
SA120001	475482	6457511	2127	CATCH DAM
SA120002	475015	6457504	2127	CATCH DAM
SA120003	474502	6457506	2127	CATCH DAM
SA120004	474008	6457510	2127	CATCH DAM
SA120005	473493	6457507	2127	CATCH DAM
SA120006	473013	6457508	2127	CATCH DAM
SA120007	472510	6457490	2127	CATCH DAM
SA120008	471995	6457516	2127	CATCH DAM
SA120009	471985	6458017	2127	CATCH DAM
SA120010	472507	6458006	2127	CATCH DAM
SA120011	473007	6458001	2127	CATCH DAM
SA120012	473512	6458016	2127	CATCH DAM
SA120013	473995	6457990	2127	CATCH DAM
SA120014	474490	6458001	2127	CATCH DAM
SA120015	475017	6457998	2127	CATCH DAM
SA120016	475473	6458012	2127	CATCH DAM
SA120017	475001	6458502	2127	CATCH DAM
SA120018	474504	6458501	2127	CATCH DAM
SA120019	474004	6458492	2127	CATCH DAM
SA120020	473496	6458485	2127	CATCH DAM
SA120021	472996	6458513	2127	CATCH DAM
SA120022	472503	6458509	2127	CATCH DAM
SA120023	471999	6458504	2127	CATCH DAM
SA120024	471996	6458999	2127	CATCH DAM
SA120025	471992	6459506	2127	CATCH DAM
SA120026	472006	6460011	2127	CATCH DAM
SA120027	472002	6460491	2127	CATCH DAM
SA120028	471991	6461008	2127	CATCH DAM
SA120029	472500	6461011	2127	CATCH DAM
SA120030	472500	6461016	2127	CATCH DAM
SA120031	STD - BLG12		2127	CATCH DAM
SA120032	472488	6460509	2127	CATCH DAM
SA120033	472516	6459991	2127	CATCH DAM
SA120034	472506	6459489	2127	CATCH DAM
SA120035	472506	6458992	2127	CATCH DAM
SA120036	473009	6458989	2127	CATCH DAM
SA120037	472991	6459501	2127	CATCH DAM
SA120038	473001	6460000	2127	CATCH DAM
SA120039	473001	6460502	2127	CATCH DAM
SA120040	473000	6461008	2127	CATCH DAM
SA120041	472998	6461514	2127	CATCH DAM
SA120042	473509	6461502	2127	CATCH DAM
SA120043	473498	6461001	2127	CATCH DAM
SA120044	473509	6460489	2127	CATCH DAM
SA120045	473503	6460009	2127	CATCH DAM
SA120046	473490	6459492	2127	CATCH DAM
SA120047	473495	6459007	2127	CATCH DAM
SA120048	474001	6459007	2127	CATCH DAM
SA120049	474503	6458992	2127	CATCH DAM
SA120050	474012	6459509	2127	CATCH DAM
SA120051	474003	6460005	2127	CATCH DAM
SA120052	474013	6460499	2127	CATCH DAM
SA120053	474003	6460998	2127	CATCH DAM
SA120054	474006	6461500	2127	CATCH DAM
SA120055	473996	6462002	2127	CATCH DAM

MIM EXPLORATION
SAMPLE LEDGER

Sample Number	AMG E	AMG N	Tenement	Prospect
SA120056	474496	6461505	2127	CATCH DAM
SA120057	474507	6461009	2127	CATCH DAM
SA120058	474501	6460499	2127	CATCH DAM
SA120059	474494	6459999	2127	CATCH DAM
SA120060	474502	6459498	2127	CATCH DAM
SA120061	474992	6459506	2127	CATCH DAM
SA120062	475011	6458993	2127	CATCH DAM
SA120063	475012	6450000	2127	CATCH DAM
SA120064	475508	6459981	2127	CATCH DAM
SA120065	475992	6459996	2127	CATCH DAM
SA120066	476494	6460032	2127	CATCH DAM
SA120067	477007	6460002	2127	CATCH DAM
SA120068	477505	6460009	2127	CATCH DAM
SA120069	477503	6459506	2127	CATCH DAM
SA120070	477498	6459001	2127	CATCH DAM
SA120071	477505	6458503	2127	CATCH DAM
SA120072	477501	6457993	2127	CATCH DAM
SA120073	477502	6457503	2127	CATCH DAM
SA120074	476992	6457509	2127	CATCH DAM
SA120075	477002	6485001	2127	CATCH DAM
SA120076	477001	6458504	2127	CATCH DAM
SA120077	477000	6459002	2127	CATCH DAM
SA120078	476996	6459492	2127	CATCH DAM
SA120079	476498	6459511	2127	CATCH DAM
SA120080	476503	6458992	2127	CATCH DAM
SA120081	476500	6458497	2127	CATCH DAM
SA120082	476500	6458502	2127	CATCH DAM
SA120083	STD - BLG BLK		2127	CATCH DAM
SA120084	476498	6458006	2127	CATCH DAM
SA120085	476500	6457492	2127	CATCH DAM
SA120086	476002	6457504	2127	CATCH DAM
SA120087	476006	6457993	2127	CATCH DAM
SA120088	476006	6458489	2127	CATCH DAM
SA120089	475502	6458499	2127	CATCH DAM
SA120090	475498	6459009	2127	CATCH DAM
SA120091	476001	6459004	2127	CATCH DAM
SA120092	475984	6459498	2127	CATCH DAM
SA120093	475499	6459515	2127	CATCH DAM
SA120094	471994	6461518	2127	CATCH DAM
SA120095	471998	6462002	2127	CATCH DAM
SA120096	472000	6462507	2127	CATCH DAM
SA120097	472007	6463009	2127	CATCH DAM
SA120098	472499	6462986	2127	CATCH DAM
SA120099	473012	6463014	2127	CATCH DAM
SA120100	473506	6462985	2127	CATCH DAM
SA120101	473989	6462498	2127	CATCH DAM
SA120102	473507	6462492	2127	CATCH DAM
SA120103	473503	6461989	2127	CATCH DAM
SA120104	472999	6461996	2127	CATCH DAM
SA120105	472984	6462507	2127	CATCH DAM
SA120106	472497	6462496	2127	CATCH DAM
SA120107	472500	6461993	2127	CATCH DAM
SA120108	472507	6461510	2127	CATCH DAM
SA120336	Duplicate of	SA120081	2127	CATCH DAM
SA120337	Duplicate of	SA120029	2127	CATCH DAM

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MINERAL CHEMISTRY

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Telephone (08) 8416 5300
Facsimile (08) 8234 0321

Ms Joanne Jackson
MIM Exploration Pty Ltd
13 Maple Ave
FORESTVILLE SA 5035

FINAL ANALYSIS REPORT

Your Order No: SA99JJ26

Our Job Number : 9AD1842

Sample rec'd : 27/07/99

Results reported : 05/08/99

No. of samples : 110

Results apply to sample(s) as submitted by client.

Report comprises a cover sheet and pages: 1 to 3

Approved Signature:

for
Alan Ciplys
Manager - Mineral Chemistry

Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

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Job: 9AD1842
O/N: SA99JJ26

al

ANALYTICAL REPORT

SAMPLE	Au	Cu	Ag
SA120001	0.90	8000	27
SA120002	0.65	5600	21
SA120003	0.85	4500	19
SA120004	0.45	3400	26
SA120005	0.35	3700	63
SA120006	0.70	3500	18
SA120007	0.20	3800	9.0
SA120008	0.75	4400	9.5
SA120009	0.60	4200	12
SA120010	0.35	4600	20
SA120011	0.15	1300	7.0
SA120012	0.75	4100	22
SA120013	1.15	4800	19
SA120014	<0.05	2300	42
SA120015	0.20	4200	16
SA120016	0.20	3700	13
SA120017	0.05	2900	7.5
SA120018	0.30	1600	18
SA120019	0.40	2900	32
SA120020	1.15	5900	11
SA120021	0.55	4900	46
SA120022	1.50	6000	51
SA120023	1.85	4600	12
SA120024	0.75	4800	12
SA120025	1.20	5000	13
SA120026	1.00	4100	16
SA120027	2.05	4800	16
SA120028	0.45	4300	11
SA120029	0.80	5000	17
SA120030	1.05	4500	22
SA120031	0.50	200	5.0
SA120032	1.65	4600	25
SA120033	1.70	5200	50
SA120034	0.95	5300	25
SA120035	2.60	5300	38
SA120036	1.00	6500	15
SA120037	0.65	7000	15
SA120038	1.55	8000	24
SA120039	0.65	4500	44
SA120040	1.60	4800	32
SA120041	2.95	7000	52
SA120042	0.70	3900	31
SA120043	0.75	5600	24
SA120044	1.45	6700	50
SA120045	1.10	4800	33
SA120046	0.55	5000	40
SA120047	0.60	3900	12
SA120048	0.75	4400	31
SA120049	0.50	3700	72
SA120050	0.70	5500	57
UNITS	ppb	ppb	ppb
DET.LIM	0.05	100	0.5
SCHEME	BLEG2	BLEG2	BLEG2

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Job: 9AD1842
O/N: SA99JJ26

al

ANALYTICAL REPORT

SAMPLE	Au	Cu	Ag
SA120051	0.30	4400	16
SA120052	0.45	5300	24
SA120053	1.25	5800	68
SA120054	0.65	5100	54
SA120055	0.50	3500	3.5
SA120056	0.35	2300	8.0
SA120057	0.45	4000	11
SA120058	0.90	3600	6.0
SA120059	0.50	4200	58
SA120060	0.50	2700	36
SA120061	0.85	4500	34
SA120062	0.60	5700	20
SA120063	0.30	4600	27
SA120064	0.50	4000	25
SA120065	0.40	2200	20
SA120066	0.80	4200	22
SA120067	0.50	4200	30
SA120068	0.95	4500	35
SA120069	0.90	5000	32
SA120070	0.95	4300	20
SA120071	0.80	4200	25
SA120072	0.50	3800	33
SA120073	0.70	3600	36
SA120074	0.45	3800	23
SA120075	0.50	3800	47
SA120076	0.50	2400	24
SA120077	0.85	5200	27
SA120078	1.20	5600	23
SA120079	0.70	4100	37
SA120080	0.55	4700	18
SA120081	1.30	5000	26
SA120082	1.30	5200	26
SA120083	0.05	<100	<0.5
SA120084	1.00	4600	19
SA120085	0.80	5000	29
SA120086	0.50	3800	11
SA120087	0.75	3700	31
SA120088	0.95	4000	19
SA120089	0.80	5300	29
SA120090	1.75	4900	18
SA120091	0.50	4100	60
SA120092	1.85	4400	7.5
SA120093	0.10	1300	13
SA120094	0.80	5100	16
SA120095	0.80	4500	7.0
SA120096	0.55	4700	30
SA120097	0.40	3600	21
SA120098	0.40	3400	13
SA120099	0.20	2400	20
SA120100	0.35	4500	13
UNITS	ppb	ppb	ppb
DET.LIM	0.05	100	0.5
SCHEME	BLEG2	BLEG2	BLEG2

amdel

Job: 9AD1842
O/N: SA99JJ26

al

ANALYTICAL REPORT

SAMPLE	Au	Cu	Ag
SA120101	0.65	3600	11
SA120102	1.20	4600	8.5
SA120103	0.80	3300	20
SA120104	0.70	3400	7.0
SA120105	0.65	3900	14
SA120106	0.90	4700	18
SA120107	0.65	3300	13
SA120108	0.50	4500	20
SA120336	1.15	4700	27
SA120337	1.15	5100	13
UNITS	ppb	ppb	ppb
DET.LIM	0.05	100	0.5
SCHEME	BLEG2	BLEG2	BLEG2

Appendix 2

Catch Dam Gravity

Digital Data

AMG E	AMG N	AHD	BG 267	LINE
475610.758	6457611.965	161.375	-9.460	-999
475610.758	6457611.965	161.375	-9.450	-999
475610.758	6457611.965	161.375	-9.440	-999
475610.758	6457611.965	161.375	-9.450	-999
475403.770	6458004.330	160.645	-8.680	001
475403.860	6458004.220	160.647	-8.630	001
475303.280	6458006.190	160.695	-8.740	001
475203.650	6457999.750	160.758	-8.880	001
475102.500	6458001.050	160.702	-9.070	001
475002.860	6458001.140	160.420	-9.570	001
474905.870	6457999.690	160.393	-10.000	001
474803.880	6457998.440	160.450	-10.240	001
474803.970	6457998.550	160.453	-10.230	002
474695.730	6458001.720	160.482	-10.490	001
474602.900	6457999.160	159.310	-10.680	001
474505.060	6457996.590	159.432	-10.890	001
474405.130	6457999.670	159.553	-11.120	001
474303.310	6458004.400	158.180	-11.140	001
474202.730	6458002.490	159.603	-11.300	001
474100.930	6458000.230	159.946	-11.560	001
474003.750	6457999.210	160.021	-11.740	001
473904.580	6457999.630	160.106	-11.810	001
473801.730	6458001.470	160.089	-12.070	001
473703.600	6457999.220	160.150	-12.360	001
473602.550	6458000.290	160.478	-12.250	001
473499.700	6457999.360	160.709	-12.320	001
473400.340	6457999.440	161.049	-12.410	001
473304.760	6458001.960	161.834	-12.270	001
473203.150	6457999.150	162.080	-12.180	001
473102.660	6457996.780	162.243	-12.500	001
473003.490	6457998.290	162.348	-13.100	001
472903.070	6458008.670	162.744	-13.440	001
472802.330	6457997.200	162.996	-13.670	001
472698.910	6458000.810	163.222	-13.940	001
472594.350	6458001.530	163.409	-14.140	001
472501.060	6457995.620	163.439	-14.370	001
472403.020	6457998.910	163.781	-14.650	001
472294.870	6458000.830	164.135	-14.840	001
472200.050	6458002.680	164.435	-14.870	001
472103.910	6457998.430	164.758	-15.040	001
472004.470	6457997.380	164.950	-15.220	001
474799.090	6460102.900	160.210	-11.640	002
474801.320	6460000.710	160.806	-11.520	002
474800.530	6459899.070	161.814	-11.050	002
474799.080	6459798.310	162.854	-10.630	002
474799.040	6459696.330	163.706	-10.130	002
474799.370	6459602.450	164.742	-9.920	002
474799.540	6459496.700	166.256	-9.750	002
474796.100	6459396.710	167.296	-9.870	002
474800.030	6459296.850	167.364	-9.830	002
474800.170	6459200.090	166.383	-9.750	002
474800.030	6459103.210	165.741	-9.580	002

474796.790	6458997.230	165.067	-9.280	002
474798.160	6458901.580	164.526	-9.230	002
474801.530	6458801.830	163.030	-9.150	002
474807.640	6458696.650	156.191	-9.270	002
474797.780	6458596.540	157.440	-9.440	002
474798.670	6458504.540	158.053	-9.900	002
474799.680	6458399.570	158.467	-10.000	002
474799.160	6458304.360	158.922	-10.260	002
474801.310	6458197.730	159.773	-10.350	002
474801.840	6458097.970	160.221	-10.410	002
474799.670	6457903.210	160.516	-10.240	002
474800.310	6457798.910	160.451	-10.680	002
474799.970	6457704.360	160.691	-10.780	002
474801.930	6457599.290	161.132	-10.860	002
474801.890	6457499.640	161.383	-10.930	002
474800.150	6457400.760	161.598	-11.020	002
474802.560	6457303.780	161.850	-11.160	002
474799.600	6457204.340	162.069	-11.290	002
474799.100	6457100.370	162.346	-11.520	002
474802.080	6456998.730	162.572	-11.660	002
474799.770	6456902.850	162.756	-11.650	002
474800.770	6456803.640	162.994	-11.580	002
474798.750	6456702.990	163.329	-11.600	002
474803.720	6456602.910	163.529	-11.640	002
474799.730	6456498.600	163.834	-11.490	002
474803.450	6456403.610	164.131	-11.300	002
474796.060	6456298.410	164.382	-11.080	002
474801.580	6456203.200	164.591	-10.790	002
474798.530	6456099.560	164.931	-10.580	002
474800.950	6455999.690	165.198	-10.870	002
474800.240	6455906.470	165.399	-11.030	002
474801.150	6455803.060	165.676	-11.180	002
474797.640	6455693.750	165.423	-11.270	002
474798.050	6455605.750	165.872	-11.240	002
474799.160	6455499.010	166.131	-11.160	002
474796.670	6455400.680	166.225	-11.160	002
474801.330	6455308.140	166.358	-11.090	002
474801.970	6455201.280	166.598	-11.010	002
474799.860	6455101.300	166.749	-10.880	002
474799.530	6455002.870	166.861	-10.780	002
474798.730	6454906.210	166.606	-10.770	002
474800.310	6454801.580	167.007	-10.830	002
474797.060	6454701.590	167.267	-10.750	002
474797.060	6454701.590	167.299	-10.710	002
474794.570	6454604.150	167.442	-10.720	002
474801.520	6454501.190	167.673	-10.570	002
474802.340	6454399.990	167.857	-10.420	002
474797.950	6454301.990	168.068	-10.230	002
474800.750	6454202.690	168.213	-10.090	002
474800.720	6454099.820	168.374	-10.080	002
474800.110	6453998.950	168.478	-10.120	002
475799.690	6453999.370	166.730	-9.250	003
475796.510	6454105.110	166.742	-9.360	003

475799.960	6454204.100	166.530	-9.440	003
475800.220	6454295.990	166.447	-9.690	003
475798.550	6454402.950	166.482	-9.840	003
475799.080	6454496.170	166.418	-9.930	003
475804.230	6454597.720	166.173	-10.040	003
475799.120	6456998.590	162.217	-9.800	003
475800.210	6456900.380	162.463	-9.950	003
475798.820	6456805.830	162.590	-10.100	003
475798.690	6456703.960	162.666	-10.060	003
475800.430	6456602.990	162.995	-10.010	003
475798.610	6456497.240	163.307	-10.140	003
475800.350	6456399.590	163.341	-10.330	003
475801.150	6456299.940	163.430	-10.490	003
475801.000	6456204.500	163.564	-10.570	003
475799.360	6456099.750	163.697	-10.660	003
475798.920	6456003.430	163.860	-10.570	003
475797.750	6455900.230	164.046	-10.480	003
475800.820	6455799.700	164.081	-10.510	003
475801.620	6455702.830	164.187	-10.580	003
475797.990	6455600.290	164.412	-10.560	003
475797.370	6455500.530	164.760	-10.490	003
475799.210	6455401.660	164.883	-10.470	003
475800.020	6455300.010	164.891	-10.430	003
475799.400	6455202.690	164.652	-10.340	003
475800.580	6455103.820	165.031	-10.330	003
475799.870	6455002.510	165.364	-10.270	003
475799.070	6454900.750	165.646	-10.200	003
475799.230	6454793.010	165.352	-10.070	003
475800.200	6454702.900	165.669	-10.000	003
474801.210	6460197.350	159.745	-11.850	002
474800.300	6460300.760	159.503	-11.610	002
474799.770	6460399.410	159.138	-11.400	002
474803.860	6460504.170	158.875	-11.350	002
474799.270	6460606.130	158.752	-11.670	002
474800.460	6460698.690	158.531	-12.090	002
474795.210	6460797.000	158.116	-12.320	002
474798.920	6460902.750	157.587	-12.610	002
474802.360	6460999.640	157.254	-13.020	002
474801.190	6461093.960	157.203	-13.260	002
474797.900	6461200.580	156.967	-13.430	002
474797.380	6461298.680	156.739	-13.590	002
474797.600	6461401.210	156.463	-13.520	002
474797.550	6461498.640	156.701	-13.130	002
474804.080	6461610.390	156.719	-13.050	002
474800.080	6461696.720	156.609	-13.180	002
474795.870	6461797.580	156.437	-13.410	002
474799.870	6461898.790	156.112	-13.690	002
474798.040	6461991.780	155.841	-13.850	002
475796.110	6461999.950	154.227	-13.000	003
475802.670	6461901.980	154.211	-12.940	003
475796.110	6461801.540	154.089	-12.970	003
475796.440	6461699.670	154.095	-12.980	003
475799.130	6461602.910	154.278	-12.960	003

475798.050	6461499.720	154.330	-12.870	003
475794.410	6461401.390	154.344	-12.850	003
475799.380	6461295.880	154.267	-12.800	003
475802.240	6461204.330	154.264	-12.710	003
475799.460	6461100.020	154.307	-12.530	003
475801.480	6461004.260	154.257	-12.470	003
475795.310	6460898.610	154.499	-11.950	003
475797.130	6460806.170	154.595	-11.600	003
475796.440	6460699.200	154.767	-11.960	003
475799.880	6460602.110	154.945	-12.140	003
475798.790	6460503.240	155.025	-12.130	003
475800.630	6460402.490	155.184	-12.290	003
475801.540	6460300.400	155.056	-12.380	003
475797.890	6460204.850	154.855	-12.250	003
475798.800	6460097.770	155.180	-12.080	003
475797.510	6460003.000	154.454	-11.960	003
475799.740	6459898.040	155.040	-11.730	003
475800.160	6459800.720	155.451	-11.250	003
475798.030	6459705.830	155.287	-11.060	003
475801.390	6459599.650	155.296	-10.660	003
475796.610	6459503.430	155.881	-10.430	003
475798.460	6459402.890	156.193	-10.250	003
475799.450	6459301.810	156.605	-10.260	003
475796.460	6459207.140	157.052	-9.720	003
475800.210	6459098.740	157.597	-8.940	003
475797.330	6458998.310	157.934	-8.500	003
475799.450	6458903.440	158.509	-8.320	003
475799.120	6458800.910	158.912	-8.200	003
475798.880	6458700.590	158.927	-8.210	003
475798.270	6458602.600	159.079	-8.850	003
475800.110	6458502.410	159.193	-9.480	003
475799.210	6458400.870	159.459	-9.590	003
475798.220	6458301.220	159.912	-9.280	003
475802.710	6458198.920	160.299	-8.880	003
475799.730	6458101.820	160.472	-8.360	003
475798.930	6458001.830	160.781	-8.230	003
475799.020	6458001.940	160.752	-8.230	003
475801.050	6457901.300	160.826	-8.280	003
475800.630	6457800.880	160.791	-8.560	003
475799.440	6457703.550	160.862	-8.720	003
475798.650	6457600.130	161.098	-8.990	003
475794.360	6457497.930	161.204	-9.220	003
475800.340	6457403.720	161.385	-9.600	003
475796.520	6457301.180	161.695	-9.710	003
475801.760	6457203.210	161.891	-9.410	003
475800.010	6457101.780	162.045	-9.570	003
475800.010	6457101.780	162.037	-9.560	003
475702.790	6457997.500	160.551	-8.400	001
475598.900	6458000.470	160.578	-8.470	001
475503.410	6458001.460	160.510	-8.600	001
476792.360	6454006.100	166.236	-7.750	004
476796.300	6454100.550	166.069	-7.800	004
476799.290	6454200.420	165.748	-7.730	004

476800.000	6454303.070	165.557	-7.800	004
476799.410	6454394.730	165.401	-7.870	004
476799.550	6454499.370	165.200	-8.000	004
476799.800	6454600.020	164.725	-8.180	004
476799.850	6454700.780	164.839	-8.430	004
476795.400	6454792.540	164.674	-8.660	004
476799.140	6454891.430	164.343	-8.780	004
476797.190	6454998.940	164.589	-8.920	004
476802.820	6455099.820	164.503	-9.220	004
476798.450	6455193.360	164.457	-9.450	004
476799.340	6455300.330	164.294	-9.580	004
476798.360	6455400.860	164.161	-9.670	004
476801.250	6455499.410	163.890	-9.760	004
476796.790	6455593.400	163.768	-9.810	004
476792.960	6455700.020	163.772	-9.850	004
476799.350	6455797.020	163.443	-9.930	004
476795.630	6455896.440	163.395	-9.890	004
476788.020	6456006.490	163.204	-9.800	004
476797.730	6456098.630	162.863	-9.650	004
476803.360	6456197.840	163.083	-9.400	004
476800.880	6456292.280	162.903	-9.210	004
476797.720	6456392.690	162.630	-9.070	004
476797.770	6456498.220	162.460	-9.000	004
476800.380	6456594.320	162.045	-8.960	004
476796.830	6456702.610	162.142	-8.930	004
476798.030	6456799.050	162.171	-8.690	004
476798.080	6456901.250	161.866	-8.450	004
476798.620	6456998.240	161.478	-8.440	004
476804.340	6457097.680	161.098	-8.440	004
476799.010	6457201.970	160.773	-8.080	004
476802.470	6457300.400	160.615	-7.670	004
476799.690	6457400.380	160.451	-7.540	004
476799.370	6457501.360	160.352	-7.490	004
476800.180	6457601.450	160.276	-7.690	004
476803.070	6457699.780	160.000	-8.040	004
476798.230	6457797.860	159.626	-8.390	004
476798.660	6457898.400	159.343	-8.670	004
476794.950	6457994.820	159.400	-8.860	004
476794.950	6457994.820	159.338	-8.890	004
476798.770	6458098.580	159.460	-8.880	004
476799.480	6458203.660	159.597	-8.860	004
476800.970	6458298.330	159.577	-8.870	004
476798.180	6458401.960	159.416	-8.980	004
476801.080	6458500.060	159.041	-9.020	004
476797.180	6458595.160	158.805	-9.040	004
476798.560	6458694.250	158.544	-9.200	004
476795.390	6458800.320	158.306	-9.350	004
476797.150	6458899.530	158.685	-9.480	004
476798.060	6458997.300	158.443	-9.460	004
476800.480	6459099.500	158.320	-9.540	004
476797.990	6459195.710	158.050	-9.650	004
476799.090	6459296.470	157.808	-9.770	004
476798.390	6459396.340	157.427	-10.160	004

476799.860	6459496.760	157.075	-10.690	004
476800.490	6459596.410	156.763	-11.160	004
476801.490	6459697.060	156.482	-11.420	004
476799.190	6459794.490	156.181	-11.490	004
476801.140	6459894.030	155.783	-11.510	004
476801.470	6459997.780	155.330	-11.430	004
476800.760	6460100.860	154.965	-11.510	004
476798.860	6460192.970	154.744	-11.650	004
476798.440	6460295.170	154.481	-11.790	004
476801.040	6460397.370	154.209	-11.880	004
476801.570	6460494.910	153.938	-11.870	004
476800.210	6460597.990	153.773	-11.900	004
476801.500	6460694.210	153.449	-11.930	004
476799.370	6460800.610	153.141	-12.030	004
476799.440	6460897.710	152.713	-12.040	004
476799.680	6461000.020	152.245	-12.080	004
476799.640	6461100.110	152.134	-12.260	004
476798.570	6461195.320	151.929	-12.320	004
476798.430	6461300.070	151.686	-12.420	004
476803.310	6461398.070	151.347	-12.480	004
476799.120	6461498.700	151.557	-12.460	004
476798.330	6461597.020	151.432	-12.530	004
476802.350	6461696.790	151.488	-12.620	004
476800.140	6461797.540	151.604	-12.640	004
476800.100	6461898.180	151.787	-12.630	004
476799.600	6461994.390	151.850	-12.670	004
479997.510	6458002.450	157.893	-8.260	001
479902.410	6457999.610	157.676	-8.250	001
479803.060	6457997.750	158.418	-8.360	001
479703.700	6457999.100	158.009	-8.500	001
479600.380	6457999.790	157.865	-8.650	001
479501.780	6457996.820	157.816	-8.760	001
479401.760	6457999.610	158.540	-8.840	001
479297.990	6457990.090	157.907	-8.910	001
479199.860	6457992.890	157.336	-9.010	001
479101.720	6457996.790	157.282	-9.140	001
479006.990	6457998.810	157.333	-9.150	001
478902.820	6457999.710	157.319	-9.260	001
478802.710	6457997.060	157.319	-9.290	001
478700.620	6457999.070	156.190	-9.270	001
478599.210	6457985.440	157.462	-9.260	001
478500.030	6457995.100	156.922	-9.210	001
478402.370	6457998.440	157.422	-9.240	001
478300.930	6457998.340	158.309	-9.260	001
478204.320	6457995.480	158.853	-9.210	001
478099.390	6458001.240	159.168	-9.060	001
478001.640	6458001.800	159.233	-8.990	001
477902.390	6457995.830	159.338	-8.880	001
477802.560	6457998.490	159.214	-8.670	001
477705.090	6457999.280	159.098	-8.510	001
477601.670	6457998.940	159.074	-8.610	001
477502.510	6457998.620	159.071	-8.760	001
477406.080	6457999.290	158.965	-8.990	001

477303.310	6458004.270	158.850	-8.980	001
477201.420	6457999.390	158.875	-8.960	001
477103.860	6457998.730	158.888	-8.960	001
476999.500	6457998.060	158.708	-8.880	001
476900.810	6457996.280	158.738	-8.820	001
476698.510	6457998.150	159.769	-8.900	001
476601.890	6458001.260	159.892	-8.980	001
476501.980	6457998.040	160.032	-9.080	001
476397.620	6457997.240	160.116	-9.000	001
476302.790	6458000.130	160.316	-9.050	001
476201.730	6458001.000	160.448	-9.040	001
476100.390	6458000.660	160.513	-9.030	001
476002.460	6457997.770	160.581	-8.600	001
475903.480	6457999.420	160.665	-8.200	001

Appendix 3

Lithological Codes and Descriptors

LITHOLOGIES AND COMMON MINERALS
used by MIMEX Adelaide, based on AGSO codes

I IGNEOUS LITHOLOGIES

ADS	adakite	LPY	lamprophyre
ANT	andesite	LTT	latite
ANS	anorthosite	MAF	mafic
APL	aplite	MCH	meimechite
ASH	ash	MLT	melilitite
BLT	basalt	MLL	melilitolite
BSN	basanite	MZB	monzogabbro
BON	boninite	MZT	monzonite
CBT	carbonatite	OBS	obsidian
CHR	charnockite	OPL	ophiolite
CHT	chromitite	PEG	pegmatite
DAC	dacite	PER	peridotite
DOL	dolerite	PNT	phonolite
DRT	diorite	PCT	picrite
EPC	epiclastic	PHY	porphyry
FLS	felsic	PYC	pyroclastic
FNT	fenite	PRX	pyroxenite
FDT	foidite	QZG	quartz-rich grtd
FDL	foidolite	RHY	rhyolite
GAB	gabbro	SPL	spilite
GRT	granite	SYN	syenite
GRD	granodiorite	TPH	tephra
GRP	granophyre	TPT	tephrite
HBT	hornblendite	TNL	tonalite
KBL	kimberlite	TRC	trachyte
KTT	komatiite	TUF	tuff
LPR	lamproite	UM	ultra mafic

M METAMORPHIC LITHOLOGIES

ALB	albitite	MIG	migmatite
AMP	amphibolite	MYL	mylonite
CSIL	calc-silicate	PEL	pelite
EGL	eclogite	PHL	phyllite
GNS	gneiss	PSM	Psammite
GFL	granofels	QZT	quartzite
GRN	granulite	RUD	Rudite
GST	greenstone	SCH	schist
GRS	greisen	SRP	serpentinite
HFL	hornfels	SKN	skarn
MBL	marble	SLA	slate
MTS	metasomatite		

MISCELLANEOUS

BX	breccia	N/S	no sample
FA	fault	VEIN	vein

S SEDIMENTARY LITHOLOGIES

AGLS	algal limestone
ARNT	arenite
AGLT	argillite
ARKS	arkose
BHRK	beachrock
BIOC	biocarbonate
BIOM	biomicrite
BIOS	biosparite
BNBD	bone bed
BLD	boulder
BDST	boundstone
BX	breccia
CBNR	carbonaceous rock
CBRK	carbonate rock
CRNL	carnieule
CHLK	chalk
CHRK	chemical rock
CHRT	chert
CLRK	clastic rock
SDMT	clastic sediment
CLY	clay
CLST	claystone
CNGL	conglomerate
CQNA	coquina
DMCT	diamictite
DTMT	diatomite
DOLL	dolomitic limestone
DLST	dolostone
EVPT	evaporite
FGLT	fanglomerate
FLNT	flint
GYST	geyserite
GNST	grainstone
GPST	grapestone
GVL	gravel
GYWK	greywacke
GUN	guano
GYT	gyttja
IRFM	iron formation
IRST	ironstone
LMST	limestone
LOM	loam
LOS	loess
MARL	marl
MCRT	micrite
MXLL	microxtalline
MUD	mud
MDST	mudstone
NVLT	novaculite
OLTL	oolitic limestone
OOZ	ooze
ORSD	organic sediment
PBL	pebble
PELT	pelite
PHSP	phosphorite
PCLN	porcellanite
PSMT	psammite
RDLT	radiolarite
RCL	residual clay
SND	sand
SDST	sandstone
SRLT	saprolite
SHLE	shale
SHG	shingle
SLT	silt
SLST	siltstone
SPGT	sparagmite
TLL	till
TLLT	tillite
TLLD	tilloid
TRVN	travertine
TBDT	turbidite

R REGOLTIH

ALV	alluvium
BAU	bauxite
CLC	calcrete
CLY	clay
COV	cover
FER	ferricrete
GVL	gravel
GRU	grus
GOS	gossan
LAT	laterite
SIL	silcrete
SOL	soil

MI COMMON ROCK FORMING MINERALS

ACT	Actinolite	FSPD	Feldspathoid	PGT	Pigeonite
AB	Albite	FL	Fluorite	PL	Plagioclase
ALM	Almandine	GN	Galena	PRH	Prehnite
AMPH	Amphibole	GNT	Garnet	PMP	Pumpellyite
AND	Andalusite	GLT	Glauconite	PY	Pyrite
ADS	Andesine	GLN	Glaucophane	PRP	Pyrope
AN	Anorthite	GT	Goethite	PRL	Pyrophyllite
ANR	Anorthoclase	GR	Graphite	PYRX	Pyroxene
AP	Apatite	GRS	Grossular	PO	Pyrrhotite
APY	Arsenopyrite	GP	Gypsum	QZ	Quartz
AUG	Augite	HL	Halite	RT	Rutile
AZ	Azurite	HEM	Hematite	SA	Sanidine
BRT	Barite	HBL	Hornblende	SCH	Scheelite
BRL	Beryl	ILL	Illite	SRL	Schorl
BT	Biotite	ILM	Ilmenite	SERC	Sericite
BN	Bornite	JD	Jadeite	SERP	Serpentine
BTW	Bytownite	KFS	K-feldspar	SD	Siderite
CAL	Calcite	KLN	Kaolinite	SIL	Sillimanite
CARB	Carbonate	KY	Kyanite	SPS	Spessartine
CST	Cassiterite	LAB	Labradorite	SP	Sphalerite
CC	Chalcocite	LMT	Laumontite	SPL	Spinel
CCP	Chalcopyrite	LWS	Lawsonite	ST	Staurolite
CL	Chlorite	LCT	Leucite	STB	Stibnite
CLD	Chloritoid	MGS	Magnesite	STP	Stilpnomelane
CHR	Chromite	MGT	Magnetite	TLC	Talc
CIN	Cinnabar	MAL	Malachite	TTN	Titanite
CLAY	Clay mineral	MCS	Marcasite	TOZ	Topaz
CAMP	Clino-amphibole	MICA	Mica	TOUR	Tourmaline
CPX	Clinopyroxene	MC	Microcline	TR	Tremolite
CZO	Clinozoisite	MOL	Molybdenite	TRD	Tridymite
CRD	Cordierite	MNZ	Monazite	USP	Ulvospinel
COR	Corundum	MNT	Montmorillonite	VRM	Vermiculite
CV	Covellite	MS	Muscovite	VES	Vesuvianite
CRS	Cristobalite	NE	Nepheline	ZEOL	Zeolite
CUM	Cummingtonite	OGC	Oligoclase	ZRN	Zircon
CUP	Cuprite	OL	Olivine		
DMD	Diamond	OPL	Opal		
DI	Diopside	OPQ	Opaque Mineral		
DOL	Dolomite	OAMP	Orthoamphibole		
EN	Enstatite	OR	Orthoclase		
EP	Epidote	OPX	Orthopyroxene		
FA	Fayalite	PHL	Phlogopite		
FELD	Feldspar	PHOS	Phosphate		

DESCRIPTORS

used by MIMEX Adelaided, based on AGSO codes

ALT	ALTERATION
AB	albitic
AL	alunitic
AR	argillic
CA	carbonate
CL	chloritic
EP	epidotised
GR	greisen
HM	hematitic
KA	kaolinitic
PO	potassic
PR	propylitic
PY	pyritic
SE	sericitic
SP	serpentinised
SI	silicified
SK	skarn
ZE	zeolitic

COL	COLOUR
BK	black
BL	blue
BR	brown
BU	buff
CH	chocolate
CR	cream
FA	fawn
GR	green
GY	grey
IR	iridescent
KH	khaki
MA	maroon
MO	mottled
OL	olive
OR	orange
PI	pink
PU	purple
RE	red
VC	varicoloured
VG	variegated
VI	violet
WH	white
YE	yellow

BED	BEDDING THICKNESS
LA	laminated (<10 mm)
VTN	very thin (10-30 mm)
TN	thin (30-100 mm)
ME	medium (100-300 mm)
TK	thick (300-1000 mm)
VTK	very thick (>1000 mm)

COH	COHERENCE
CP	compact
CON	consolidated
FI	fissle
FR	friable
HD	hard
IN	indurated
PO	porous
UN	unconsolidated

WEA	WEATHERING
W	fully weathered (QZ only)
PW	partly weathered (incl FS)
SW	slightly weathered
F	fresh (incl micas)
TX	Transported

SPH	SPHERICITY
VA	very angular
ANG	angular
SA	sub-angular
SR	sub-rounded
RO	rounded
WR	well-rounded

GS	GRAIN SIZE
VC	very coarse > 20 mm
C	coarse 2 - 20 mm
M	medium 0.5 - 2 mm
F	fine 0.1 - 0.5 mm
VF	very fine < 0.1 mm

Q	LITHOLOGY QUALIFIERS		
ADC	adcumulate	MAF	mafic
ALK	alkali	MGS	magnesian
AMG	amygdaloidal	MAG	magnetite
ARE	arenaceous	MK	medium-K
ARG	argillic	MCC	melanocratic
BAS	basic	MCL	mesocumulate
BTM	bitumenous	MET	meta
BD	bouldery	MIC	micaceous
BXD	brecciated	MDY	muddy
CS	calc-silicate	MYL	mylonitic
CAL	calcareous	ORT	ortho
CLC	calcic	OCL	orthocumulate
CAR	carbonaceous	PAR	para
CHY	cherty	PBY	pebbly
CLT	chloritic	PEL	pelitic
CGC	conglomeratic	PHC	phosphatic
XL	crystal	PCR	picro
CUM	cumulate	POIK	poikilitic
DIA	diapiric	PLY	polymict
DMT	dolomitic	PRS	poorly sorted
EUT	eutaxitic	POR	porous
EXV	extrusive	PORP	porphyritic
FEL	feldspathic	POT	potassic
FOI	feldspathoidal	PSC	psammitic
FLS	felsic	PYR	pyritic
FER	ferruginous	QF	quartzo-feldspathic
FIA	fiamme	RYM	rhythmic-layered
FOL	foliated	SDY	sandy
GSY	glassy	SER	sericitic
GPT	graphitic	SIL	siliceous
GTY	gritty	SLF	silicified
HEM	hematitic	SLY	silty
HK	high-K	SDC	sodic
HM	high-Mg	SUL	sulphidic
ITM	intermediate	TPI	tephri
ITV	intrusive	THL	tholeiitic
LMN	laminated	TCY	trachy
LPL	lapilli	TFC	tuffaceous
LAY	layered	UB	ultrabasic
LEA	leached	UM	ultramafic
LCC	leucocratic	UNW	unwelded
LTH	lithic	VTR	vitric
LK	low-K	WEL	welded

ITX	IG TEXTURES
AM	amorphous
AMY	amygdaloidal
APH	aphanitic
APHY	aphyric
AB	autobrecciated
CON	conchoidal
CX	cryptocrystalline
DV	devitrified
EQ	equigranular
EU	eutaxitic
FB	flow banded
FR	fragmental
GL	glassy
GR	granophyric
GM	groundmass
MEG	megacryst
MX	microcrystalline
PI	pillows
POR	porphyritic
RL	rythmically layered
SER	seriate
SPH	spherulitic
SPX	spinifex
VE	vesicular
VI	vitric
VU	vuggy
XC	xenocrystic
XL	xenolithic

MTX	MET TEXTURES
BA	banded
BR	brecciated
BK	broken
GN	gneissic
MIG	migmatitic
POB	porphyroblastic
PS	pseudomorph
RX	recrystallised
SA	saccharoidal
SCH	schistose

TEC	TECT FEATURES
BOU	boudinaged
BR	brecciated
CAT	cataclastic
CLV	cleaved
CT	contorted
CR	crenulated
FA	faulted
FD	folded
FO	foliated
FR	fractured
JO	joint
KI	kink
LI	lineated
MU	mullions
MY	mylonitic
SH	sheared
SL	slickensided
ST	stylolitised
VN	vein
VER	vergence

STX	SED TEXTURES
BR	breccia
CEM	cemented
GP	geopetal
MIC	micritic
ON	oncolitic
OO	oolitic
PE	peloidal
PIS	pisolitic

Appendix 4

Aircore Drilling

Drilling Summary, Logs and Assay Results

MIM EXPLORATION
Drilling Statistics

Hole	Prospect	E.L.	AMG East	AMG North	AMG Azim.	Incl.	OHP	RCP	Aircore	NQ	Total Depth	Sample No's	Standards	Duplicates	Depth
CD1	CATCH DAM	2127	474800	6460500		-90			8		8	117999 - 118000			
CD2	CATCH DAM	2127	474800	6460300		-90			21		21	118001 - 118006			
CD3	CATCH DAM	2127	474800	6460100		-90			24		24	118007 - 118012			
CD4	CATCH DAM	2127	474800	6459900		-90			16		16	118013 - 118016	118017 = 42P	118016	12~16
CD5	CATCH DAM	2127	474800	6459700		-90			4		4	118018			
CD6	CATCH DAM	2127	474800	6459500		-90			4.5		4.5	118019 - 118020			
CD7	CATCH DAM	2127	474800	6459300		-90			24		24	118021 - 118026			
CD8	CATCH DAM	2127	474800	6459100		-90			5		5	118027 - 118028			
CD9	CATCH DAM	2127	474800	6458900		-90			19.5		19.5	118029 - 118033			
CD10	CATCH DAM	2127	474800	6458600		-90			10		10	118034 - 118036			
CD11	CATCH DAM	2127	474800	6458400		-90			38		38	118037 - 118046			
CD12	CATCH DAM	2127	474800	6458200		-90			60		60	118047 - 118061			
CD13	CATCH DAM	2127	474800	6458000		-90			9		9	118062 - 118064			
CD14	CATCH DAM	2127	474800	6457980		-90			60		60	118065 - 118079	118080 = ISABM02	118079	56 - 60
CD15	CATCH DAM	2127	475800	6459700		-90			30		30	118081 - 118088			
CD16	CATCH DAM	2127	475800	6459500		-90			60		60	118089 - 118103			
CD17	CATCH DAM	2127	475800	6459300		-90			60		60	118104 - 118118			
CD18	CATCH DAM	2127	475800	6459100		-90			26		26	118119 - 118125			
CD19	CATCH DAM	2127	475800	6458900		-90			3.5		3.5	118126			
CD20	CATCH DAM	2127	475800	6458700		-90			15		15	118127 - 118130			
CD21	CATCH DAM	2127	475800	6458500		-90			27		27	118131 - 118137	118138 = 43P	118137	24 - 27
CD22	CATCH DAM	2127	475800	6458300		-90			36		36	118139 - 118147			
CD23	CATCH DAM	2127	475800	6458100		-90			15		15	118148 - 118151			
CD24	CATCH DAM	2127	475800	6458000		-90			11		11	118152 - 118154			
CD25	CATCH DAM	2127	475800	6457800		-90			25		25	118155 - 118161			
CD26	CATCH DAM	2127	475800	6457600		-90			60		60	118162 - 118176			
CD27	CATCH DAM	2127	475800	6457400		-90			21		21	118177 - 118182			
CD28	CATCH DAM	2127	475800	6457390		-90			32.5		32.5	118183 - 118191			
CD29	CATCH DAM	2127	475800	6457200		-90			24		24	118192 - 118197			
						Total			749.0		**749**				

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**26.8.99**	**Geologist: JMJ**	**Hole: CD1**
AMG N:	**6 450 500**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 8m**
	Sample Batch: SA99JJ43								**Surface:** Very flat, distal colluvial surface.					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA117999	0	1			OR	OR			ALV	F					QZ Sand CLY	
	SA117999	1	2			OR	OR			ALV	F					QZ Sand CLY	
	SA117999	2	3			OR	OR			ALV	F					QZ Sand CLY	
	SA117999	3	4			OR	OR			ALV	F					QZ Sand CLY	
	SA118000	4	5			CR	OR	CR		ALV	F					QZ Sand CLY	
	SA118000	5	6			CR	OR	CR		ALV	F					QZ Sand CLY	
	SA118000	6	7			CR	OR	CR		CLY	M					CLY QZ	
	SA118000	7	8			CR	OR	CR		CLY	M	SLF FER				CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD2**
AMG N:	**6 460 300**						**AMG E:**	**474 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 21m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118001	0	1			RE	RE			ALV	F					QZ Sand CLY	Puggy Clay is difficult to drill and keeps
	SA118001	1	2			RE	RE			ALV	F					QZ Sand CLY	blocking the rods to 6m
	SA118001	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118001	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118002	4	5			RE	RE			ALV	F					QZ Sand CLY	
	SA118002	5	6			CR	RE			ALV	F					QZ Sand CLY	
	SA118002	6	7			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118002	7	8			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118003	8	9			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118003	9	10			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118003	10	11			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118003	11	12			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118004	12	13			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118004	13	14			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118004	14	15			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118004	15	16			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118005	16	17			CR	CR	GY		SCH	M	QZ VN				FELD QZ BT CLY	
	SA118005	17	18			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118005	18	19			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118006	19	20			CR	CR	GY		SCH	M					FELD QZ BT CLY	
	SA118006	20	21			GY	CR	GY		SCH	M	QZ VN				FELD QZ BT	Biotite Schist
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**							**Tenement:**	**2127**				**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD3**
AMG N:	**6 460 100**						**AMG E:**		**474 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 24m**
	Sample Batch: SA99JJ43									**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118007	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118007	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118007	2	3			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118007	3	4			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118008	4	5			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118008	5	6			CR	CR	CL		CLY	M					CLY QZ	
	SA118008	6	7			CR	CR	CL		CLY	M					CLY QZ FELD	
	SA118008	7	8			CR	CR	CL		CLY	M					CLY QZ FELD	
	SA118009	8	9			CR	CR	CL		CLY	M					CLY QZ FELD	
	SA118009	9	10			CR	CR	CL		CLY	M					CLY QZ FELD	
	SA118009	10	11			CR	CR	CL		CLY	M					CLY QZ FELD MICA	
	SA118009	11	12			WH	CR	CL		CLY	M					CLY QZ FELD MICA	
	SA118010	12	13			CR	CR	GY		GNS	F					FELD QZ MICA	
	SA118010	13	14			CR	CR	GY		GNS	F					FELD QZ MICA	
	SA118010	14	15			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118010	15	16			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118011	16	17			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118011	17	18			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118011	18	19			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118011	19	20			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118012	20	21			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118012	21	22			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118012	22	23			CR	CR	CL		GNS	M					FELD QZ BT	
	SA118012	23	24			CR	CR	CL		GNS	M					FELD QZ BT	Slow drilling => "sandy"
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**			**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD4**	
AMG N:	**6 459 900**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 16m**	
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118013	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118013	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118013	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118013	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118014	4	5			CR	RE	CR		ALV	F					QZ Sand CLY	
	SA118014	5	6			CR	RE	CR		ALV	F					QZ Sand CLY	
	SA118014	6	7			CR	CR	GY		CLY	F					CLY QZ MGT	
	SA118014	7	8			CR	CR	GY		SCH	F	MS				QZ FELD MS MGT	Muscovite Schist
	SA118015	8	9			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118015	9	10			CR	CR	GY		ALB	F	QZ VN				FELD QZ MGT	
	SA118015	10	11			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118015	11	12			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118016	12	13			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118016	13	14			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118016	14	15			CR	CR	GY		ALB	F					FELD QZ MGT	
	SA118016	15	16			CR	CR	GY		ALB	F					FELD QZ MGT	
Duplicates	SA118016 - SA118198																Water Table:
Standard:	SA118017				Standard Type:		Oreas 42P										

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**26.8.99**	**Geologist: JMJ**	**Hole: CD5**
AMG N:	**6 459 700**						**AMG E:**	**474 800**				**Incl: -90**		**AMG Azm: -**	**E.O.H.: 4m**
	Sample Batch: SA99JJ43								**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118018	0	1			OR	OR			ALV	F					QZ Sand	
	SA118018	1	2			OR	OR	CR		ALV	F					QZ Sand	
	SA118018	2	3			PU	OR	GY		GRT	C					FELD QZ BT MGT	
	SA118018	3	4			GY	CR	GY		GNS	F					FELD QZ BT MGT	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**			**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD6**	
AMG N:	**6 459 500**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 4.5m**	
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118019	0	1			OR	OR			CLV	F					QZ Sand	
	SA118019	1	2			CR	OR	CR		GNS	M					QZ FELD BT	
	SA118019	2	3			CR	OR	CR		GNS	M					QZ FELD BT	
	SA118020	3	4			CR	CL	GY		GNS	M	QZ VN				QZ	
	SA118020	4	4.5			GY	CR	GY		GNS	M					FELD QZ BT CL	Partial melt => Migmatite
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**26.8.99**	**Geologist: JMJ**	**Hole: CD7**
AMG N:	**6 459 300**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 24m**
	Sample Batch: SA99JJ43								**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118021	0	1			OR	OR			CLV	F					QZ Sand	Quartz float
	SA118021	1	2			OR	OR			CLV	F					QZ Sand	
	SA118021	2	3			RE	OR			CLV	F					QZ Sand	
	SA118021	3	4			RE	RE	CR		CLY	M					CLY QZ FELD MICA	
	SA118022	4	5			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118022	5	6			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118022	6	7			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118022	7	8			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118023	8	9			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118023	9	10			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118023	10	11			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118023	11	12			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118024	12	13			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118024	13	14			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118024	14	15			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118024	15	16			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118025	16	17			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118025	17	18			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118025	18	19			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118025	19	20			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118026	20	21			RE	CR	RE		CLY	M					CLY QZ FELD MICA	
	SA118026	21	22			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118026	22	23			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118026	23	24			GY	CR	GY		GNS	M					FELD QZ MICA	Fe replacement of mineral (Magnetite?)
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**			**Date:**	**26.8.99**		**Geologist: JMJ**		**Hole: CD8**
AMG N:	**6 459 100**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**		**E.O.H.: 5m**
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118027	0	1			RE				CLV	F					QZ Sand	
	SA118027	1	2			CR				GNS	M					QZ FELD MGT	Fe altered - Magnetite
	SA118027	2	3			RE				GNS	M					QZ FELD MGT	
	SA118028	3	4			RE				GNS	M					QZ FELD MGT	
	SA118028	4	5			RE				GNS	M	QZ VN				QZ FELD MGT	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**			**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD9**	
AMG N:	**6 458 900**						**AMG E:**	**474 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 19.5m**	
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118029	0	1			OR	RE	CR		CLV	F					QZ Sand	
	SA118029	1	2			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118029	2	3			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118029	3	4			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118030	4	5			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118030	5	6			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118030	6	7			CR	CR	GY		GNS	M					FELD QZ MICA	
	SA118030	7	8			RE	RE	GY		GNS	M	FER				FELD QZ MICA	
	SA118031	8	9			RE	RE	GY		GNS	M	FER				FELD QZ MICA	
	SA118031	9	10			RE	RE	GY		GNS	M	FER				FELD QZ MICA	
	SA118031	10	11			RE	RE	GY		GNS	M	FER				FELD QZ MICA	
	SA118031	11	12			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118032	12	13			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118032	13	14			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118032	14	15			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118032	15	16			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118033	16	17			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118033	17	18			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118033	18	19			GY	CR	GY		GNS	M					FELD QZ MICA	
	SA118033	19	19.5			GY	CR	GY		GNS	M					FELD QZ MICA	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**26.8.99**		**Geologist: JMJ**	**Hole: CD10**
AMG N:	**6 458 600**						**AMG E:**	**474 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 10m**
	Sample Batch: SA99JJ43								**Surface:** 30m from large, sandy creek.						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118034	0	1			RE	RE			ALV	F					QZ Sand	Poorly sorted Alluvium
	SA118034	1	2			RE	RE			ALV	C					QZ Sand	
	SA118034	2	3			CR	CR	BR		CLY	M					CLY QZ FELD	
	SA118034	3	4			CR	CR	BR		CLY	M					CLY QZ FELD	
	SA118035	4	5			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118035	5	6			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118035	6	7			BR	CR	BR		GNS	M					FELD QZ MICA	
	SA118035	7	8			OL	CR	BR		GNS	M					FELD QZ MICA	
	SA118036	8	9			OL	CR	BR		GNS	M					FELD QZ MICA	
	SA118036	9	10			OL	CR	BR		GNS	M					FELD QZ MICA	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**27.8.99**		**Geologist: JMJ**	**Hole: CD11**
AMG N:	**6 458 400**						**AMG E:**	**474 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 38m**
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118037	0	1			RE	RE			ALV	F					QZ Sand	
	SA118037	1	2			RE	RE			ALV	F					QZ Sand	
	SA118038	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118038	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118038	4	5			RE	RE			CLY	M					CLY QZ	
	SA118038	5	6			RE	CR	RE		CLY	M					CLY QZ	
	SA118039	6	7			RE	CR	RE		CLY	M					CLY QZ	
	SA118039	7	8			RE	CR	RE		CLY	M					CLY QZ	
	SA118039	8	9			OR	CR	RE		CLY	M					CLY QZ	
	SA118039	9	10			OR	CR	RE		CLY	M					CLY QZ	
	SA118040	10	11			CR	CR	RE		CLY	M					CLY QZ	
	SA118040	11	12			CR	CR	RE		CLY	M					CLY QZ	
	SA118040	12	13			RE	CR	RE		CLY	M					CLY QZ	
	SA118040	13	14			RE	CR	RE		CLY	M					CLY QZ	
	SA118041	14	15			RE	CR	RE		CLY	M					CLY QZ	
	SA118041	15	16			OR	CR	RE		CLY	M					CLY QZ	
	SA118041	16	17			OR	CR	RE		CLY	M					CLY QZ	
	SA118041	17	18			OR	CR	RE		CLY	M					CLY QZ	
	SA118042	18	19			OR	CR	RE		CLY	M					CLY QZ	
	SA118042	19	20			CR	CR	RE		CLY	M					CLY QZ	
	SA118042	20	21			RE	CR	RE		CLY	M					CLY QZ	
	SA118042	21	22			RE	CR	RE		CLY	M					CLY QZ	
	SA118043	22	23			RE	CR	RE		CLY	M					CLY QZ	
	SA118043	23	24			RE	CR	RE		CLY	M					CLY QZ	
	SA118043	24	25			RE	CR	RE		CLY	M					CLY QZ	
	SA118043	25	26			OR	CR	RE		CLY	M					CLY QZ	
	SA118044	26	27			RE	CR	RE		CLY	M					CLY QZ	
	SA118044	27	28			RE	CR	RE		CLY	M					CLY QZ	
	SA118044	28	29			RE	CR	RE		CLY	M					CLY QZ	
	SA118044	29	30			RE	CR	RE		CLY	M					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**							**Tenement:**	**2127**			**Date:**	**27.8.99**		**Geologist: JMJ**	**Hole: CD11**
AMG N:	**6 458 400**						**AMG E:**	**474 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 38m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118045	30	31			CR	CR	RE		CLY	M					CLY QZ	
	SA118045	31	32			RE	CR	RE		CLY	M					CLY QZ	
	SA118045	32	33			CR	CR	CL		CLY	M					CLY QZ	
	SA118045	33	34			CR	CR	CL		CLY	M					CLY QZ	
	SA118046	34	35			CR	CR	CL		CLY	M					CLY QZ	
	SA118046	35	36			CR	CR	CL		CLY	M					CLY QZ MICA	
	SA118046	36	37			CR	CR	CL		CLY	M					CLY QZ FELD MICA	
	SA118046	37	38			CR	CR	CL		CLY	M					FELD QZ MICA CLY	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**27.8.99**		**Geologist: JMJ**	**Hole: CD12**
AMG N:	**6 458 200**						**AMG E:**	**474 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118047	0	1			RE	RE			ALV	F					QZ Sand	
	SA118047	1	2			RE	RE			ALV	F					QZ Sand	
	SA118047	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118047	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118048	4	5			RE	CR	RE		CLY	M					CLY QZ	
	SA118048	5	6			RE	CR	RE		CLY	M					CLY QZ	
	SA118048	6	7			RE	CR	RE		CLY	M					CLY QZ	
	SA118048	7	8			RE	CR	RE		CLY	M					CLY QZ	
	SA118049	8	9			RE	CR	RE		CLY	M					CLY QZ	
	SA118049	9	10			RE	CR	RE		CLY	M					CLY QZ	
	SA118049	10	11			RE	CR	RE		CLY	M					CLY QZ	
	SA118049	11	12			RE	CR	RE		CLY	M					CLY QZ	
	SA118050	12	13			RE	CR	RE		CLY	M					CLY QZ	
	SA118050	13	14			RE	CR	RE		CLY	M					CLY QZ	
	SA118050	14	15			RE	CR	RE		CLY	M					CLY QZ	
	SA118050	15	16			RE	CR	RE		CLY	M					CLY QZ	
	SA118051	16	17			RE	CR	RE		CLY	M					CLY QZ	
	SA118051	17	18			RE	CR	RE		CLY	M					CLY QZ	
	SA118051	18	19			RE	CR	RE		CLY	M					CLY QZ	
	SA118051	19	20			RE	CR	RE		CLY	M					CLY QZ	
	SA118052	20	21			RE	CR	RE		CLY	M					CLY QZ	
	SA118052	21	22			RE	CR	RE		CLY	M					CLY QZ	
	SA118052	22	23			RE	CR	RE		CLY	M					CLY QZ	
	SA118052	23	24			RE	CR	RE		CLY	M					CLY QZ	
	SA118053	24	25			RE	CR	RE		CLY	M					CLY QZ	
	SA118053	25	26			PU	CR	RE		CLY	M					CLY QZ	
	SA118053	26	27			PU	CR	RE		CLY	M					CLY QZ	
	SA118053	27	28			PU	CR	RE		CLY	M					CLY QZ	
	SA118054	28	29			PU	CR	RE		CLY	M					CLY QZ	
	SA118054	29	30			PU	CR	RE		CLY	M					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**27.8.99**		**Geologist: JMJ**	**Hole: CD12**
AMG N:	**6 458 200**						**AMG E:**	**474 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43									**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118054	30	31			PU	CR	RE		CLY	M					CLY QZ	
	SA118054	31	32			PU	CR	RE		CLY	M					CLY QZ	
	SA118055	32	33			PU	CR	RE		CLY	M					CLY QZ	
	SA118055	33	34			PU	CR	RE		CLY	M					CLY QZ	
	SA118055	34	35			PU	CR	RE		CLY	M					CLY QZ	
	SA118055	35	36			PU	CR	RE		CLY	M					CLY QZ	
	SA118056	36	37			OR	CR	RE		CLY	M					CLY QZ	
	SA118056	37	38			OR	CR	RE		CLY	M					CLY QZ	
	SA118056	38	39			OR	CR	RE		CLY	M					CLY QZ	
	SA118056	39	40			OR	CR	RE		CLY	M					CLY QZ	
	SA118057	40	41			CR	CR	RE		CLY	M					CLY QZ	
	SA118057	41	42			CR	CR	RE		CLY	M					CLY QZ	
	SA118057	42	43			CR	CR	RE		CLY	M					CLY QZ	
	SA118057	43	44			CR	CR	RE		CLY	M					CLY QZ	
	SA118058	44	45			WH	CR	RE		CLY	M					CLY QZ	
	SA118058	45	46			WH	CR	RE		CLY	M					CLY QZ	
	SA118058	46	47			OR	CR	RE		CLY	M					CLY QZ	
	SA118058	47	48			PI	CR	RE		CLY	M					CLY QZ	
	SA118059	48	49			RE	CR	RE		CLY	M					CLY QZ	
	SA118059	49	50			OR	CR	RE		CLY	M					CLY QZ	
	SA118059	50	51			CR	CR	RE		CLY	M					CLY QZ	
	SA118059	51	52			RE	CR	RE		CLY	M					CLY QZ	
	SA118060	52	53			RE	CR	RE		CLY	M					CLY QZ	
	SA118060	53	54			RE	CR	RE		CLY	M					CLY QZ	
	SA118060	54	55			RE	CR	RE		CLY	M					CLY QZ	
	SA118060	55	56			RE	CR	RE		CLY	M					CLY QZ	
	SA118061	56	57			CR	CR	RE		CLY	M					CLY QZ	
	SA118061	57	58			OR	CR	RE		CLY	M					CLY QZ	
	SA118061	58	59			OR	CR	RE		CLY	M					CLY QZ	
	SA118061	59	60			OR	CR	RE		CLY	M					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect: Catch Dam	**Tenement:** 2127	**Date:** 27.8.99	**Geologist:** JMJ	**Hole:** CD13
AMG N: 6 458 000	**AMG E:** 474 800	**Incl:** -90	**AMG Azm:** -	**E.O.H.:** 9m

Sample Batch: SA99JJ43

Surface:

Drilling Company: Ironbark

Drill Type: Aircore
Blade:
Hammer:

Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118062	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118062	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118062	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118062	3	4			OL	CR	OR		CLY	M					CLY QZ	
	SA118063	4	5			OL	CR	OR		CLY	M					CLY QZ	
	SA118063	5	6			RE	CR	RE		CLY	M					CLY QZ	
	SA118063	6	7			RE	CR	RE		CLY	M					CLY QZ	
	SA118064	7	8			RE	CR	RE		CLY	M					CLY QZ	
	SA118064	8	9			RE	CR	RE		VN		QZ				QZ MS	Coarse Muscovite - possible Pegmatite?
																	NB: Stopped on Quartz vein/ Pegmatite => moved rig 20m south to redrill

Duplicates:

Standard: Standard Type:

Water Table:

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	Catch Dam						**Tenement:**	2127				**Date:**	27.8.99	**Geologist: JMJ**	**Hole: CD14**	
AMG N:	6 457 980						**AMG E:**	474 800			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**	
	Sample Batch: SA99JJ43								**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:	
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118065	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118065	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118065	2	3			CR	RE	CR		ALV	F					QZ Sand CLY	
	SA118065	3	4			CR	CR	RE		CLY	F					CLY QZ MICA	
	SA118066	4	5			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118066	5	6			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118066	6	7			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118066	7	8			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118067	8	9			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118067	9	10			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118067	10	11			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118067	11	12			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118068	12	13			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118068	13	14			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118068	14	15			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118068	15	16			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118069	16	17			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118069	17	18			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118069	18	19			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118069	19	20			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118070	20	21			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118070	21	22			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118070	22	23			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118070	23	24			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118071	24	25			RE	CR	RE		CLY	F					CLY QZ	
	SA118071	25	26			OR	CR	OR		CLY	F					CLY QZ	
	SA118071	26	27			OR	CR	OR		CLY	F					CLY QZ	
	SA118071	27	28			OR	CR	OR		CLY	F					CLY QZ	
	SA118072	28	29			OR	CR	OR		CLY	F					CLY QZ	
	SA118072	29	30			PU	CR	OR		CLY	F					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	Catch Dam						**Tenement:**		2127			**Date:**	27.8.99		**Geologist: JMJ**	**Hole: CD14**
AMG N:	6 457 980						**AMG E:**		474 800			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118072	30	31			RE	CR	RE		CLY	F					CLY QZ	
	SA118072	31	32			OL	CR	OR		CLY	F					CLY QZ	
	SA118073	32	33			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118073	33	34			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118073	34	35			PU	CR	RE		CLY	F					CLY QZ	
	SA118073	35	36			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118074	36	37			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118074	37	38			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118074	38	39			OL	CR	OR		CLY	F					CLY QZ	
	SA118074	39	40			PU	CR	RE		CLY	F					CLY QZ	
	SA118075	40	41			PU	CR	OR		CLY	F					CLY QZ	
	SA118075	41	42			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118075	42	43			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118075	43	44			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118076	44	45			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118076	45	46			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118076	46	47			BR	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118076	47	48			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118077	48	49			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118077	49	50			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118077	50	51			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118077	51	52			OR	CR	OR		CLY	F					CLY QZ	
	SA118078	52	53			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118078	53	54			PU	CR	OR		CLY	F					CLY QZ FELD MICA	
	SA118078	54	55			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118078	55	56			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118079	56	57			OR	CR	OR		CLY	F					CLY QZ	
	SA118079	57	58			GR	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118079	58	59			GR	CR	RE		CLY	F					CLY QZ FELD MICA	
	SA118079	59	60			PU	CR	RE		CLY	F					CLY QZ FELD MICA	
Duplicates	SA118079 - SA118199																Water Table:
Standard:	SA118080				Standard Type:		ISABM02										

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**27.8.99**		**Geologist: JMJ**	**Hole: CD15**
AMG N:	**6 459 700**						**AMG E:**	**475 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 30m**
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118081	0	1			RE				ALV	M					QZ Sand	
	SA118081	1	2			RE				ALV	M					QZ Sand CLY	
	SA118081	2	3			RE				ALV	M					QZ Sand CLY	
	SA118081	3	4			RE				ALV	M					QZ Sand CLY	
	SA118082	4	5			RE				ALV	M					QZ Sand	
	SA118082	5	6			RE				ALV	M					QZ Sand	
	SA118082	6	7			RE				ALV	M					QZ Sand	
	SA118082	7	8			RE				ALV	M					QZ Sand	
	SA118083	8	9			WH				CLY	F					CLY QZ	
	SA118083	9	10			WH				CLY	F					CLY QZ	
	SA118083	10	11			WH				CLY	F					CLY QZ	
	SA118083	11	12			RE				CLY	F					CLY QZ	
	SA118084	12	13			RE				CLY	F					CLY QZ	
	SA118084	13	14			RE				CLY	F					CLY QZ	
	SA118084	14	15			CR				CLY	F					CLY QZ	
	SA118084	15	16			CR				CLY	F					CLY QZ	
	SA118085	16	17			RE				CLY	F					CLY QZ	
	SA118085	17	18			RE				CLY	F					CLY QZ	
	SA118085	18	19			YE				CLY	F					CLY QZ	
	SA118085	19	20			YE				CLY	F					CLY QZ	
	SA118086	20	21			YE				CLY	F					CLY QZ	
	SA118086	21	22			RE				IRST	F					FER QZ	
	SA118086	22	23			OR				IRST	F					FER QZ	
	SA118086	23	24			OR				CLY	F					CLY QZ	
	SA118087	24	25			CR				CLY	F					CLY QZ	
	SA118087	25	26			CR				CLY	F					CLY QZ	
	SA118087	26	27			CR				CLY	F					CLY QZ	
	SA118087	27	28			CR				CLY	F					CLY QZ	
	SA118088	28	29			CR				CLY	F					CLY QZ	
	SA118088	29	30			CR				CLY	F					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**28.8.99**	**Geologist: JMJ**	**Hole: CD16**	
AMG N:	**6 459 500**						**AMG E:**	**475 800**				**Incl: -90**		**AMG Azm: -**	**E.O.H.: 60m**	
	Sample Batch: SA99JJ43								**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:	
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118089	0	1			RE				ALV	C					QZ Sand	
	SA118089	1	2			RE				ALV	C					QZ Sand	
	SA118089	2	3			RE				ALV	C					QZ Sand	
	SA118089	3	4			RE				ALV	C					QZ Sand	
	SA118090	4	5			PI	WH	RE		ALV	C					QZ Sand CLY	
	SA118090	5	6			PI	WH	RE		ALV	C					QZ Sand CLY	
	SA118090	6	7			WH	WH			CLY	F	IND				CLY QZ SERC	Indurated, leached Clay to 18m
	SA118090	7	8			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118091	8	9			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118091	9	10			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118091	10	11			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118091	11	12			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118092	12	13			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118092	13	14			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118092	14	15			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118092	15	16			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118093	16	17			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118093	17	18			WH	WH			CLY	F	IND				CLY QZ SERC	
	SA118093	18	19			WH	WH			CLY	C					CLY QZ SERC	
	SA118093	19	20			WH	WH			CLY	C					CLY QZ SERC	
	SA118094	20	21			WH	WH			CLY	F					CLY QZ SERC	
	SA118094	21	22			WH	WH			CLY	F					CLY QZ SERC	
	SA118094	22	23			WH	WH			CLY	F					CLY QZ SERC	
	SA118094	23	24			WH	WH			CLY	F					CLY QZ SERC	
	SA118095	24	25			WH	WH			CLY	F					CLY QZ SERC	
	SA118095	25	26			CR	CR			CLY	M					CLY QZ SERC	
	SA118095	26	27			OR	OR			CLY	M					CLY QZ SERC	
	SA118095	27	28			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118096	28	29			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118096	29	30			RE	CR	RE		CLY	M					CLY QZ SERC	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect: Catch Dam	**Tenement:** 2127	**Date:** 28.8.99	**Geologist:** JMJ	**Hole:** CD16
AMG N: 6 459 500	**AMG E:** 475 800	**Incl:** -90	**AMG Azm:** -	**E.O.H.:** 60m

Sample Batch: SA99JJ43 — **Surface:** — **Drilling Company:** Ironbark — **Drill Type:** Aircore; Blade: ; Hammer:

Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118096	30	31			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118096	31	32			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118097	32	33			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118097	33	34			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118097	34	35			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118097	35	36			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118098	36	37			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118098	37	38			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118098	38	39			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118098	39	40			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118099	40	41			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118099	41	42			CR	CR	OR		CLY	M					CLY QZ SERC	
	SA118099	42	43			CR	CR	OR		CLY	M					CLY QZ SERC	
	SA118099	43	44			OR	CR	OR		CLY	M					CLY QZ SERC	
	SA118100	44	45			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118100	45	46			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118100	46	47			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118100	47	48			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118101	48	49			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118101	49	50			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118101	50	51			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118101	51	52			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118102	52	53			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118102	53	54			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118102	54	55			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118102	55	56			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118103	56	57			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118103	57	58			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118103	58	59			CR	CR	CL		CLY	C					CLY QZ MS	
	SA118103	59	60			CR	CR	CL		CLY	C					CLY QZ MS	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD17**
AMG N:	**6 459 300**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118104	0	1			RE	RE			ALV	F					QZ Sand	
	SA118104	1	2			RE	RE			ALV	F					QZ Sand	
	SA118104	2	3			RE	RE			ALV	F					QZ Sand	
	SA118104	3	4			RE	RE			ALV	F					QZ Sand	
	SA118105	4	5			CR	CR			CLY	F	IND SI				CLY QZ	
	SA118105	5	6			CR	CR			CLY	F	IND SI				CLY QZ	
	SA118105	6	7			CR	CR			CLY	F	IND SI				CLY QZ	
	SA118105	7	8			CR	CR			CLY	F	IND				CLY QZ	
	SA118106	8	9			CR	CR			CLY	F	IND				CLY QZ	
	SA118106	9	10			GY	CR	GY		CLY	F	IND SI				CLY QZ	
	SA118106	10	11			GY	CR	GY		CLY	F					CLY QZ	
	SA118106	11	12			YE	CR	GY		CLY	F					CLY QZ	
	SA118107	12	13			GY	CR	GY		CLY	F					CLY QZ	
	SA118107	13	14			GY	CR	GY		CLY	F					CLY QZ	
	SA118107	14	15			RE	CR	RE		CLY	F					CLY QZ	
	SA118107	15	16			RE	CR	RE		CLY	F					CLY QZ	
	SA118108	16	17			YE	CR	RE		CLY	F					CLY QZ	
	SA118108	17	18			YE	CR	OR		CLY	M					CLY QZ	
	SA118108	18	19			YE	CR	OR		CLY	M					CLY QZ	
	SA118108	19	20			RE	CR	RE		CLY	F					CLY QZ	
	SA118109	20	21			CR	CR	CL		CLY	C					CLY QZ	
	SA118109	21	22			CR	CR	CL		CLY	C					CLY QZ	
	SA118109	22	23			CR	CR	CL		CLY	C					CLY QZ	
	SA118109	23	24			RE	OR	RE		CLY	F	FER				CLY QZ	
	SA118110	24	25			RE	OR	RE		CLY	F	FER				CLY QZ	
	SA118110	25	26			RE	OR	CL		CLY	C					CLY QZ	
	SA118110	26	27			CR	CR	CL		CLY	C					CLY QZ	
	SA118110	27	28			CR	CR	CL		CLY	C					CLY QZ	
	SA118111	28	29			CR	CR	CL		CLY	C					CLY QZ	
	SA118111	29	30			CR	CR	CL		CLY	C					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD17**
AMG N:	**6 459 300**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118111	30	31			CR	CR	CL		CLY	C					CLY QZ	
	SA118111	31	32			CR	CR	CL		CLY	C					CLY QZ	
	SA118112	32	33			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118112	33	34			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118112	34	35			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118112	35	36			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118113	36	37			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118113	37	38			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118113	38	39			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118113	39	40			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118114	40	41			OR	OR	GY		SCH	F					FELD QZ SERC CLY	
	SA118114	41	42			OL	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118114	42	43			OL	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118114	43	44			OL	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118115	44	45			OL	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118115	45	46			OL	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118115	46	47			OR	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118115	47	48			GR	GY	GR		SCH	F					FELD QZ SERC CLY	
	SA118116	48	49			GR	GY	GR		SCH	F					FELD QZ SERC	
	SA118116	49	50			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118116	50	51			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118116	51	52			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118117	52	53			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118117	53	54			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118117	54	55			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118117	55	56			GR	GY	BL		SCH	F					FELD QZ SERC	
	SA118118	56	57			CR	CR	CL		GRT	C					FELD QZ MGT	
	SA118118	57	58			CR	CR	CL		GRT	C					FELD QZ MGT	
	SA118118	58	59			CR	CR	CL		GRT	C					FELD QZ MGT	
	SA118118	59	60			CR	CR	CL		GRT	C					FELD QZ MGT	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD18**
AMG N:	**6 459 100**						**AMG E:**	**475 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 26m**
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118119	0	1			RE	RE			ALV	F					QZ Sand	
	SA118119	1	2			RE	RE			ALV	F					QZ Sand	
	SA118119	2	3			PI	RE	CR		ALV	F					QZ Sand	
	SA118119	3	4			PI	RE	CR		ALV	F					QZ Sand	
	SA118120	4	5			PI	RE	CR		ALV	F					QZ Sand	
	SA118120	5	6			PI	RE	CR		ALV	F					QZ Sand	
	SA118120	6	7			CR	CR	OR		CLY	F					CLY QZ	
	SA118120	7	8			CR	CR	OR		CLY	F					CLY QZ	
	SA118121	8	9			CR	CR	OR		CLY	F					CLY FELD QZ SERC	
	SA118121	9	10			CR	CR	OR		CLY	F					CLY FELD QZ SERC	
	SA118121	10	11			CR	CR	OR		CLY	F					CLY FELD QZ SERC	
	SA118121	11	12			CR	CR	OR		CLY	F					CLY FELD QZ SERC	
	SA118122	12	13			CR	CR	CL		GRT	C					FELD QZ CLY	
	SA118122	13	14			CR	CR	GY		CLY	M					CLY FELD QZ SERC	
	SA118122	14	15			CR	CR	GY		CLY	M					CLY FELD QZ SERC	
	SA118122	15	16			CR	CR	CL		GRT	C					FELD QZ CLY	
	SA118123	16	17			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118123	17	18			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118123	18	19			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118123	19	20			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118124	20	21			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118124	21	22			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118124	22	23			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118124	23	24			CR	CR	OR		SCH	F					FELD QZ MICA	
	SA118125	24	25			CR	CR	GY		SCH	F					FELD QZ MICA	
	SA118125	25	26			GY	CL			VN		QZ				QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**							**Tenement:**	**2127**			**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD19**
AMG N:	**6 459 900**						**AMG E:**	**475 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 3.5m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118126	0	1			RE	RE			ALV	F					QZ Sand	
	SA118126	1	2			OR	OR	CR		CLY	M	SI				FELD QZ CLY	
	SA118126	2	3			CR	OR	CR		CLY	M	SI				FELD QZ CLY	
	SA118126	3	3.5			GY	CR	GY		GNS	M					FELD QZ BT	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD20**
AMG N:	**6 458 700**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 15m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118127	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118127	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118127	2	3			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118127	3	4			OL	RE	CR		ALV	F					QZ Sand CLY	
	SA118128	4	5			OR	OR	CR		ALV	F					QZ Sand CLY	
	SA118128	5	6			RE	CR	RE		GNS	F					FELD QZ MICA	
	SA118128	6	7			RE	CR	RE		GNS	F					FELD QZ MICA	
	SA118128	7	8			RE	CR	RE		GNS	F					FELD QZ MICA	
	SA118129	8	9			CR	CR	OR		GNS	F					FELD QZ MICA	
	SA118129	9	10			CR	CR	GY		GNS	F					FELD QZ MICA	
	SA118129	10	11			CR	CR	GY		GNS	F					FELD QZ MICA	
	SA118129	11	12			GY	CR	GY		GNS	F					FELD QZ MICA	
	SA118130	12	13			BR	CR	RE		GNS	F					FELD QZ MICA	
	SA118130	13	14			BR	CR	OR		GNS	M					FELD QZ BT MS	
	SA118130	14	15			BR	CR	GY	F	GNS	M					FELD QZ BT MS	
Duplicates:																	Water Table:
Standard:					Standard Type:												

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Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**28.8.99**		**Geologist: JMJ**	**Hole: CD21**
AMG N:	**6 458 500**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 27m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118131	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118131	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118131	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118131	3	4			OR	RE			ALV	F					QZ Sand CLY	
	SA118132	4	5			CR	RE			ALV	F					QZ Sand CLY	
	SA118132	5	6			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118132	6	7			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118132	7	8			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118133	8	9			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118133	9	10			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118133	10	11			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118133	11	12			PI	CR	RE		CLY	F					CLY QZ SERC	
	SA118134	12	13			BR	CR	RE		GNS	M					FELD QZ MICA	Fe altered to bottom of hole
	SA118134	13	14			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118134	14	15			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118134	15	16			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118135	16	17			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118135	17	18			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118135	18	19			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118135	19	20			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118136	20	21			BR	CR	RE		GNS	M					FELD QZ MICA	
	SA118136	21	22			CR	CR	RE		GNS	M					FELD QZ MICA	
	SA118136	22	23			CR	CR	RE		GNS	M					FELD QZ MICA	
	SA118136	23	24			CR	CR	RE		GNS	M					FELD QZ MICA	
	SA118137	24	25			CR	CR	RE		GNS	M					FELD QZ MICA	
	SA118137	25	26			CR	CR	RE		GNS	M					FELD QZ MICA	
	SA118137	26	27			CR	CR	RE		GNS	M					FELD QZ MICA	
Duplicates	SA118137 - SA118200																Water Table:
Standard:	SA118138				Standard Type:		Oreas 43P										

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**							**Tenement:**	**2127**			**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD22**
AMG N:	**6 458 300**						**AMG E:**	**475 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 36m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118139	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118139	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118139	2	3			RE	RE			ALV	F					QZ Sand	
	SA118139	3	4			YE	CR	BL		CLY	F	SI				CLY QZ SERC	
	SA118140	4	5			YE	CR	BL		CLY	F	SI				CLY QZ SERC	
	SA118140	5	6			GY	CR	BL		CLY	F	SI				CLY QZ SERC	
	SA118140	6	7			RE	CR	BL		CLY	F	SI				CLY QZ SERC	
	SA118140	7	8			RE	CR	BL		CLY	F					CLY QZ SERC	
	SA118141	8	9			RE	CR	BL		CLY	F					CLY QZ SERC	
	SA118141	9	10			GY	CR	BL		CLY	F	SI				CLY QZ SERC	
	SA118141	10	11			RE	CR	RE		SCH	F					FELD QZ SERC CLY	Fe altered to bottom of hole
	SA118141	11	12			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118142	12	13			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118142	13	14			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118142	14	15			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118142	15	16			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118143	16	17			RE	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118143	17	18			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118143	18	19			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118143	19	20			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118144	20	21			GY	BL	RE		SCH	F					FELD QZ SERC CLY	
	SA118144	21	22			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118144	22	23			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118144	23	24			BR	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118145	24	25			RE	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118145	25	26			GY	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118145	26	27			GY	CR	BL		SCH	F					FELD QZ SERC CLY	
	SA118145	27	28			YE	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118146	28	29			RE	CR	RE		SCH	F					FELD QZ SERC CLY	
	SA118146	29	30			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**29.8.99**	**Geologist: JMJ**	**Hole: CD22**	
AMG N:	**6 458 300**						**AMG E:**	**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 36m**	
	Sample Batch: SA99JJ43									**Surface:**					**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118146	30	31			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
	SA118146	31	32			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
	SA118147	32	33			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
	SA118147	33	34			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
	SA118147	34	35			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
	SA118147	35	36			GY	CR	GY		SCH	F					FELD QZ SERC CLY	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect: Catch Dam	**Tenement:** 2127	**Date:** 29.8.99	**Geologist: JMJ**	**Hole: CD23**
AMG N: 6 458 100	**AMG E:** 475 800	**Incl: -90**	**AMG Azm: -**	**E.O.H.: 15m**

Sample Batch: SA99JJ43

Drilling Company: Ironbark

Drill Type: Aircore
Blade:
Hammer:

Surface:

Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118148	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118148	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118148	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118148	3	4			RE	RE			ALV	F					QZ Sand	
	SA118149	4	5			RE	RE			ALV	F					QZ Sand	
	SA118149	5	6			RE	RE	CR		ALV	F					QZ Sand	
	SA118149	6	7			RE	RE	CR		ALV	F					QZ Sand	
	SA118149	7	8			YE	CR	GY		CLY	F					CLY QZ SERC	
	SA118150	8	9			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118150	9	10			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118150	10	11			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118150	11	12			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118151	12	13			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118151	13	14			CR	CR	GY		CLY	F					CLY QZ SERC	
	SA118151	14	15			CR	CR	GY		VN		QZ				QZ	
																	Stopped on Quartz vein
																	Moved 100m south

Duplicates:

Standard: Standard Type:

Water Table:

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**							**Tenement:**	**2127**			**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD24**
AMG N:	**6 458 000**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 11m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118152	0	1			RE	RE			ALV	F					QZ Sand	
	SA118152	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118152	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118152	3	4			BR	RE	CR		ALV	F					QZ Sand	
	SA118153	4	5			BR	RE	CR		ALV	F					QZ Sand	
	SA118153	5	6			BR	RE	CR		ALV	F					QZ Sand	
	SA118153	6	7			CR	RE	CR		CLY	M					CLY QZ SERC	
	SA118153	7	8			CR	CR	CL		CLY	M					CLY QZ SERC	
	SA118154	8	9			CR	CR	CL		CLY	M					CLY QZ SERC	
	SA118154	9	10			CR	CR	GY		GNS	M					FELD QZ BT	
	SA118154	10	11			GY	CR	GY	F	GNS	M					FELD QZ BT	Biotite Gneiss
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD25**
AMG N:	**6 457 800**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 25m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118155	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118155	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118155	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118155	3	4			RE	RE			ALV	F					QZ Sand	
	SA118156	4	5			YE	CR	YE		CLY	F	SI				CLY QZ	
	SA118156	5	6			YE	CR	YE		CLY	F	SI				CLY QZ	
	SA118156	6	7			YE	CR	YE		CLY	F					CLY QZ SERC	
	SA118156	7	8			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118157	8	9			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118157	9	10			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118157	10	11			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118157	11	12			RE	CR	RE		CLY	F					CLY QZ SERC	
	SA118158	12	13			OR	CR	OR		CLY	M					CLY QZ SERC	
	SA118158	13	14			CR	CR	OR		CLY	M					CLY QZ SERC	
	SA118158	14	15			CR	CR	OR		CLY	M					CLY QZ SERC	
	SA118158	15	16			CR	CR	BL		CLY	M					CLY QZ SERC	
	SA118159	16	17			GY	CR	BL		CLY	M					CLY QZ SERC	
	SA118159	17	18			GY	CR	BL		CLY	M					CLY QZ SERC	
	SA118159	18	19			RE	CR	RE		SCH	F					FELD QZ SERC	
	SA118159	19	20			GY	CR	BL		SCH	F					FELD QZ SERC	
	SA118160	20	21			OR	CR	OR		SCH	F					FELD QZ SERC	
	SA118160	21	22			RE	CR	RE		SCH	F					FELD QZ SERC	Fe altered to bottom of hole
	SA118160	22	23			RE	CR	RE	F	GNS	M					FELD QZ BT	
	SA118161	23	24			OL	CR	BR	F	GNS	M					FELD QZ BT	
	SA118161	24	25			GY	CR	GY	F	GNS	M					FELD QZ BT CL	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD26**
AMG N:	**6 457 600**						**AMG E:**	**475 800**				**Incl: -90**			**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118162	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118162	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118162	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118162	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118163	4	5			RE	RE			ALV	F					QZ Sand CLY	
	SA118163	5	6			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118163	6	7			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118163	7	8			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118164	8	9			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118164	9	10			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118164	10	11			OR	CR	OR		CLY	M					CLY QZ SERC	
	SA118164	11	12			BR	CR	RE		CLY	M					CLY QZ SERC	
	SA118165	12	13			BR	CR	RE		CLY	M					CLY QZ SERC	
	SA118165	13	14			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118165	14	15			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118165	15	16			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118166	16	17			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118166	17	18			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118166	18	19			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118166	19	20			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118167	20	21			RE	CR	RE		CLY	M					CLY QZ SERC GR	
	SA118167	21	22			RE	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118167	22	23			RE	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118167	23	24			GY	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118168	24	25			GY	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118168	25	26			GY	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118168	26	27			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118168	27	28			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118169	28	29			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118169	29	30			GY	CR	BL		CLY	M					CLY QZ SERC GR	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**							**Tenement:**	**2127**			**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD26**
AMG N:	**6 457 600**						**AMG E:**	**475 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 60m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118169	30	31			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118169	31	32			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118170	32	33			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118170	33	34			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118170	34	35			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118170	35	36			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118171	36	37			GY	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118171	37	38			CR	CR	BL		CLY	M					CLY QZ SERC GR	
	SA118171	38	39			CR	CR	OR		CLY	M					CLY QZ SERC GR	
	SA118171	39	40			BR	CR	BL		GNS	M					FELD QZ SERC GR BT	Fe altered to bottom of hole
	SA118172	40	41			BR				GNS	M					FELD QZ SERC GR BT	
	SA118172	41	42			BR				GNS	M					FELD QZ SERC GR BT	
	SA118172	42	43			BR				GNS	M					FELD QZ SERC GR BT	
	SA118172	43	44			BR				GNS	M					FELD QZ SERC GR BT	
	SA118173	44	45			BR				GNS	M					FELD QZ SERC GR BT	
	SA118173	45	46			BR				GNS	M					FELD QZ SERC GR BT	
	SA118173	46	47			BR				GNS	M					FELD QZ SERC GR BT	
	SA118173	47	48			BR				GNS	M					FELD QZ SERC GR BT	
	SA118174	48	49			BR				GNS	M					FELD QZ SERC GR BT	
	SA118174	49	50			RE				GNS	M					FELD QZ SERC GR BT	
	SA118174	50	51			RE				GNS	M					FELD QZ SERC GR BT	
	SA118174	51	52			RE				GNS	M					FELD QZ SERC GR BT	
	SA118175	52	53			RE				GNS	M					FELD QZ SERC GR BT	
	SA118175	53	54			RE				GNS	M					FELD QZ SERC GR BT	
	SA118175	54	55			BR				GNS	M					FELD QZ SERC GR BT	
	SA118175	55	56			BR				GNS	M					FELD QZ SERC GR BT	
	SA118176	56	57			BR				GNS	M					FELD QZ SERC GR BT	
	SA118176	57	58			BR				GNS	M					FELD QZ SERC GR BT	
	SA118176	58	59			BR				GNS	M					FELD QZ SERC GR BT	
	SA118176	59	60			RE				GNS	M					FELD QZ SERC GR BT	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**29.8.99**		**Geologist: JMJ**	**Hole: CD27**
AMG N:	**6 457 400**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 21m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118177	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118177	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118177	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118177	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118178	4	5			RE	RE			ALV	F					QZ Sand CLY	
	SA118178	5	6			RE	RE			ALV	F					QZ Sand	
	SA118178	6	7			OR	OR			ALV	F					QZ Sand	
	SA118178	7	8			OR	OR			ALV	F					QZ Sand	
	SA118179	8	9			OR	OR	CR		ALV	F					QZ Sand	
	SA118179	9	10			OR	OR	CR		ALV	F					QZ Sand	
	SA118179	10	11			OR	OR	CR		ALV	F					QZ Sand	
	SA118179	11	12			OR	OR	CR		ALV	F					QZ Sand	
	SA118180	12	13			CR	BL	RE		CLY						CLY	
	SA118180	13	14			CR	BL	RE		CLY						CLY	
	SA118180	14	15			CR	BL	CR		CLY						CLY	
	SA118180	15	16			CR	BL	CR		CLY						CLY	
	SA118181	16	17			CR	CR	RE		CLY						CLY	
	SA118181	17	18			RE	CR	RE		CLY						CLY	
	SA118181	18	19			RE	CR	RE		CLY						CLY	
	SA118181	19	20			RE	CR	RE		CLY						CLY	
	SA118182	20	21			RE	CR	RE		CLY						CLY	
																	Rig bogged 29/8/99 => snapped chain trying to
																	get out.
																	30/8/99: Tungsten still down hole => wrecked bit.
																	Moved 10m south to redrill.
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**		**2127**			**Date:**	**30.8.99**		**Geologist: JMJ**	**Hole: CD28**
AMG N:	**6 457 390**						**AMG E:**		**475 800**			**Incl: -90**			**AMG Azm: -**	**E.O.H.: 32.5m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118183	0	1			RE	RE			ALV	F					QZ Sand CLY	Re-drill of CD27 w/10m offset
	SA118183	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118183	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118183	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118184	4	5			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118184	5	6			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118184	6	7			RE	CR	RE		ALV	F					QZ Sand CLY	
	SA118184	7	8			RE	CR	OR		CLY	F					CLY QZ	
	SA118185	8	9			BR	CR	OR		CLY	F					CLY QZ	
	SA118185	9	10			BR	CR	OR		CLY	F					CLY QZ	
	SA118185	10	11			BR	CR	OR		CLY	F					CLY QZ	
	SA118185	11	12			BR	CR	OR		CLY	F					CLY QZ	
	SA118186	12	13			GY	CR	BL		CLY	F					CLY QZ	
	SA118186	13	14			GY	CR	BL		CLY	F					CLY QZ	
	SA118186	14	15			GY	CR	PU		CLY	F					CLY QZ	
	SA118186	15	16			GY	CR	PU		CLY	F					CLY QZ	
	SA118187	16	17			GY	CR	BL		CLY	F					CLY QZ	
	SA118187	17	18			GY	CR	BL		CLY	F					CLY QZ	
	SA118187	18	19			GY	CR	BL		CLY	F					CLY QZ	
	SA118187	19	20			GY	CR	BL		CLY	F					CLY QZ	
	SA118188	20	21			GY	CR	BL		CLY	F					CLY QZ	
	SA118188	21	22			GY	CR	BL		CLY	F					CLY QZ	
	SA118188	22	23			GY	CR	BL		CLY	F					CLY QZ	
	SA118188	23	24			GY	CR	BL		CLY	F					CLY QZ	
	SA118189	24	25			RE	CR	BL		CLY	F					CLY QZ	
	SA118189	25	26			RE	CR	BL		CLY	F					CLY QZ	
	SA118189	26	27			RE	CR	BL		CLY	F					CLY QZ	
	SA118190	27	28			RE	CR	BL		CLY	F					CLY QZ	
	SA118190	28	29			RE	CR	BL		CLY	F					CLY QZ	
	SA118190	29	30			RE	CR	BL		CLY	F					CLY QZ	
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect:	**Catch Dam**						**Tenement:**	**2127**				**Date:**	**30.8.99**		**Geologist: JMJ**	**Hole: CD28**
AMG N:	**6 457 390**						**AMG E:**	**475 800**			**Incl: -90**				**AMG Azm: -**	**E.O.H.: 32.5m**
	Sample Batch: SA99JJ43								**Surface:**						**Drilling Company:** Ironbark	**Drill Type:** Aircore Blade: Hammer:
Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118191	30	31			RE	CR	BL		CLY	F					CLY QZ	
	SA118191	31	32			RE	CR	BL		CLY	F					CLY QZ	
	SA118191	32	32.5			RE	CR	BL		VN		QZ				QZ	Stopped on Quartz vein
Duplicates:																	Water Table:
Standard:					Standard Type:												

M.I.M. Exploration Pty Ltd — Olary Project — Drilling Log

Prospect: Catch Dam	**Tenement:** 2127	**Date:** 30.8.99	**Geologist:** JMJ	**Hole:** CD29
AMG N: 6 457 200	**AMG E:** 475 800	**Incl:** -90	**AMG Azm:** -	**E.O.H.:** 24m

Sample Batch: SA99JJ43

Surface:

Drilling Company: Ironbark

Drill Type: Aircore
Blade:
Hammer:

Magnetic Suscept SI x 10-5	Sample Number	Depth From	Depth To	SQ	Intensity	Dust Colour	Main colour	2nd colour	Weathering	Lithology	GS	Texture / Qual	VnQ%	Pyr%	FeO%	Minerals / Alteration	Comments
	SA118192	0	1			RE	RE			ALV	F					QZ Sand CLY	
	SA118192	1	2			RE	RE			ALV	F					QZ Sand CLY	
	SA118192	2	3			RE	RE			ALV	F					QZ Sand CLY	
	SA118192	3	4			RE	RE			ALV	F					QZ Sand CLY	
	SA118193	4	5			RE	RE			ALV	F					QZ Sand CLY	
	SA118193	5	6			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118193	6	7			RE	RE	CR		ALV	F					QZ Sand CLY	
	SA118193	7	8			BR	CR	OR		CLY	M					CLY QZ	
	SA118194	8	9			BR	CR	OR		CLY	M					CLY QZ	
	SA118194	9	10			BR	CR	OR		CLY	M					CLY QZ	
	SA118194	10	11			BR	CR	OR		CLY	M					CLY QZ SERC	
	SA118194	11	12			BR	CR	OR		CLY	M					CLY QZ SERC	
	SA118195	12	13			BR	CR	OR		CLY	M					CLY QZ SERC	
	SA118195	13	14			RE	RE			CLY	M					CLY QZ SERC	
	SA118195	14	15			RE	RE			CLY	M					CLY QZ SERC	
	SA118195	15	16			GY	CR	GY		CLY	M					CLY QZ SERC	
	SA118196	16	17			GY	CR	RE		CLY	M					CLY QZ SERC	
	SA118196	17	18			BR	CR	RE		CLY	M					CLY QZ SERC	
	SA118196	18	19			BR	CR	RE		CLY	M					CLY QZ SERC	
	SA118196	19	20			RE	CR	RE		CLY	M					CLY QZ SERC	
	SA118197	20	21			CR	CR	RE		CLY	M					CLY QZ SERC	
	SA118197	21	22			RE	CR	RE		GNS	M	FER				FELD QZ SERC	
	SA118197	22	23			RE	CR	RE		GNS	M	FER				FELD QZ SERC	
	SA118197	23	24			RE	CR	RE		GNS	M	FER				FELD QZ SERC	

Duplicates:

Standard: Standard Type:

Water Table:

amdel

MINERAL CHEMISTRY

Amdel Laboratories Ltd
PO Box 338
Torrensville Plaza SA 5031
ACN 009 076 555

Telephone (08) 8416 5300
Facsimile (08) 8234 0321

Ms Joanne Jackson
MIM Exploration Pty Ltd
13 Maple Ave
FORESTVILLE SA 5035

FINAL ANALYSIS REPORT

Your Order No: SA99JJ43

Our Job Number : 9AD2287

Sample rec'd : 02/09/99

Results reported : 17/09/99

No. of samples : 202

Results apply to sample(s) as submitted by client.

Report comprises a cover sheet and pages: 1 to 10

Approved Signature:

for
Alan Ciplys
Manager - Mineral Chemistry

Report Codes:
N.A. - Not Available.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Cu	Pb	Zn	Mo	Ag
SA 117999	<1	<1	17.5	6.5	53	3.1	0.47
SA 118000	<1	--	18.0	6.0	28.0	4.9	0.17
SA 118001	4	--	13.0	7.0	105	1.8	0.13
SA 118002	<1	--	7.5	3.4	32.5	1.3	0.12
SA 118003	<1	--	4.7	1.2	34.5	0.9	0.02
SA 118004	<1	--	3.6	1.4	19.5	0.9	0.02
SA 118005	<1	--	8.0	1.2	41.0	1.3	0.04
SA 118006	<1	--	4.8	1.2	39.0	1.1	0.06
SA 118007	<1	--	11.0	6.0	30.5	2.3	0.19
SA 118008	<1	--	7.0	2.8	20.5	2.0	0.09
SA 118009	<1	--	7.5	1.2	15.0	2.3	0.04
SA 118010	<1	--	9.0	1.6	21.5	2.0	0.02
SA 118011	<1	--	11.5	1.5	29.5	2.3	0.03
SA 118012	<1	--	5.5	1.1	26.5	2.5	0.03
SA 118013	1	--	14.5	7.5	40.0	2.0	0.55
SA 118014	<1	--	12.5	2.7	16.0	1.5	0.13
SA 118015	<1	--	7.5	1.5	9.0	1.5	0.04
SA 118016	<1	--	12.5	1.3	14.5	1.6	0.03
SA 118017	44	46	210	110	370	9.0	0.19
SA 118018	2	--	7.5	3.5	26.5	1.7	0.06
SA 118019	2	3	17.5	3.8	47.5	0.9	0.05
SA 118020	1	--	15.5	3.2	60	2.7	0.16
SA 118021	1	--	13.5	4.4	30.0	2.2	0.06
SA 118022	<1	--	17.0	2.9	7.0	2.4	0.06
SA 118023	<1	--	17.0	3.6	10.0	2.2	0.05
SA 118024	<1	--	13.0	4.7	12.0	1.6	0.05
SA 118025	<1	--	14.5	4.8	13.5	1.9	0.05
SA 118026	3	--	13.5	5.0	32.5	2.0	0.07
SA 118027	<1	1	23.0	3.7	28.5	1.6	0.06
SA 118028	<1	--	40.5	4.1	26.5	3.0	0.08
SA 118029	2	--	34.5	8.5	35.5	2.6	0.07
SA 118030	1	--	29.5	10.5	29.0	3.7	0.07
SA 118031	<1	--	26.0	8.5	32.0	3.1	0.07
SA 118032	1	--	23.0	6.5	30.0	1.7	0.06
SA 118033	<1	--	19.5	7.5	30.0	1.9	0.06
SA 118034	<1	--	16.0	7.0	25.5	1.9	0.09
SA 118035	2	--	38.0	4.2	55	1.5	0.08
SA 118036	<1	--	65	4.4	110	1.6	0.07
SA 118037	<1	--	9.0	6.0	22.0	2.1	0.06
SA 118038	<1	--	8.0	6.5	24.5	2.2	0.04
SA 118039	1	<1	14.0	6.5	43.0	2.8	0.04
SA 118040	2	<1	13.0	6.5	40.0	2.6	0.03
SA 118041	<1	--	15.0	8.5	59	2.9	0.02
SA 118042	<1	--	13.5	6.0	45.5	3.2	0.02
SA 118043	<1	--	16.5	15.5	31.0	3.2	<0.01
SA 118044	<1	--	18.5	20.0	49.0	2.3	0.02
SA 118045	<1	--	25.5	19.0	83	3.1	0.02
SA 118046	1	--	32.0	26.0	95	8.0	0.06
SA 118047	<1	--	9.0	6.5	19.0	2.0	0.05
SA 118048	<1	--	9.5	5.5	12.5	1.8	0.02
UNITS	ppb	ppb	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	1	0.2	0.2	0.5	0.1	0.01
SCHEME	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Cu	Pb	Zn	Mo	Ag
SA 118049	<1	--	11.5	4.6	19.0	1.9	0.02
SA 118050	<1	<1	12.0	8.0	16.5	2.2	0.03
SA 118051	<1	--	12.0	8.0	15.0	2.5	0.02
SA 118052	<1	--	9.5	16.0	11.0	2.4	<0.01
SA 118053	<1	--	8.0	14.5	5.5	2.7	0.02
SA 118054	<1	--	10.5	15.5	9.5	2.8	0.03
SA 118055	<1	--	10.5	12.5	6.0	2.8	<0.01
SA 118056	<1	--	15.0	22.0	8.5	3.5	0.02
SA 118057	<1	--	10.5	11.5	6.5	3.0	0.03
SA 118058	<1	--	6.5	10.5	5.0	3.2	0.04
SA 118059	<1	<1	16.5	7.5	11.0	2.9	0.02
SA 118060	<1	--	20.0	10.5	17.5	2.7	0.03
SA 118061	4	--	27.5	12.5	26.0	3.4	0.04
SA 118062	1	--	14.0	8.0	20.0	3.3	0.09
SA 118063	<1	--	17.5	7.5	10.5	3.9	0.04
SA 118064	<1	--	26.5	9.0	17.5	3.0	0.10
SA 118065	1	--	9.5	6.5	30.5	2.0	0.08
SA 118066	<1	--	18.0	4.4	6.5	1.6	0.04
SA 118067	<1	--	12.0	4.9	5.5	2.1	0.02
SA 118068	<1	--	16.5	6.0	12.0	2.1	0.03
SA 118069	<1	--	16.0	6.5	16.0	2.4	0.02
SA 118070	<1	--	16.0	5.5	7.5	5.0	0.02
SA 118071	<1	--	16.0	6.5	9.0	2.7	0.02
SA 118072	<1	--	18.5	9.5	8.5	4.0	0.02
SA 118073	<1	--	11.5	6.0	4.5	2.2	0.03
SA 118074	<1	<1	17.5	8.0	5.5	2.7	0.02
SA 118075	<1	--	16.5	7.0	5.5	3.0	0.02
SA 118076	1	--	26.0	9.5	12.0	2.8	0.03
SA 118077	<1	--	41.0	11.0	28.0	3.4	0.06
SA 118078	<1	--	39.0	7.5	39.5	3.5	0.04
SA 118079	1	2	51	8.0	75	3.2	0.05
SA 118080	4	--	170	400	600	4.3	1.15
SA 118081	<1	--	14.5	8.0	65	1.4	0.51
SA 118082	<1	--	14.0	16.0	37.0	3.3	0.47
SA 118083	<1	<1	7.5	35.5	16.5	4.1	0.08
SA 118084	<1	--	13.5	28.0	25.5	6.0	0.04
SA 118085	<1	--	17.5	31.5	59	19.5	0.05
SA 118086	2	--	41.0	51	170	43.0	0.10
SA 118087	<1	--	39.5	35.0	87	14.0	0.04
SA 118088	2	--	41.0	25.5	115	9.0	0.12
SA 118089	2	--	14.5	9.0	48.5	1.9	0.26
SA 118090	1	--	7.5	6.5	10.0	1.9	0.11
SA 118091	2	--	3.5	4.6	4.5	1.0	0.04
SA 118092	1	--	3.7	5.0	5.0	1.1	0.02
SA 118093	<1	--	4.7	4.8	4.5	1.9	0.05
SA 118094	<1	--	1.9	4.9	3.0	0.8	0.03
SA 118095	<1	--	6.0	12.0	9.0	1.7	0.02
SA 118096	<1	--	11.0	3.3	17.0	2.4	<0.01
SA 118097	<1	<1	13.5	1.6	12.0	1.6	0.02
SA 118098	<1	--	11.5	2.1	11.0	1.8	0.03
UNITS	ppb	ppb	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	1	0.2	0.2	0.5	0.1	0.01
SCHEME	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2

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Job: 9AD2287
O/N: SA99JJ43

nal

ANALYTICAL REPORT

SAMPLE	Au	Au Dpl	Cu	Pb	Zn	Mo	Ag
SA 118099	<1	<1	12.5	2.7	13.0	2.4	0.03
SA 118100	<1	<1	9.0	1.9	12.0	1.8	0.02
SA 118101	1	--	11.0	3.8	10.5	2.3	0.04
SA 118102	<1	--	8.0	16.5	9.5	1.9	0.05
SA 118103	<1	--	8.5	5.5	6.0	2.0	0.04
SA 118104	2	--	16.0	9.5	29.0	3.0	0.16
SA 118105	<1	--	13.5	24.5	16.0	2.3	0.09
SA 118106	2	--	20.5	12.0	19.5	3.3	0.03
SA 118107	<1	--	41.5	19.5	47.5	4.2	0.02
SA 118108	<1	--	32.0	39.0	58	4.0	0.03
SA 118109	<1	--	48.0	45.5	83	4.0	0.07
SA 118110	6	--	29.0	28.0	41.0	3.2	0.08
SA 118111	4	--	33.5	17.0	49.5	3.3	0.05
SA 118112	2	--	110	23.0	89	6.5	0.03
SA 118113	12	--	140	40.5	120	10.0	0.14
SA 118114	2	--	125	47.0	190	9.0	0.08
SA 118115	4	--	165	32.0	190	8.5	0.08
SA 118116	3	--	120	33.5	170	8.0	0.06
SA 118117	4	--	94	35.0	240	4.9	0.04
SA 118118	9	--	35.0	49.5	75	3.4	0.23
SA 118119	2	1	25.0	49.0	53	3.6	0.13
SA 118120	<1	--	75	84	185	7.5	0.08
SA 118121	<1	--	75	16.0	145	3.2	0.04
SA 118122	2	--	66	17.0	98	3.7	0.07
SA 118123	<1	--	70	10.5	140	3.9	0.07
SA 118124	5	--	110	20.0	240	8.0	0.14
SA 118125	30	--	76	9.0	230	3.3	0.21
SA 118126	<1	--	29.0	5.5	125	2.8	0.13
SA 118127	<1	--	50	6.5	41.0	2.0	0.05
SA 118128	<1	--	135	2.9	46.5	11.5	0.03
SA 118129	<1	--	100	3.7	58	4.1	0.06
SA 118130	<1	--	120	3.0	105	2.5	0.26
SA 118131	<1	--	18.5	7.5	34.0	2.0	0.07
SA 118132	<1	--	27.0	4.1	49.5	4.0	0.04
SA 118133	<1	--	25.0	8.0	76	3.3	0.05
SA 118134	<1	--	21.5	4.1	150	2.8	0.08
SA 118135	<1	--	36.0	3.9	190	2.3	0.07
SA 118136	<1	--	36.0	4.8	140	2.4	0.07
SA 118137	<1	--	19.5	4.6	58	2.0	0.12
SA 118138	52	--	340	98	380	125	0.33
SA 118139	<1	<1	8.5	6.0	14.5	2.6	0.05
SA 118140	<1	--	4.0	2.5	3.5	2.3	0.02
SA 118141	<1	--	6.0	3.5	7.5	4.2	0.02
SA 118142	<1	--	8.0	3.7	8.5	3.3	<0.01
SA 118143	<1	--	10.0	5.5	7.0	4.8	0.02
SA 118144	<1	--	12.0	16.0	14.0	9.0	0.02
SA 118145	<1	--	10.5	10.5	8.5	7.0	0.02
SA 118146	<1	--	6.5	3.2	7.0	4.1	<0.01
SA 118147	<1	--	12.5	3.5	11.0	3.8	<0.01
SA 118148	<1	<1	18.5	8.5	38.0	2.6	0.05
UNITS	ppb	ppb	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	1	0.2	0.2	0.5	0.1	0.01
SCHEME	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

nal

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Cu	Pb	Zn	Mo	Ag
SA 118149	<1	<1	22.0	7.5	33.0	1.9	0.03
SA 118150	<1	--	34.5	6.5	80	3.1	0.02
SA 118151	<1	--	35.0	7.5	69	3.5	0.02
SA 118152	1	--	17.0	10.5	31.0	2.6	0.03
SA 118153	<1	--	17.0	8.5	46.5	3.5	0.03
SA 118154	<1	--	16.5	3.0	115	5.5	0.05
SA 118155	2	--	17.5	10.0	38.0	2.9	0.04
SA 118156	2	--	8.0	6.0	7.5	5.0	<0.01
SA 118157	<1	--	23.0	13.5	23.5	4.4	0.03
SA 118158	<1	--	27.5	9.0	29.0	9.0	0.03
SA 118159	1	<1	25.5	3.6	42.0	4.9	0.02
SA 118160	1	--	34.5	8.0	33.0	6.5	0.03
SA 118161	1	--	45.5	4.5	105	6.5	0.15
SA 118162	2	--	15.0	9.0	45.5	1.9	0.04
SA 118163	<1	--	12.0	11.0	30.5	2.5	0.18
SA 118164	<1	--	9.0	12.5	10.0	3.2	0.15
SA 118165	<1	--	18.5	8.0	6.5	4.0	0.04
SA 118166	<1	--	24.5	6.5	5.0	4.6	0.03
SA 118167	<1	--	34.5	9.5	9.0	5.0	0.05
SA 118168	<1	--	60	13.5	31.5	5.0	0.06
SA 118169	<1	--	51	11.5	34.5	4.7	0.04
SA 118170	<1	--	41.0	10.0	25.0	4.0	0.05
SA 118171	<1	<1	41.5	8.5	27.0	3.9	0.08
SA 118172	3	--	38.0	9.5	23.5	3.3	0.04
SA 118173	<1	--	40.5	9.0	26.5	3.5	0.05
SA 118174	<1	--	41.5	5.5	24.0	3.2	0.10
SA 118175	1	--	47.0	5.5	29.0	3.0	0.10
SA 118176	2	--	37.5	4.8	20.0	4.1	0.10
SA 118177	<1	--	18.5	9.0	41.5	2.2	0.04
SA 118178	<1	--	16.0	8.0	30.5	2.8	0.04
SA 118179	1	<1	11.0	13.5	13.5	2.8	0.02
SA 118180	<1	<1	8.0	8.0	6.5	1.6	0.54
SA 118181	<1	--	9.5	14.0	4.0	4.5	0.45
SA 118182	<1	--	12.0	11.5	6.0	5.0	0.29
SA 118183	<1	--	19.0	10.0	50.0	2.3	0.18
SA 118184	<1	--	16.0	8.0	22.0	2.6	0.35
SA 118185	<1	--	13.0	9.0	12.0	2.7	0.39
SA 118186	<1	--	8.0	7.5	5.5	2.6	0.07
SA 118187	<1	<1	4.1	4.7	4.0	1.9	0.06
SA 118188	<1	--	7.0	7.5	5.0	4.4	0.05
SA 118189	2	--	12.0	8.5	5.5	4.5	0.10
SA 118190	1	--	12.0	6.5	17.5	4.2	0.09
SA 118191	<1	--	12.5	9.5	5.5	5.5	0.05
SA 118192	<1	--	19.5	9.5	42.0	2.5	0.04
SA 118193	<1	--	15.5	9.0	25.0	2.4	0.04
SA 118194	<1	--	13.5	7.0	11.0	3.5	<0.01
SA 118195	<1	--	26.5	8.0	11.5	5.5	0.02
SA 118196	<1	--	31.5	13.0	12.5	7.5	0.02
SA 118197	<1	--	19.0	31.0	7.0	4.8	<0.01
SA 118198	<1	--	22.0	1.7	22.0	3.2	0.02
UNITS	ppb	ppb	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	1	0.2	0.2	0.5	0.1	0.01
SCHEME	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	Cu	Pb	Zn	Mo	Ag
SA 118199	<1	<1	70	9.5	94	4.9	0.05
SA 118200	<1	--	23.5	5.5	65	3.2	0.44
UNITS	ppb	ppb	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	1	0.2	0.2	0.5	0.1	0.01
SCHEME	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	As	Ni
SA 117999	4.5	13
SA 118000	4.5	15
SA 118001	6.0	13
SA 118002	2.0	25
SA 118003	0.5	44
SA 118004	0.5	22
SA 118005	<0.5	40
SA 118006	<0.5	45
SA 118007	4.5	11
SA 118008	2.0	14
SA 118009	1.0	17
SA 118010	1.0	24
SA 118011	0.5	24
SA 118012	1.0	19
SA 118013	5.5	12
SA 118014	1.5	19
SA 118015	<0.5	16
SA 118016	0.5	23
SA 118017	75	230
SA 118018	2.5	18
SA 118019	4.5	13
SA 118020	2.5	16
SA 118021	5.0	7
SA 118022	2.0	5
SA 118023	3.0	7
SA 118024	3.5	6
SA 118025	6.5	7
SA 118026	3.0	15
SA 118027	9.5	9
SA 118028	8.0	6
SA 118029	10.0	14
SA 118030	19.5	9
SA 118031	5.5	15
SA 118032	4.5	13
SA 118033	5.0	17
SA 118034	3.0	8
SA 118035	8.5	13
SA 118036	16.0	15
SA 118037	3.5	8
SA 118038	3.5	4
SA 118039	5.5	3
SA 118040	1.5	4
SA 118041	2.0	4
SA 118042	2.5	4
SA 118043	1.5	3
SA 118044	1.5	4
SA 118045	2.0	5
SA 118046	9.5	8
SA 118047	5.0	9
SA 118048	7.5	7
UNITS	ppm	ppm
DET.LIM	0.5	1
SCHEME	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	As	Ni
SA 118049	7.5	7
SA 118050	8.5	5
SA 118051	7.5	6
SA 118052	4.5	5
SA 118053	5.0	5
SA 118054	5.0	5
SA 118055	3.5	5
SA 118056	6.5	5
SA 118057	2.5	3
SA 118058	2.0	3
SA 118059	4.0	3
SA 118060	2.0	3
SA 118061	3.5	4
SA 118062	6.5	7
SA 118063	8.5	3
SA 118064	17.5	4
SA 118065	5.5	7
SA 118066	6.0	2
SA 118067	3.0	3
SA 118068	6.0	4
SA 118069	2.5	5
SA 118070	5.0	5
SA 118071	19.5	10
SA 118072	5.5	8
SA 118073	2.0	2
SA 118074	4.5	4
SA 118075	7.5	7
SA 118076	4.5	10
SA 118077	5.0	13
SA 118078	2.5	13
SA 118079	7.5	37
SA 118080	125	14
SA 118081	3.5	11
SA 118082	8.5	9
SA 118083	4.5	4
SA 118084	5.0	3
SA 118085	12.0	2
SA 118086	26.0	4
SA 118087	18.5	4
SA 118088	15.0	4
SA 118089	3.0	10
SA 118090	1.0	5
SA 118091	<0.5	3
SA 118092	<0.5	4
SA 118093	<0.5	5
SA 118094	<0.5	3
SA 118095	13.5	3
SA 118096	28.0	5
SA 118097	22.0	2
SA 118098	11.0	3
UNITS	ppm	ppm
DET.LIM	0.5	1
SCHEME	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	As	Ni
SA 118099	11.5	4
SA 118100	26.5	4
SA 118101	7.5	5
SA 118102	3.5	7
SA 118103	3.5	5
SA 118104	3.5	11
SA 118105	29.0	5
SA 118106	15.0	4
SA 118107	45.5	6
SA 118108	47.5	8
SA 118109	115	8
SA 118110	48.5	7
SA 118111	32.0	7
SA 118112	94	8
SA 118113	97	13
SA 118114	43.0	8
SA 118115	79	16
SA 118116	46.5	11
SA 118117	42.0	16
SA 118118	22.5	8
SA 118119	12.0	10
SA 118120	31.5	12
SA 118121	8.5	12
SA 118122	34.0	10
SA 118123	42.5	10
SA 118124	54	15
SA 118125	39.0	15
SA 118126	9.5	14
SA 118127	3.0	12
SA 118128	3.5	11
SA 118129	1.5	9
SA 118130	2.0	17
SA 118131	17.5	12
SA 118132	25.0	8
SA 118133	21.0	6
SA 118134	26.5	5
SA 118135	13.0	5
SA 118136	22.5	6
SA 118137	22.0	6
SA 118138	105	360
SA 118139	3.0	8
SA 118140	2.0	5
SA 118141	4.0	5
SA 118142	6.0	4
SA 118143	7.5	3
SA 118144	9.0	6
SA 118145	8.0	6
SA 118146	3.5	5
SA 118147	2.5	6
SA 118148	5.5	14
UNITS	ppm	ppm
DET.LIM	0.5	1
SCHEME	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

nal

ANALYTICAL REPORT

SAMPLE	As	Ni
SA 118149	6.0	11
SA 118150	14.5	13
SA 118151	11.0	11
SA 118152	7.5	13
SA 118153	6.5	15
SA 118154	1.0	24
SA 118155	6.5	15
SA 118156	2.5	7
SA 118157	1.5	6
SA 118158	4.5	8
SA 118159	5.0	8
SA 118160	6.0	8
SA 118161	3.0	20
SA 118162	3.5	14
SA 118163	5.0	11
SA 118164	5.5	8
SA 118165	7.5	12
SA 118166	4.0	15
SA 118167	2.5	16
SA 118168	2.0	13
SA 118169	2.5	9
SA 118170	1.0	8
SA 118171	2.5	15
SA 118172	1.5	8
SA 118173	1.5	12
SA 118174	2.5	14
SA 118175	2.0	15
SA 118176	1.5	13
SA 118177	4.0	17
SA 118178	3.5	15
SA 118179	3.5	9
SA 118180	2.0	3
SA 118181	5.5	4
SA 118182	3.0	5
SA 118183	5.0	18
SA 118184	2.5	12
SA 118185	2.5	6
SA 118186	1.5	4
SA 118187	<0.5	3
SA 118188	3.0	3
SA 118189	0.5	3
SA 118190	0.5	3
SA 118191	2.5	3
SA 118192	5.0	15
SA 118193	2.0	12
SA 118194	2.0	8
SA 118195	5.0	7
SA 118196	5.0	6
SA 118197	8.5	5
SA 118198	<0.5	36
UNITS	ppm	ppm
DET.LIM	0.5	1
SCHEME	ARM2	ARM2

amdel

Job: 9AD2287
O/N: SA99JJ43

inal

ANALYTICAL REPORT

SAMPLE	As	Ni
SA 118199	9.5	50
SA 118200	17.5	7
UNITS	ppm	ppm
DET.LIM	0.5	1
SCHEME	ARM2	ARM2

M.I.M. Exploration Pty. Ltd.
A.C.N. 009 681 118
A member of the M.I.M. Group of Companies

MIM EXPLORATION

13 Maple Avenue,
Forestville
South Australia 5035

Telephone: (08) 371 4533
Facsimile: (08) 371 4322

20 February 2001

The CEO
PIRSA – Mineral Resources
GPO Box 1671
ADELAIDE SA 5001
Attn: Mr George Kwitko

Dear George

RE: Annual Report for EL2127 "WOMPINIE"
for the year ending the 23rd November 2000

This letter is provided in lieu of a full annual report for EL 2127 "Wompinie".

No work has been carried out on EL 2127 within the reporting period. Rehabilitation of previous work areas has been completed.

Would you please acknowledge receipt of this report by signing the release below and either fax or return post a copy to MIM Exploration Pty Ltd.

An expenditure statement is attached

Yours sincerely

for **Steve Law**
Senior Geologist - South Australia

signed	position	date
Jean Legal	Rec Officer	22.02.01

C.F.:→Adelaide/Brisbane
CC: Andy Price – Normandy
Tony Hespe – Western Metals

PRIMARY INDUSTRIES AND RESOURCES SA

Office of Minerals and Energy Resources SA

SUMMARY REPORT ON MINERAL EXPLORATION

(Separate form for each licence)

Exploration Licence No:	2774 – "Wompinie"
For Six Months Ending: 22/05/05	**Operator/Manager:** Exco Resources NL
Mineral(s) Sought: Cu, Au.	**Prepared by:** O. Hatton
	Date: 26 October 2005
	Phone No: 08 9389 6300
	Fax No: 08 9389 6400

SUMMARY OF OPERATIONS
(No., type of samples; line km & type of survey; No. of holes; metres of each type of drilling; Environmental activities etc).

No field or office work was conducted during the period.

[If field activity undertaken, attach A4 size plan showing general location and type of work done]

EXPENDITURE

Expenditure for Period: (Add detailed statement)	$	0
Total Expenditure for Licence:	$	14,050

PRIMARY INDUSTRIES AND RESOURCES SA

Office of Minerals and Energy Resources SA

SUMMARY REPORT ON MINERAL EXPLORATION

(Separate form for each licence)

Exploration Licence No:	2774 – "Wompinie"
For Six Months Ending: 22/11/05	**Operator/Manager:** Exco Resources NL
Mineral(s) Sought: Cu, Au, Ag, Pb, Zn	**Prepared by:** O. Hatton
	Date: 26 October 2005
	Phone No: 08 9389 6300
	Fax No: 08 9389 6400

SUMMARY OF OPERATIONS

Surface IP survey

9 line km of 100m dipole-dipole IP was completed over four targets in the tenement within the reporting period. This work was carried out by Zonge Engineering and Research Organisation (ZERO) of Adelaide who mobilised to the project area on 23rd August 2005. Final invoices are yet to be received but at an estimated production rate of a km per day and a cost of $2,800 per day the estimated expenditure from the IP is $33,600.

Surface Gravity Survey

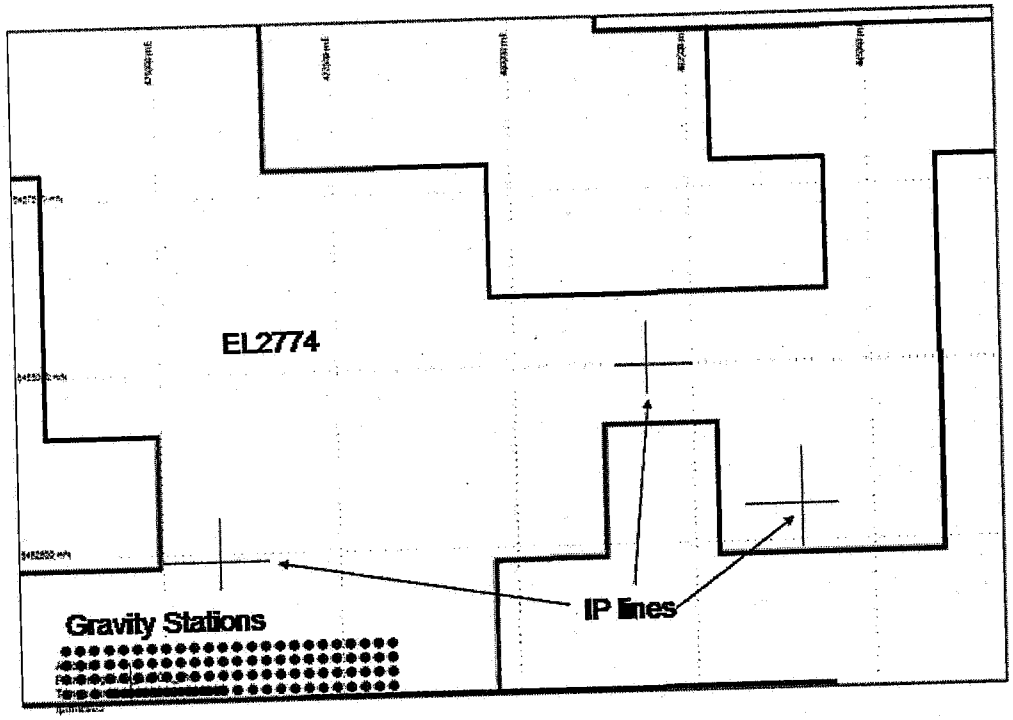
Haines Surveys of Adelaide was contracted to carry out a nominal 200x200m spaced gravity survey over targets in EL 2774 and adjacent tenements. This survey commenced on 17th October and was finished on the 22nd October 2005. A total of 104 stations were read on the tenement. Final invoices are yet to be received but based on a production rate of 100-150 stations per day for two crews the estimated cost for the survey is $5,000.

Proposed Drilling

Based upon the IP surveys and gravity two UDR style rigs have been contracted to drill 3 holes for an estimated 600m of NQ core and 300m of RC precollar within the tenement. The first rig is due to arrive on the 12th November and the second on the 18th November. At an estimated cost of $125 per/m NQ and $45 per/m RC the total cost before the 22nd November would be $87,500 (NQ metres) & $9,000 (RC), for an estimated total of $96,500.

EXPENDITURE

Expenditure for Period: (Add detailed statement)	$	66,660
Total Expenditure for Licence:	$	80,710


EL2774
IP lines
Gravity Stations

RESOURCES (SA) PTY LTD

DREW HILL PROJECT

SOUTH AUSTRALIA

FINAL TECHNICAL REPORT

EXPLORATION LICENCE 3476

14 May 2009

Tenement Holder: Exco Resources (SA) Pty Ltd

Prepared by: Andrew McDonald, Owen Hatton

DISTRIBUTION

Department of Primary Industries and Resources – South Australia

Exco Resources Ltd

TABLE OF CONTENTS

1. SUMMARY OF ACTIVITIES

Exploration Licence 2774 had its 5 year anniversary on 22 November 2005. Exco Resources Ltd ("Exco") and its Drew Hill Joint Venture partners, Polymetals Group Pty Ltd ("Polymetals") and Noranda Falconbridge Ltd ("Noranda") successfully applied for the subsequent Exploration Licence, which included an approximate 50% reduction in area. EL 3476 was granted on 6 December 2005.

A regional exploration program covering the former EL 2774 focussed on structural / geological / magnetic targets identified from a desktop review completed by Noranda. The targets which were defined are located largely undercover and were covered by a combination of IP and gravity to further define targets for drilling (prior to the application for EL3476).

An RC/DD hole was drilled to test the strongest IP anomaly on EL3476 in December 2005.

In July 2008 Exco notified the Department of its intent to relinquish EL 3476.

2. INTRODUCTION

2.1. GENERAL

Exco Resources Ltd ***(Exco)*** entered into an agreement in June 2003 with Polymetals Group Pty Ltd ***(Polymetals)*** over tenements located at Drew Hill including Exploration Licence 2774 “Wompinie” (EL 2774). Exco subsequently earned a 60% interest in the Drew Hill Project.

On 25 January 2005, Noranda Pacific Pty Ltd ***(Noranda)*** entered into a joint venture agreement with POLYMETALS and Bimba Mining Ltd (a wholly owned subsidiary of Exco) for which Noranda had a right to earn up to 70% interest for discovery areas on the Drew Hill tenements excluding an area of interest around White Dam.

Exploration Licence 2774 had its 5 year anniversary on 22 November 2005. Exco successfully applied for the subsequent EL (EL 3476), which included an approximate 50% reduction in area. Exploration Licence EL 3476 was granted on 6 December 2005.

On 18 January 2006 Exco secured the 40% interest held by Polymetals at a cost of A$2 million. As a result Exco currently holds a 100% interest in the Drew Hill Tenements.

Xstrata Plc announced on 26 August 2006 that it had acquired 97.1% of the issued and outstanding Common Shares of Falconbridge/Noranda. Following the successful takeover, Xstrata decided to withdraw from Drew Hill Joint Venture.

On 27 March 2008 Exco and Polymetals entered into a Heads of Agreement whereby Polymetals can acquire a 50% interest in the White Dam Gold Project and Drew Hill Tenements (including EL 3476).

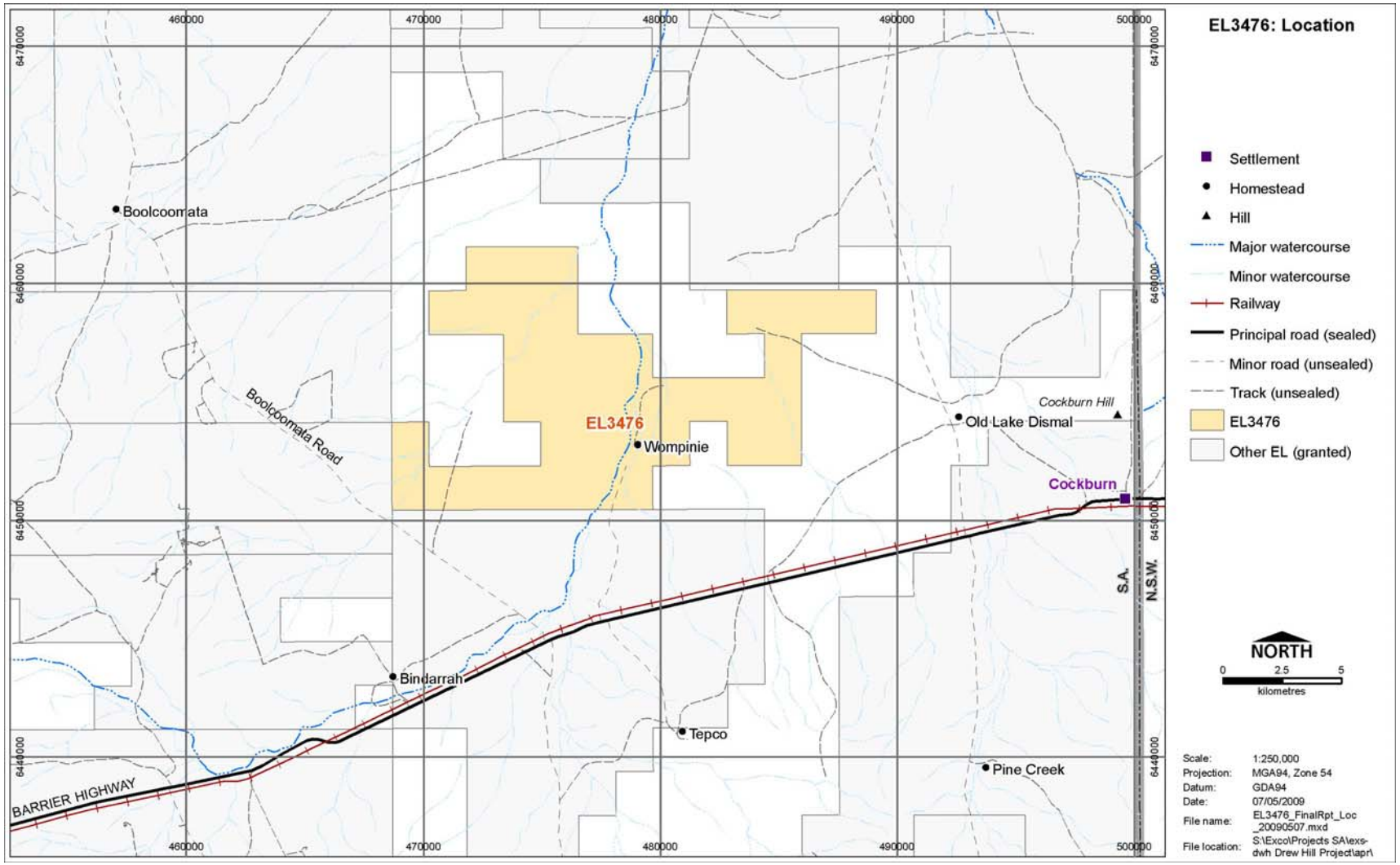
In July 2008 Exco notified the Department of its intent to relinquish EL 3476.

The following report details work done on EL 3476 between December 2005 and July 2008.

2.2. LOCATION AND ACCESS

The tenement is located approximately 40 km northeast of the Olary township, in the north of the Olary (SI 54-2) 1:250,000 GSSA map sheet. Access from Olary is via the Barrier Highway then station tracks (Figure 1). The boundary of the tenement lies between the longitudes 140°40'E and 140°53'E and the latitudes 31°59'S and 32°05'S.

FIGURE 1 – LOCATION MAP



3. GEOLOGY

The Drew Hill Project is located in the South Australian segment of the Curnamona Craton. The Curnamona Craton was originally a rifted sedimentary basin filled with Lower Proterozoic Willyama Supergroup shallow-marine sediments, evaporites and mafic volcanics. These have been deformed and metamorphosed into a belt of high-grade gneisses and schists, and then intruded by Middle Proterozoic granites. The craton spans the NSW-SA border between Olary in SA and Broken Hill in NSW. It is divided into two major structural and stratigraphic segments: the Broken Hill Block to the east and the Olary Block to the west. These two blocks are separated by the NNE trending Mundi Mundi Fault.

Both segments of the craton are extensively mineralised. The most important deposit is the Broken Hill Pb-Zn-Ag deposit, however, there are numerous other sedimentary deposits including exhalative Pb-Zn-Ag, volcano-exhalative Cu-Au, epigenetic Cu-Au-Mo, epigenetic U and diagenetic U deposits. The epigenetic Cu-Au-Mo mineralisation has been mined at several locations within the Olary Block. It is associated with intense albite alteration and is usually accompanied by haematite and magnetite. It is thought to have been deposited either by fluids derived from the metamorphism of the underlying evaporite sequence or by magmatic fluids from the later granite intrusions. It is broadly stratabound and disseminated, but locally controlled by veins and fractures.

The majority of EL3476 is under cover. Airborne magnetic data shows a number of magnetic linear features, some of which appear to be related to increased magnetite in the more albitic units (Figures 2 and 3). Magnetic lows are normally associated with units of the Pelite Suite or granitic intrusives. Detailed geology is given in the Olary 1:250 000 geological notes (Forbes, 1991).

FIGURE 2 – REGIONAL GEOLOGY

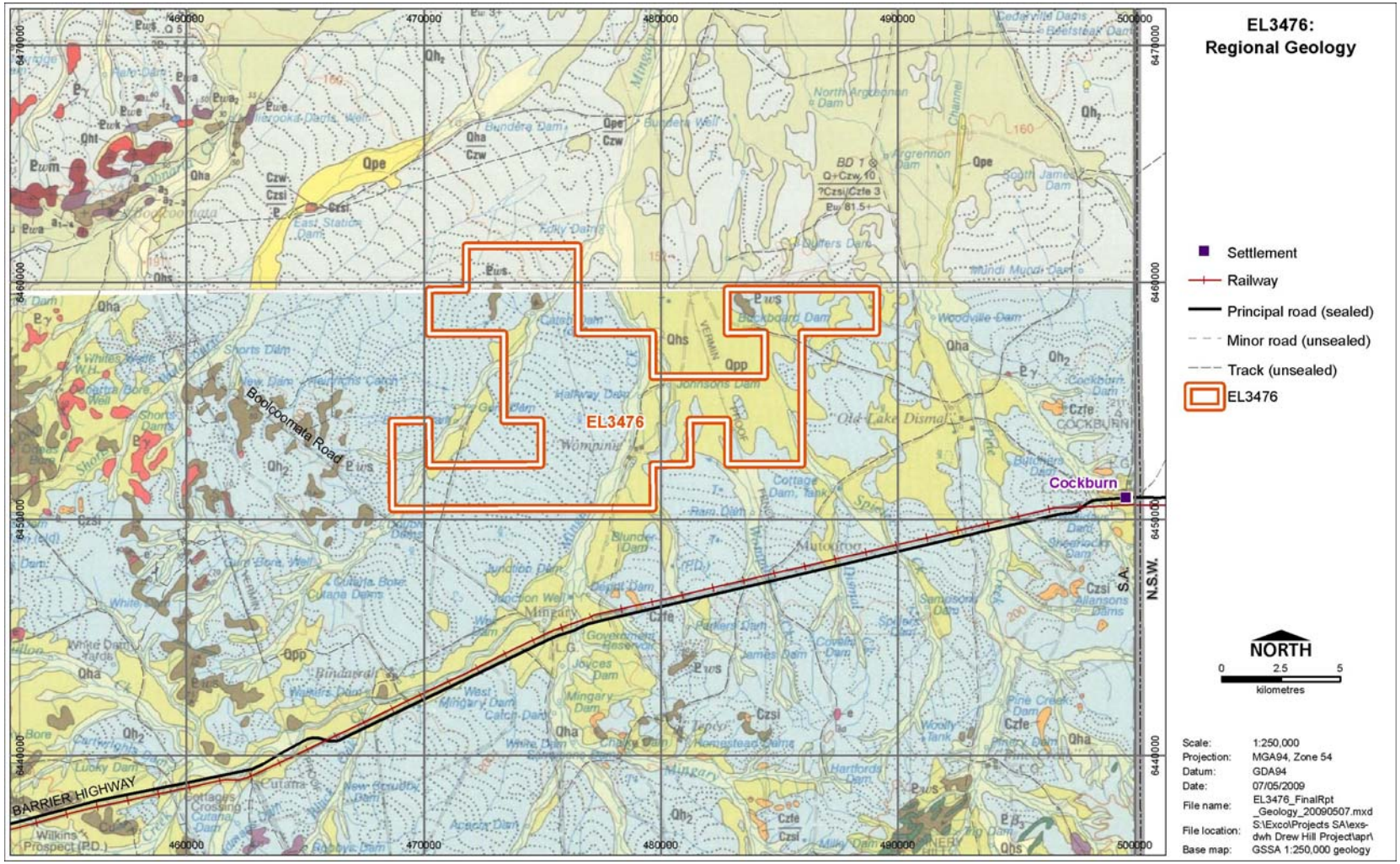
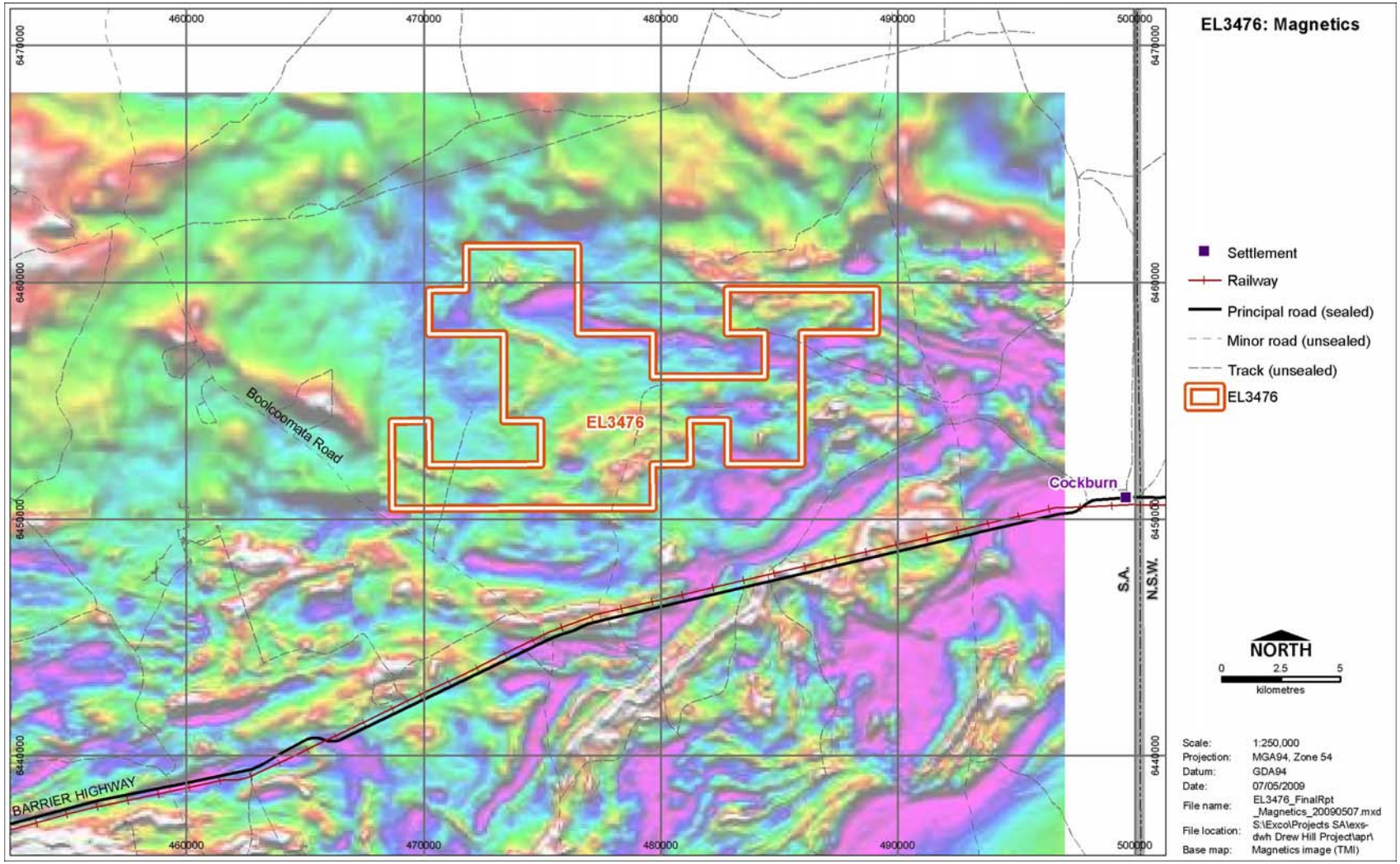


FIGURE 3 – REGIONAL MAGNETICS



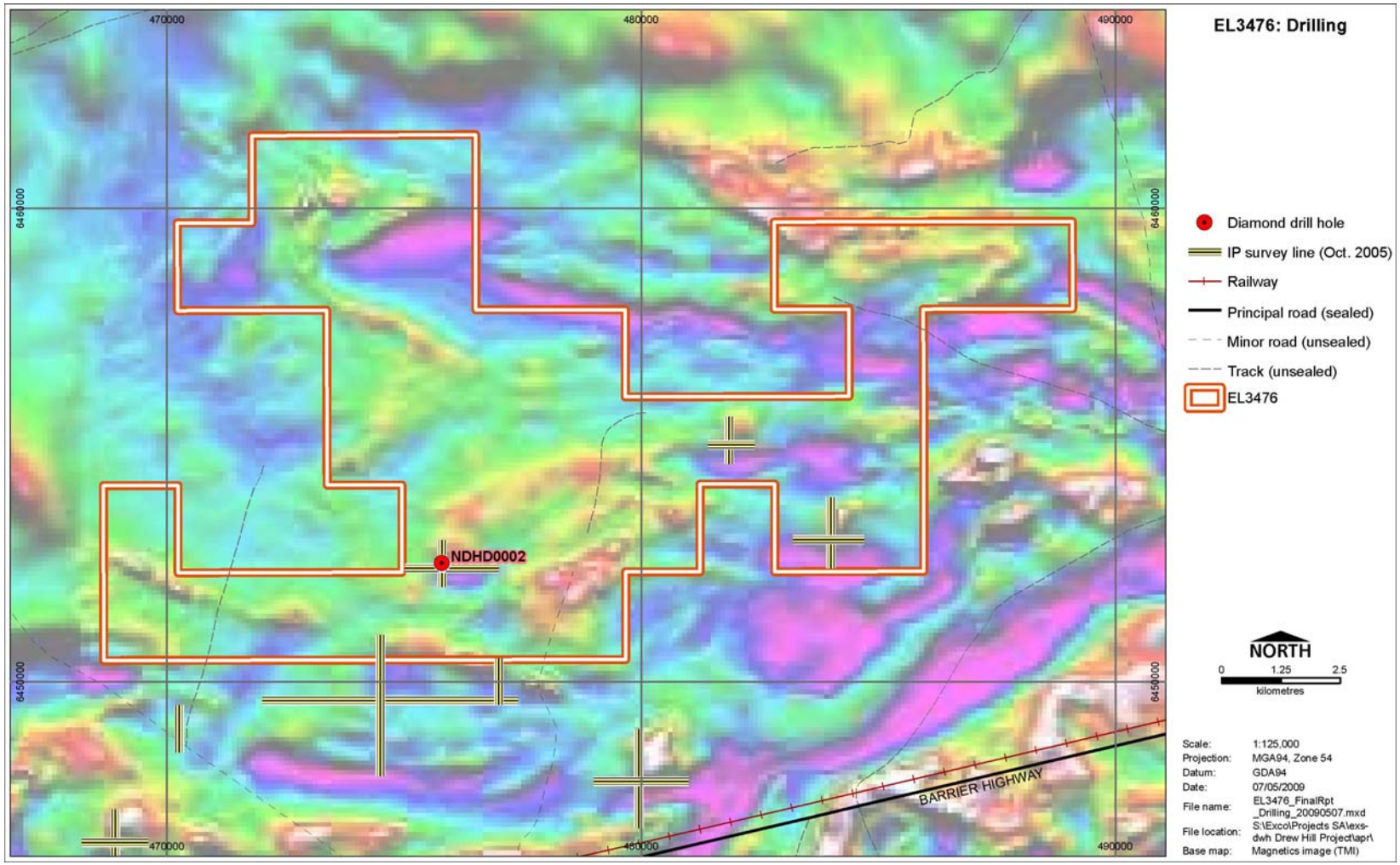
4. EXPLORATION

Drilling: NDHD0002 *(Dec 2005)*

Wallis Drilling Pty Ltd of WA were contracted to conduct drilling and mobilised a KL 900 multi-purpose rig (UDR 1000 equivalent) which arrived on site in November 2005. The hole was targeted to test the strongest IP response returned from a previous Zonge dipole-dipole IP survey over selected aeromagnetic anomalies (Figure 4).

The hole drilled through a sequence of albite-magnetite-biotite, silica-albite, albite-hematite altered felsic gneisses. Zones of interest within this hole include several 0.2-1m wide veins at 185m and disseminated py-po throughout the zones of albite magnetite alteration. The IP anomaly is likely explained by a combination of the predominant albite-magnetite alteration and a ~12m wide zone (232-243m) of fault gouge with trace pyrite and core loss-likely representing a fault zone (Hatton, 2006). No significant assays were returned for this hole (Appendix 1).

Figure 4 – LOCATION OF DRILLHOLE NDHD0002 AND OCTOBER 2005 IP LINES



5 REFERENCES

- Forbes, B.G., 1991. Explanatory Notes: Geology of Olary, 1:250,000 Map Sheet. Geological Survey of South Australia.

- Law, S., 2001. Annual Report for the Year Ending 9th January 2001. Company report submitted to the Department of Primary Industries and Resources of South Australia, March 2001 for tenement EL 2688

- Hatton O.J., 2006. PACE Drilling Report-Drew Hill JV, Noranda Pacific Pty Ltd. March 2006

APPENDIX 1

Drillhole Collars

H1000	Hole_ID	Xcoordinate	Ycoordinate	Zcoordinate	MaxDepth	Drill_code	Collar_inclination	Collar_Azimuth	Lease_ID	Date_started	Date_completed	Drill_contractor	Company	Rig_type	Survey_Method_EN
H1001		metres	metres	metres			degrees	degrees							
H1004		1	1	3			1	1							
D	NDHD0002	174	MGA94_54	475799.9235		DDH	-60	180	EL3476	08/12/2005	12/12/2005	WAL	NRA	UNKN	6452500
EOF															

APPENDIX 2

Downhole Geochemistry

H1000	Hole_ID	Depfrom	Depto	Sample_ID	Sample_code	Ag	As	Au	Ba	Co	Cu	Fe	Mo	Pb	U	Zn
H1001						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						ICP-MS	ICP-MS	A/AAS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
H1003						0.1	1	0.01	10	0.1	1	100	0.1	2	0.01	1
H1005																
H1007						UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN
H1008						0	0	0	0	0	0	0	0	0	0	0
D	NDHD0002	0	2	3000180	RC-CHIP	-0.1	11	-0.01	401	42.2	47	47833	21.2	13	1.66	95
D	NDHD0002	2	4	3000181	RC-CHIP	-0.1	13	-0.01	926	14.2	22	128419	8.3	24	3.71	50
D	NDHD0002	4	6	3000182	RC-CHIP	-0.1	9	-0.01	657.1	8.5	13	122112	4	20	3.74	31
D	NDHD0002	6	8	3000183	RC-CHIP	-0.1	5	-0.01	436.8	6.5	11	46910	2.2	13	2.63	18
D	NDHD0002	8	10	3000184	RC-CHIP	-0.1	7	-0.01	259.2	5.9	15	65009	4.8	17	2.72	19
D	NDHD0002	10	12	3000185	RC-CHIP	0.1	4	-0.01	178.2	4.5	10	41213	2.3	13	1.99	14
D	NDHD0002	12	14	3000186	RC-CHIP	-0.1	5	-0.01	171.5	7.5	11	48561	2.7	15	2.9	14
D	NDHD0002	14	16	3000187	RC-CHIP	-0.1	3	-0.01	214.8	8.2	12	30904	1.6	13	2.51	13
D	NDHD0002	16	18	3000188	RC-CHIP	-0.1	4	-0.01	178.2	3.1	10	29136	2	11	1.59	9
D	NDHD0002	18	20	3000189	RC-CHIP	-0.1	4	-0.01	169.7	3.4	10	33561	1.4	15	2.06	11
D	NDHD0002	20	22	3000190	RC-CHIP	-0.1	3	-0.01	121.4	2.3	7	17172	0.7	13	1.53	12
D	NDHD0002	22	24	3000191	RC-CHIP	-0.1	3	-0.01	481.4	2	6	13595	0.3	13	1.58	8
D	NDHD0002	24	26	3000192	RC-CHIP	-0.1	9	-0.01	452.4	2.6	30	57250	3.4	31	2.75	10
D	NDHD0002	26	28	3000193	RC-CHIP	-0.1	4	-0.01	230.5	2.8	15	28370	1.4	19	2.17	12
D	NDHD0002	28	30	3000194	RC-CHIP	-0.1	4	-0.01	277.8	3.3	23	29689	1.6	22	3.19	9
D	NDHD0002	30	32	3000195	RC-CHIP	-0.1	2	-0.01	143.9	1.5	16	10462	0.6	19	2.31	7
D	NDHD0002	32	34	3000196	RC-CHIP	-0.1	1	-0.01	429.8	1.3	14	10461	-1	31	3.29	10
D	NDHD0002	34	36	3000197	RC-CHIP	0.1	2	-0.01	172.1	1.7	12	9985	0.7	43	2.96	8
D	NDHD0002	36	38	3000198	RC-CHIP	-0.1	3	-0.01	1647.9	2.2	21	13247	1.1	49	3.36	15
D	NDHD0002	38	40	3000199	RC-CHIP	-0.1	3	-0.01	296.3	1.9	15	11973	1.1	34	3.2	13
D	NDHD0002	40	42	3000200	RC-CHIP	-0.1	3	-0.01	313.9	2.1	12	12700	0.6	29	2.78	15
D	NDHD0002	42	44	3000201	RC-CHIP	0.4	5	0.01	343.8	3.3	15	13645	2	30	3.33	23
D	NDHD0002	44	46	3000202	RC-CHIP	-0.1	6	-0.01	405.6	1.6	59	10823	5.4	84	6.22	19
D	NDHD0002	46	48	3000203	RC-CHIP	0.2	3	-0.01	217.3	0.7	17	8916	1.8	31	4.14	13
D	NDHD0002	48	50	3000204	RC-CHIP	-0.1	4	-0.01	478.2	1.2	12	34227	2.6	21	3.04	13
D	NDHD0002	50	52	3000205	RC-CHIP	0.3	3	-0.01	453.9	2.7	8	33999	1.1	76	3.7	21
D	NDHD0002	52	54	3000206	RC-CHIP	-0.1	3	-0.01	704.4	3.1	7	29410	1.2	29	3.73	22
D	NDHD0002	54	56	3000207	RC-CHIP	-0.1	2	-0.01	511.2	4	9	16463	0.7	24	3.59	24
D	NDHD0002	56	58	3000208	RC-CHIP	-0.1	2	-0.01	279.7	3	9	10879	4.6	28	4.44	29
D	NDHD0002	58	60	3000209	RC-CHIP	-0.1	1	-0.01	709.2	1.3	7	10373	1	22	3.61	24
D	NDHD0002	60	62	3000210	RC-CHIP	-0.1	1	-0.01	960.3	2.2	7	11613	0.4	14	5.88	27
D	NDHD0002	62	64	3000211	RC-CHIP	-0.1	1	-0.01	601.6	2.2	6	10067	0.3	18	6.42	42
D	NDHD0002	64	66	3000212	RC-CHIP	-0.1	2	0.01	1377.7	3.1	9	9144	0.4	35	4.43	34
D	NDHD0002	66	68	3000213	RC-CHIP	-0.1	2	-0.01	1312.3	2.1	8	9359	0.5	32	4.87	28
D	NDHD0002	68	70	3000214	RC-CHIP	-0.1	1	-0.01	733.1	2	10	8857	0.4	85	5.15	37
D	NDHD0002	70	72	3000215	RC-CHIP	-0.1	2	-0.01	1629.7	3.8	8	13366	0.5	91	5.29	30
D	NDHD0002	72	74	3000216	RC-CHIP	-0.1	1	-0.01	620.4	1.2	8	11289	0.4	72	5.48	17
D	NDHD0002	74	76	3000217	RC-CHIP	-0.1	2	-0.01	892	1.3	13	8973	0.6	147	7.09	28
D	NDHD0002	76	78	3000218	RC-CHIP	-0.1	3	-0.01	1227.5	5.1	26	50738	0.9	101	12.8	79
D	NDHD0002	78	80	3000219	RC-CHIP	-0.1	5	-0.01	2112.4	14.8	44	79189	0.8	56	10.21	151
D	NDHD0002	80	82	3000220	RC-CHIP	-0.1	3	-0.01	1925.2	12.5	26	63999	0.7	44	6.98	121
D	NDHD0002	82	84	3000221	RC-CHIP	-0.1	1	-0.01	993.3	2.1	11	15405	1.3	33	3.58	34
D	NDHD0002	84	86	3000222	RC-CHIP	-0.1	2	-0.01	1049.4	6.4	24	41848	1.1	34	5.68	58
D	NDHD0002	86	88	3000223	RC-CHIP	-0.1	2	0.01	2645.6	23.1	45	89931	0.7	28	10.26	122
D	NDHD0002	88	90	3000224	RC-CHIP	-0.1	2	-0.01	2061.1	26.8	30	94058	0.6	16	6.99	70
D	NDHD0002	90	92	3000225	RC-CHIP	-0.1	2	-0.01	2919.8	25.9	19	81699	0.6	19	6.36	84
D	NDHD0002	92	94	3000226	RC-CHIP	-0.1	2	-0.01	1932.9	23.3	14	70175	0.5	22	5.57	98
D	NDHD0002	94	96	3000227	RC-CHIP	-0.1	2	-0.01	3236.3	14.2	13	58614	0.9	16	5.05	58
D	NDHD0002	96	98	3000228	RC-CHIP	-0.1	2	-0.01	3134.7	12.9	12	60631	0.4	14	4.57	56

H1000	Hole_ID	Depfrom	Depto	Sample_ID	Sample_code	Ag	As	Au	Ba	Co	Cu	Fe	Mo	Pb	U	Zn
H1001						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						ICP-MS	ICP-MS	A/AAS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
H1003						0.1	1	0.01	10	0.1	1	100	0.1	2	0.01	1
H1005																
H1007						UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN
H1008						0	0	0	0	0	0	0	0	0	0	0
D	NDHD0002	98	100	3000231	RC-CHIP	-0.1	2	0.01	3146.4	19.5	7	55497	0.5	11	3.99	52
D	NDHD0002	100	101.4	3000232	RC-CHIP	-0.1	1	0.01	3008.9	14.3	11	57269	1.5	6	3.54	31
D	NDHD0002	101.4	102	3000233	CORE-H	-0.1	-1	-0.01	3595.3	12.6	14	53178	3.4	9	3.18	20
D	NDHD0002	102	103	3000234	CORE-H	-0.1	-1	-0.01	4850.2	14.5	10	50075	1.5	12	3.92	20
D	NDHD0002	103	104	3000235	CORE-H	-0.1	-1	-0.01	3476.8	13.2	9	49367	1.5	13	3.66	21
D	NDHD0002	104	105	3000236	CORE-H	-0.1	-1	-0.01	3087.7	8.4	9	45373	1.3	12	3.74	19
D	NDHD0002	105	106	3000237	CORE-H	-0.1	1	-0.01	3435.5	5.7	8	40892	1	26	4.48	32
D	NDHD0002	106	107	3000238	CORE-H	-0.1	1	-0.01	1213.3	6.5	12	39789	2	31	5.63	59
D	NDHD0002	107	108	3000239	CORE-H	0.2	-1	-0.01	2288.7	9.7	12	55750	1.3	39	5.98	88
D	NDHD0002	108	109	3000240	CORE-H	-0.1	1	-0.01	3023.9	5.4	6	37092	1.3	30	3.75	52
D	NDHD0002	109	110	3000241	CORE-H	-0.1	-1	0.01	1528.7	9.6	13	44020	4.2	23	3.67	51
D	NDHD0002	110	111	3000242	CORE-H	-0.1	-1	-0.01	2785.1	7.5	14	63634	2	32	4.67	63
D	NDHD0002	111	112	3000243	CORE-H	-0.1	-1	-0.01	2614.6	8.1	24	59264	1	21	3.9	72
D	NDHD0002	112	113	3000244	CORE-H	1.2	-1	-0.01	2528.6	8.5	33	47324	1.2	27	4.3	53
D	NDHD0002	113	113.9	3000245	CORE-H	0.2	2	-0.01	1901.4	7.9	26	58915	3.4	31	4.97	74
D	NDHD0002	113.9	115	3000246	CORE-H	0.2	1	-0.01	2572	8.5	22	64886	1.2	42	5	95
D	NDHD0002	115	116	3000247	CORE-H	-0.1	1	-0.01	1212.4	7.8	19	43343	1.3	32	2.98	80
D	NDHD0002	116	117	3000248	CORE-H	-0.1	-1	-0.01	3579.8	5.1	8	31322	1.5	28	3.48	44
D	NDHD0002	117	118	3000249	CORE-H	-0.1	-1	0.01	8235	8.4	13	44664	2	18	3.92	32
D	NDHD0002	118	119	3000250	CORE-H	-0.1	-1	-0.01	1977.1	9	46	48493	1.5	35	6.38	97
D	NDHD0002	119	120	3000251	CORE-H	-0.1	-1	-0.01	487.5	12.8	43	62576	2.2	24	4.52	79
D	NDHD0002	120	121	3000252	CORE-H	-0.1	-1	-0.01	1077.8	3.8	17	24280	2.9	22	2.37	35
D	NDHD0002	121	122	3000253	CORE-H	-0.1	1	-0.01	1023	5.5	15	24624	1.1	21	2.5	35
D	NDHD0002	122	123	3000254	CORE-H	-0.1	1	-0.01	1185.8	2.4	7	15350	1.3	40	2.76	27
D	NDHD0002	123	123.8	3000255	CORE-H	-0.1	2	-0.01	1374.8	6.5	17	34794	2.1	39	4.95	88
D	NDHD0002	123.8	125	3000256	CORE-H	-0.1	1	-0.01	1796	12	14	48401	0.7	45	6.29	96
D	NDHD0002	125	126	3000257	CORE-H	-0.1	1	-0.01	3545.7	14.1	10	53895	0.5	51	4.57	98
D	NDHD0002	126	127	3000258	CORE-H	-0.1	1	-0.01	2854.1	9.1	9	45778	1.1	50	4.61	76
D	NDHD0002	127	128	3000261	CORE-H	0.2	2	-0.01	817	10.4	15	43087	1	38	5.02	93
D	NDHD0002	128	129	3000262	CORE-H	0.1	2	-0.01	621.8	6.1	5	35019	1.1	35	4.78	78
D	NDHD0002	129	130	3000263	CORE-H	0.1	3	0.01	1605.5	13.5	20	65776	0.8	44	5.01	99
D	NDHD0002	130	131	3000264	CORE-H	0.1	2	-0.01	638.2	15.6	17	51647	0.9	43	9.87	108
D	NDHD0002	131	132	3000265	CORE-H	-0.1	2	0.01	2589.8	11.5	28	59003	0.7	52	4.87	107
D	NDHD0002	132	133	3000266	CORE-H	-0.1	2	-0.01	1360	20.2	48	55555	0.7	45	4.17	115
D	NDHD0002	133	134	3000267	CORE-H	-0.1	-1	-0.01	800.7	6.4	7	40624	1	23	3.79	56
D	NDHD0002	134	135	3000268	CORE-H	-0.1	2	0.01	1366.6	9.1	11	43326	0.8	28	2.58	48
D	NDHD0002	135	136	3000269	CORE-H	-0.1	1	-0.01	2580.6	10.2	9	41656	0.8	43	3.41	61
D	NDHD0002	136	137	3000270	CORE-H	-0.1	-1	-0.01	2443.5	17.8	17	57345	0.4	39	5.44	101
D	NDHD0002	137	138	3000271	CORE-H	-0.1	-1	-0.01	2845.5	13.4	17	63302	0.8	47	5.26	90
D	NDHD0002	138	139	3000272	CORE-H	-0.1	-1	-0.01	1879.7	10.6	10	63193	0.8	31	3.75	93
D	NDHD0002	139	140	3000273	CORE-H	-0.1	-1	-0.01	3481.4	11	16	44587	0.6	41	7.33	93
D	NDHD0002	140	141	3000274	CORE-H	-0.1	-1	-0.01	2915.2	12.2	10	53952	0.7	39	4.45	95
D	NDHD0002	141	142	3000275	CORE-H	-0.1	2	0.01	2216.8	15.6	14	73202	0.6	43	5.26	104
D	NDHD0002	142	143	3000276	CORE-H	-0.1	-1	-0.01	2841.4	10.6	16	41791	1.2	40	4.09	92
D	NDHD0002	143	144	3000277	CORE-H	-0.1	2	-0.01	2033	9.8	15	39478	1.6	34	4.46	76
D	NDHD0002	144	145	3000278	CORE-H	-0.1	2	0.01	1417.6	10.8	24	31556	0.9	38	4.66	81
D	NDHD0002	145	146	3000279	CORE-H	0.3	2	-0.01	2159.2	12.8	14	48628	1.5	49	6.03	95
D	NDHD0002	146	147	3000280	CORE-H	-0.1	-1	-0.01	2519.1	12.9	24	55761	1.1	50	9.38	134
D	NDHD0002	147	148	3000281	CORE-H	-0.1	-1	-0.01	5778.7	11.9	26	37252	1	52	3.93	86

H1000	Hole_ID	Depfrom	Depto	Sample_ID	Sample_code	Ag	As	Au	Ba	Co	Cu	Fe	Mo	Pb	U	Zn
H1001						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						ICP-MS	ICP-MS	A/AAS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
H1003						0.1	1	0.01	10	0.1	1	100	0.1	2	0.01	1
H1005																
H1007						UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN
H1008						0	0	0	0	0	0	0	0	0	0	0
D	NDHD0002	148	149	3000282	CORE-H	-0.1	-1	-0.01	3457	9.7	25	46968	0.8	43	4.71	106
D	NDHD0002	149	150	3000283	CORE-H	-0.1	1	-0.01	2867.6	13	15	56426	1.5	31	4.54	89
D	NDHD0002	150	151	3000284	CORE-H	-0.1	1	-0.01	1779.3	7.3	16	33505	0.8	20	4.32	78
D	NDHD0002	151	152	3000285	CORE-H	-0.1	1	-0.01	2932.7	14.7	22	55389	1	34	5.44	91
D	NDHD0002	152	153	3000286	CORE-H	-0.1	-1	-0.01	1745.6	11.2	12	42625	1.1	26	3.56	90
D	NDHD0002	153	154	3000287	CORE-H	-0.1	-1	-0.01	2322.4	14.7	7	62247	0.5	24	5.02	149
D	NDHD0002	154	155	3000288	CORE-H	-0.1	-1	-0.01	1554.3	12.6	31	47904	1.1	44	6.19	152
D	NDHD0002	155	156	3000289	CORE-H	-0.1	2	0.01	1608.6	17.8	37	54422	0.7	26	5.23	153
D	NDHD0002	156	157	3000290	CORE-H	-0.1	-1	0.01	1415.8	6.6	17	22064	1.2	41	6.16	99
D	NDHD0002	157	158	3000291	CORE-H	-0.1	3	-0.01	1923.5	11.5	27	25983	1.5	52	4.26	84
D	NDHD0002	158	159	3000292	CORE-H	-0.1	-1	0.01	4123.8	19.7	42	53788	0.9	58	5.08	162
D	NDHD0002	159	160	3000293	CORE-H	-0.1	1	-0.01	3070.8	15.8	9	52891	0.5	39	6.19	166
D	NDHD0002	160	161	3000294	CORE-H	-0.1	1	-0.01	868.8	24.2	65	43479	4.3	52	7.15	243
D	NDHD0002	161	162	3000295	CORE-H	-0.1	1	-0.01	252.6	20	102	42889	7.7	65	9.04	698
D	NDHD0002	162	163	3000296	CORE-H	0.2	1	0.01	359.8	39.7	191	66181	8.2	75	10.17	463
D	NDHD0002	163	164	3000297	CORE-H	0.2	-1	0.01	319.1	32.3	118	52381	8.3	107	8.13	1020
D	NDHD0002	164	165	3000298	CORE-H	0.1	2	-0.01	352.9	18.4	104	49164	9.5	99	10.89	754
D	NDHD0002	165	166	3000301	CORE-H	0.2	-1	-0.01	284.6	23.6	115	52322	6.3	99	9.36	840
D	NDHD0002	166	167	3000302	CORE-H	0.1	-1	-0.01	533.7	27.9	104	60941	6.9	58	7.21	257
D	NDHD0002	167	168	3000303	CORE-H	-0.1	-1	-0.01	1519.6	24.8	83	57396	3.6	58	7.64	257
D	NDHD0002	168	169	3000304	CORE-H	-0.1	-1	-0.01	666.8	14.3	41	53026	1.8	52	7.34	209
D	NDHD0002	169	170	3000305	CORE-H	-0.1	-1	-0.01	860	18.1	75	61132	0.9	41	6.68	438
D	NDHD0002	170	171	3000306	CORE-H	-0.1	-1	-0.01	571.2	15.9	63	54733	4.3	46	8.36	195
D	NDHD0002	171	172	3000307	CORE-H	-0.1	1	-0.01	608.1	18.5	78	52525	1.3	36	7.64	161
D	NDHD0002	172	173	3000308	CORE-H	-0.1	-1	0.01	796.8	13.5	36	44972	1.7	45	6.62	159
D	NDHD0002	173	174	3000309	CORE-H	-0.1	-1	-0.01	891.7	6.6	20	28198	1.3	39	6.93	92
D	NDHD0002	174	175	3000310	CORE-H	-0.1	1	-0.01	983.6	11.6	57	34123	63.8	56	12.62	117
D	NDHD0002	175	176	3000311	CORE-H	-0.1	1	-0.01	606.6	12.1	47	37043	2.6	36	8.98	99
D	NDHD0002	176	177	3000312	CORE-H	-0.1	-1	0.01	518.3	22.4	125	52871	3.4	28	7.23	153
D	NDHD0002	177	178	3000313	CORE-H	-0.1	1	-0.01	610.8	22.6	96	54193	1.8	26	8.75	160
D	NDHD0002	178	178.8	3000314	CORE-H	-0.1	-1	-0.01	780.2	18.7	93	50052	2.8	32	7.46	124
D	NDHD0002	178.8	180	3000315	CORE-H	-0.1	-1	-0.01	794.8	13.2	47	27697	0.9	41	4.85	76
D	NDHD0002	180	181	3000316	CORE-H	-0.1	-1	-0.01	652.1	10.9	31	37353	0.8	46	3.57	76
D	NDHD0002	181	182	3000317	CORE-H	-0.1	1	-0.01	1040.9	12.4	35	60924	0.7	57	3.89	97
D	NDHD0002	182	183	3000318	CORE-H	-0.1	1	-0.01	1685.5	22.2	34	62731	0.6	56	3.13	104
D	NDHD0002	183	184	3000319	CORE-H	-0.1	-1	-0.01	572	9.1	7	47583	0.6	43	4.19	87
D	NDHD0002	184	185	3000320	CORE-H	-0.1	-1	-0.01	949.7	9	6	30911	0.5	36	3.44	74
D	NDHD0002	185	186	3000321	CORE-H	-0.1	-1	-0.01	2014.8	10.9	26	45918	0.6	44	4.18	76
D	NDHD0002	186	187	3000322	CORE-H	-0.1	1	-0.01	1705.8	15.1	69	47097	0.5	44	3.49	73
D	NDHD0002	187	188	3000323	CORE-H	-0.1	-1	-0.01	1435.9	11.3	6	33679	0.7	44	3.42	83
D	NDHD0002	188	189	3000324	CORE-H	-0.1	1	-0.01	3579.4	6.4	35	30964	2	47	2.5	38
D	NDHD0002	189	190	3000325	CORE-H	-0.1	1	-0.01	547.7	8.7	14	41987	1.6	38	3.51	57
D	NDHD0002	190	191	3000326	CORE-H	-0.1	-1	-0.01	515.3	11.8	21	44544	0.5	36	4.57	82
D	NDHD0002	192	193	3000327	CORE-H	-0.1	-1	-0.01	550.2	13.1	12	53713	0.4	28	3.93	122
D	NDHD0002	194	195	3000328	CORE-H	-0.1	1	-0.01	201.4	11	3	60070	1.5	27	4.46	80
D	NDHD0002	196	197	3000331	CORE-H	-0.1	-1	-0.01	343	9.2	3	39320	1.1	27	3.65	71
D	NDHD0002	198	199	3000332	CORE-H	-0.1	1	-0.01	390.5	9.5	2	40829	0.7	26	3.05	76
D	NDHD0002	200	201	3000333	CORE-H	-0.1	-1	-0.01	261.9	9.5	1	64253	0.7	28	3.93	93
D	NDHD0002	202	203	3000334	CORE-H	-0.1	1	-0.01	197.1	9	5	54378	0.9	34	3.93	77

H1000	Hole_ID	Depfrom	Depto	Sample_ID	Sample_code	Ag	As	Au	Ba	Co	Cu	Fe	Mo	Pb	U	Zn
H1001						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						ICP-MS	ICP-MS	A/AAS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
H1003						0.1	1	0.01	10	0.1	1	100	0.1	2	0.01	1
H1005																
H1007						UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN
H1008						0	0	0	0	0	0	0	0	0	0	0
D	NDHD0002	204	205	3000335	CORE-H	-0.1	-1	-0.01	161.9	7.4	4	23581	1.2	30	2.54	49
D	NDHD0002	206	207	3000336	CORE-H	-0.1	-1	-0.01	274.1	12.2	-1	48228	0.4	30	2.95	87
D	NDHD0002	208	209	3000337	CORE-H	-0.1	-1	-0.01	253.1	8.5	2	38539	1.5	21	2.45	62
D	NDHD0002	210	211	3000338	CORE-H	-0.1	-1	-0.01	297.7	10.1	-1	37932	0.8	32	3.32	69
D	NDHD0002	212	213	3000339	CORE-H	-0.1	-1	-0.01	311.4	11.7	1	39240	0.3	33	2.95	48
D	NDHD0002	214	215	3000340	CORE-H	-0.1	-1	-0.01	290.1	15.9	-1	31126	0.3	23	2.43	28
D	NDHD0002	216	217	3000341	CORE-H	-0.1	2	-0.01	396.7	22.5	5	45493	0.2	33	4.47	79
D	NDHD0002	218	219	3000342	CORE-H	-0.1	1	-0.01	222.7	19	3	37711	0.4	30	3.66	66
D	NDHD0002	220	221	3000343	CORE-H	-0.1	2	-0.01	464.9	17.9	14	20283	0.8	46	1.73	47
D	NDHD0002	222	223	3000344	CORE-H	-0.1	2	-0.01	329.8	100.7	71	88016	3.6	31	1.86	70
D	NDHD0002	224	225	3000345	CORE-H	-0.1	-1	-0.01	430.9	11.9	4	28748	0.4	24	2.44	54
D	NDHD0002	226	227	3000346	CORE-H	-0.1	2	-0.01	220.5	12	5	38154	0.7	30	3.25	58
D	NDHD0002	227	228	3000347	CORE-H	-0.1	-1	0.02	165.3	8.2	2	30486	0.8	23	4.91	38
D	NDHD0002	228	229	3000348	CORE-H	-0.1	-1	-0.01	113.7	1.5	4	6888	1.8	18	1.46	19
D	NDHD0002	229	230	3000349	CORE-H	-0.1	1	-0.01	150.7	6.6	3	18964	1.4	26	2.58	24
D	NDHD0002	230	231	3000350	CORE-H	-0.1	2	-0.01	183.1	15.7	3	31328	1.3	30	3.45	33
D	NDHD0002	231	232	3000351	CORE-H	-0.1	2	0.01	122.8	17.7	5	30917	1.9	29	2.93	29
D	NDHD0002	232	233	3000352	CORE-H	-0.1	2	-0.01	105.3	23	6	33705	2.9	34	3.54	33
D	NDHD0002	233	234	3000353	CORE-H	0.2	2	-0.01	182.9	14.8	6	38424	2.6	29	2.8	33
D	NDHD0002	234	235	3000354	CORE-H	0.2	1	-0.01	130.1	11.4	4	47193	3	24	3.01	36
D	NDHD0002	235	236	3000355	CORE-H	0.1	1	-0.01	153.5	13.1	4	44537	2.2	36	2.8	37
D	NDHD0002	236	237	3000356	CORE-H	-0.1	2	-0.01	110.5	9.8	5	31149	2.9	23	2.52	32
D	NDHD0002	237	238	3000357	CORE-H	-0.1	1	-0.01	153.3	11.4	5	33988	3.3	23	4.05	32
D	NDHD0002	238	239	3000358	CORE-H	-0.1	2	-0.01	208.6	15.5	7	45916	2.9	23	3.24	50
D	NDHD0002	239	240	3000361	CORE-H	0.2	1	-0.01	100.1	6.1	19	20827	4.1	23	2.06	27
D	NDHD0002	240	241	3000362	CORE-H	0.1	2	-0.01	44.2	10.1	9	32172	4.3	20	2.87	24
D	NDHD0002	241	242	3000363	CORE-H	-0.1	2	-0.01	63.9	11.4	8	55064	4.1	24	3.39	24
D	NDHD0002	242	243	3000364	CORE-H	-0.1	2	-0.01	138.2	23.3	4	45013	2.8	30	4.64	32
D	NDHD0002	243	244	3000365	CORE-H	-0.1	2	-0.01	284.9	18.3	2	51208	1.5	30	4.95	47
D	NDHD0002	244	245	3000366	CORE-H	-0.1	5	-0.01	327.3	74.9	1	40725	1.1	33	3.88	40
D	NDHD0002	245	246	3000367	CORE-H	-0.1	2	-0.01	114	20.7	3	33247	1.4	23	2.26	30
D	NDHD0002	246	247	3000368	CORE-H	-0.1	1	-0.01	196.1	8.1	2	40136	1.5	18	2.06	32
D	NDHD0002	247	248	3000369	CORE-H	-0.1	2	-0.01	160.6	10.1	3	27854	2.4	16	1.72	32
D	NDHD0002	248	249	3000370	CORE-H	-0.1	-1	-0.01	488.1	13.3	-1	75650	0.6	23	6.6	66
D	NDHD0002	249	250	3000371	CORE-H	-0.1	3	-0.01	242	18.5	3	49306	1.3	25	3.47	53
D	NDHD0002	250	251	3000372	CORE-H	-0.1	3	-0.01	142.5	10.5	4	33045	0.9	32	2.38	38
D	NDHD0002	251	252	3000373	CORE-H	-0.1	2	-0.01	81	21.8	4	31465	1.6	32	1.89	27
D	NDHD0002	252	253	3000374	CORE-H	-0.1	1	-0.01	93.8	20.9	3	37639	1.2	29	2.25	31
D	NDHD0002	253	254	3000375	CORE-H	-0.1	2	-0.01	115.1	35	2	51587	1.4	25	4.34	32
D	NDHD0002	254	255	3000376	CORE-H	-0.1	1	-0.01	295.8	24.3	2	68927	0.7	25	5.08	48
D	NDHD0002	255	256	3000377	CORE-H	-0.1	2	-0.01	326.2	12.6	1	43797	0.9	26	5.31	31
D	NDHD0002	256	257	3000378	CORE-H	-0.1	-1	-0.01	390.4	12.8	-1	40996	1	19	2.83	38
D	NDHD0002	258	259	3000379	CORE-H	-0.1	-1	-0.01	290.8	5.5	1	29726	0.8	18	6.8	26
D	NDHD0002	260	261	3000380	CORE-H	-0.1	-1	-0.01	350.7	13.3	2	49255	0.6	18	2.3	45
D	NDHD0002	262	263	3000381	CORE-H	-0.1	1	-0.01	116.3	14.5	7	21539	1.4	20	1.83	30
D	NDHD0002	264	265	3000382	CORE-H	-0.1	2	-0.01	149.6	68.6	2	34861	0.8	29	3.37	33
D	NDHD0002	266	267	3000383	CORE-H	-0.1	-1	-0.01	278.1	8.4	1	39332	1.1	19	3.85	34
D	NDHD0002	268	269	3000384	CORE-H	-0.1	-1	-0.01	245.4	11.5	2	35513	0.8	33	2.32	47
D	NDHD0002	270	271	3000385	CORE-H	-0.1	-1	-0.01	202.4	11.6	3	43410	1.3	27	3.14	37

H1000	Hole_ID	Depfrom	Depto	Sample_ID	Sample_code	Ag	As	Au	Ba	Co	Cu	Fe	Mo	Pb	U	Zn
H1001						ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1002						ICP-MS	ICP-MS	A/AAS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
H1003						0.1	1	0.01	10	0.1	1	100	0.1	2	0.01	1
H1005																
H1007						UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN	UNKN
H1008						0	0	0	0	0	0	0	0	0	0	0
D	NDHD0002	272	273	3000386	CORE-H	-0.1	-1	-0.01	179.7	8.7	2	42330	1.1	18	2.62	35
D	NDHD0002	274	275	3000387	CORE-H	-0.1	-1	-0.01	327.5	11	-1	60839	0.7	20	2.47	41
D	NDHD0002	276	277	3000388	CORE-H	-0.1	-1	-0.01	392	11	-1	60282	0.7	22	2.58	40
D	NDHD0002	278	279	3000389	CORE-H	-0.1	2	-0.01	331.4	7.4	-1	48952	0.7	29	4.32	63
D	NDHD0002	280	281	3000390	CORE-H	-0.1	1	-0.01	382.9	7.5	1	30490	0.6	32	2.82	78
D	NDHD0002	282	283	3000391	CORE-H	-0.1	-1	-0.01	340.7	7.2	2	37326	0.7	26	2.48	79
D	NDHD0002	284	285	3000392	CORE-H	-0.1	-1	-0.01	218.3	6.6	2	31799	0.9	26	1.94	53
D	NDHD0002	286	287	3000393	CORE-H	-0.1	-1	-0.01	297.8	6.6	-1	27284	0.6	33	2.27	48
D	NDHD0002	288	289	3000394	CORE-H	-0.1	1	-0.01	305	5.2	-1	23840	0.6	25	2.13	40
D	NDHD0002	290	291	3000395	CORE-H	0.9	1	-0.01	401.5	7.4	1	35751	0.7	34	1.9	93
D	NDHD0002	292	293	3000396	CORE-H	-0.1	-1	-0.01	355.8	7.3	-1	38913	0.4	25	4.27	77
D	NDHD0002	294	295	3000397	CORE-H	-0.1	1	-0.01	401.8	7.8	2	37885	0.4	28	2.7	104
D	NDHD0002	296	297	3000398	CORE-H	-0.1	-1	-0.01	209.4	10.7	2	41679	1.2	21	2.21	84
D	NDHD0002	298	299	3000401	CORE-H	-0.1	1	-0.01	372.3	6.8	2	33748	0.4	43	2.29	89
D	NDHD0002	300	301	3000402	CORE-H	-0.1	-1	-0.01	468.8	5.1	3	29446	1.5	57	15.35	75
D	NDHD0002	302	303	3000403	CORE-H	-0.1	2	-0.01	441.5	4.6	2	25179	0.7	49	6	65
D	NDHD0002	304	305	3000404	CORE-H	-0.1	-1	-0.01	437	8.1	2	49294	0.4	52	3.17	124
D	NDHD0002	306	307	3000405	CORE-H	-0.1	-1	-0.01	896	7.4	-1	43406	0.3	76	2.67	133
D	NDHD0002	308	309	3000406	CORE-H	-0.1	1	-0.01	806.2	10.8	1	44017	0.5	51	2.89	110
EOF																

APPENDIX 3

Lithology

H1000	Hole_ID	Depfrom	Depto	Lithology	Lithology_raw	Lithology_Description	RTM1	RTM2	RTM3	RTM4	RTM5	RTM6	RTQ1	RTQ2	RTQ3	RTQ4	RTQ5	RTQ6
H1001		metres	metres															
H1004		1	1															
D	NDHD0002	0	7	-	REG	Regolith												
D	NDHD0002	7	28	-	REG	Regolith												
D	NDHD0002	28	78	-	REG	Regolith												
D	NDHD0002	78	94	-	REG	Regolith												
D	NDHD0002	94	101.4	-	REG	Regolith												
D	NDHD0002	101.4	123.8	-	MHG	High grade metamorphic												
D	NDHD0002	123.8	142	-	IM	Intrusive Mafic												
D	NDHD0002	142	231	-	MHG	High grade metamorphic												
D	NDHD0002	231	233	-	UKN	Unknown												
D	NDHD0002	233	239	-	MHG	High grade metamorphic												
D	NDHD0002	239	242.65	-	UKN	Unknown												
D	NDHD0002	242.7	309.2	-	MHG	High grade metamorphic												
EOF																		

APPENDIX 4

Downhole Magnetic Susceptibility

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	0	1	19			19			
D	NDHD0002	1	2	1161			1161			
D	NDHD0002	2	3	316			316			
D	NDHD0002	3	4	476			476			
D	NDHD0002	4	5	258			258			
D	NDHD0002	5	6	202			202			
D	NDHD0002	6	7	155			155			
D	NDHD0002	7	8	563			563			
D	NDHD0002	8	9	227			227			
D	NDHD0002	9	10	125			125			
D	NDHD0002	10	11	299			299			
D	NDHD0002	11	12	319			319			
D	NDHD0002	12	13	12			12			
D	NDHD0002	13	14	10			10			
D	NDHD0002	14	15	7			7			
D	NDHD0002	15	16	2			2			
D	NDHD0002	16	17	38			38			
D	NDHD0002	17	18	123			123			
D	NDHD0002	18	19	1			1			
D	NDHD0002	19	20	10			10			
D	NDHD0002	20	21	2			2			
D	NDHD0002	21	22	1			1			
D	NDHD0002	22	23	2			2			
D	NDHD0002	23	24	251			251			
D	NDHD0002	24	25	12			12			
D	NDHD0002	25	26	50			50			
D	NDHD0002	26	27	47			47			
D	NDHD0002	27	28	12			12			
D	NDHD0002	28	29	2			2			
D	NDHD0002	29	30	1			1			
D	NDHD0002	30	31	2			2			
D	NDHD0002	31	32	19			19			
D	NDHD0002	32	33	12			12			
D	NDHD0002	33	34	7			7			
D	NDHD0002	34	35	3			3			

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	35	36	1			1			
D	NDHD0002	36	37	3			3			
D	NDHD0002	37	38	3			3			
D	NDHD0002	38	39	1			1			
D	NDHD0002	39	40	1			1			
D	NDHD0002	40	41	1			1			
D	NDHD0002	41	42	1			1			
D	NDHD0002	42	43	1			1			
D	NDHD0002	43	44	16			16			
D	NDHD0002	44	45	16			16			
D	NDHD0002	45	46	110			110			
D	NDHD0002	46	47	1			1			
D	NDHD0002	47	48	2			2			
D	NDHD0002	48	49	7			7			
D	NDHD0002	49	50	1			1			
D	NDHD0002	50	51	1			1			
D	NDHD0002	51	52	1			1			
D	NDHD0002	52	53	1			1			
D	NDHD0002	53	54	1			1			
D	NDHD0002	54	55	1			1			
D	NDHD0002	55	56	1			1			
D	NDHD0002	56	57	1			1			
D	NDHD0002	57	58	1			1			
D	NDHD0002	58	59	1			1			
D	NDHD0002	59	60	1			1			
D	NDHD0002	60	61	1			1			
D	NDHD0002	61	62	1			1			
D	NDHD0002	62	63	1			1			
D	NDHD0002	63	64	1			1			
D	NDHD0002	64	65	1			1			
D	NDHD0002	65	66	1			1			
D	NDHD0002	66	67	1			1			
D	NDHD0002	67	68	1			1			
D	NDHD0002	68	69	1			1			
D	NDHD0002	69	70	1			1			

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	70	71	1			1			
D	NDHD0002	71	72	1			1			
D	NDHD0002	72	73	1			1			
D	NDHD0002	73	74	1			1			
D	NDHD0002	74	75	1			1			
D	NDHD0002	75	76	1			1			
D	NDHD0002	76	77	1			1			
D	NDHD0002	77	78	1			1			
D	NDHD0002	78	79	7			7			
D	NDHD0002	79	80	1			1			
D	NDHD0002	80	81	1			1			
D	NDHD0002	81	82	1			1			
D	NDHD0002	82	83	1			1			
D	NDHD0002	83	84	1			1			
D	NDHD0002	84	85	1			1			
D	NDHD0002	85	86	1			1			
D	NDHD0002	86	87	1			1			
D	NDHD0002	87	88	1			1			
D	NDHD0002	88	89	1			1			
D	NDHD0002	89	90	1			1			
D	NDHD0002	90	91	1			1			
D	NDHD0002	91	92	1			1			
D	NDHD0002	92	93	2			2			
D	NDHD0002	93	94	50			50			
D	NDHD0002	94	95	57			57			
D	NDHD0002	95	96	37			37			
D	NDHD0002	96	97	45			45			
D	NDHD0002	97	98	62			62			
D	NDHD0002	98	99	66			66			
D	NDHD0002	99	100	62			62			
D	NDHD0002	100	101	48			48			
D	NDHD0002	101	101.4	65			65			
D	NDHD0002	101.4	102	1			1			
D	NDHD0002	102	103	1			1			
D	NDHD0002	103	104	1			1			

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	104	105	1			1			
D	NDHD0002	105	106	1			1			
D	NDHD0002	106	107	1			1			
D	NDHD0002	107	108	1			1			
D	NDHD0002	108	109	1			1			
D	NDHD0002	109	110	1			1			
D	NDHD0002	110	111	1			1			
D	NDHD0002	111	112	1			1			
D	NDHD0002	112	113	10			10			
D	NDHD0002	113	114	1			1			
D	NDHD0002	114	115	1			1			
D	NDHD0002	115	116	1			1			
D	NDHD0002	116	117	1			1			
D	NDHD0002	117	118	1			1			
D	NDHD0002	118	119	1			1			
D	NDHD0002	119	120	1			1			
D	NDHD0002	120	121	1			1			
D	NDHD0002	121	122	1			1			
D	NDHD0002	122	123	1			1			
D	NDHD0002	123	124	1			1			
D	NDHD0002	124	125	710			710			
D	NDHD0002	125	126	536			536			
D	NDHD0002	126	127	316			316			
D	NDHD0002	127	128	172			172			
D	NDHD0002	128	129	22			22			
D	NDHD0002	129	130	723			723			
D	NDHD0002	130	131	637			637			
D	NDHD0002	131	132	308			308			
D	NDHD0002	132	133	367			367			
D	NDHD0002	133	134	282			282			
D	NDHD0002	134	135	105			105			
D	NDHD0002	135	136	1206			1206			
D	NDHD0002	136	137	208			208			
D	NDHD0002	137	138	972			972			
D	NDHD0002	138	139							

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	139	140							
D	NDHD0002	140	141							
D	NDHD0002	141	142	533			533			
D	NDHD0002	142	143	1116			1116			
D	NDHD0002	143	144	385			385			
D	NDHD0002	144	145	594			594			
D	NDHD0002	145	146	2114			2114			
D	NDHD0002	146	147	1202			1202			
D	NDHD0002	147	148	6171			6171			
D	NDHD0002	148	149	4338			4338			
D	NDHD0002	149	150	3103			3103			
D	NDHD0002	150	151	2334			2334			
D	NDHD0002	151	152	990			990			
D	NDHD0002	152	153	2088			2088			
D	NDHD0002	153	154	2890			2890			
D	NDHD0002	154	155	4110			4110			
D	NDHD0002	155	156	4550			4550			
D	NDHD0002	156	157	120			120			
D	NDHD0002	157	158	630			630			
D	NDHD0002	158	159	4295			4295			
D	NDHD0002	159	160	2261			2261			
D	NDHD0002	160	161	184			184			
D	NDHD0002	161	162	1			1			
D	NDHD0002	162	163	1			1			
D	NDHD0002	163	164	1			1			
D	NDHD0002	164	165	1			1			
D	NDHD0002	165	166	102			102			
D	NDHD0002	166	167	1			1			
D	NDHD0002	167	168	1			1			
D	NDHD0002	168	169	1			1			
D	NDHD0002	169	170	1			1			
D	NDHD0002	170	171	1			1			
D	NDHD0002	171	172	1			1			
D	NDHD0002	172	173	1			1			
D	NDHD0002	173	174	1			1			

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	174	175	1			1			
D	NDHD0002	175	176	1			1			
D	NDHD0002	176	177	1			1			
D	NDHD0002	177	178	1			1			
D	NDHD0002	178	179	1			1			
D	NDHD0002	179	180	1			1			
D	NDHD0002	180	181	749			749			
D	NDHD0002	181	182	2641			2641			
D	NDHD0002	182	183	7653			7653			
D	NDHD0002	183	184	4843			4843			
D	NDHD0002	184	185	5739			5739			
D	NDHD0002	185	186	3106			3106			
D	NDHD0002	186	187	2464			2464			
D	NDHD0002	187	188	272			272			
D	NDHD0002	188	189	1			1			
D	NDHD0002	189	190	1			1			
D	NDHD0002	190	191	1			1			
D	NDHD0002	191	192	1			1			
D	NDHD0002	192	193	1			1			
D	NDHD0002	193	194	5079			5079			
D	NDHD0002	194	195	1			1			
D	NDHD0002	195	196	1			1			
D	NDHD0002	196	197	1			1			
D	NDHD0002	197	198	1			1			
D	NDHD0002	198	199	11			11			
D	NDHD0002	199	200	1			1			
D	NDHD0002	200	201	6252			6252			
D	NDHD0002	201	202	909			909			
D	NDHD0002	202	203	6947			6947			
D	NDHD0002	203	204	1			1			
D	NDHD0002	204	205	1			1			
D	NDHD0002	205	206	1			1			
D	NDHD0002	206	207	1			1			
D	NDHD0002	207	208	8740			8740			
D	NDHD0002	208	209	1			1			

H1000	Hole_ID	Depfrom	Depto	Reading1	Reading2	Reading3	AveReading	Sample_code	Unit_code	Instrument
D	NDHD0002	209	210	1			1			
D	NDHD0002	210	211	1			1			
D	NDHD0002	211	212	1			1			
D	NDHD0002	212	213	1			1			
D	NDHD0002	213	214	1			1			
D	NDHD0002	214	215	1			1			
D	NDHD0002	215	216	1			1			
D	NDHD0002	216	217	1			1			
D	NDHD0002	217	218	1			1			
D	NDHD0002	218	219	1			1			
D	NDHD0002	219	220	1			1			
D	NDHD0002	220	221	1			1			
D	NDHD0002	221	222	15			15			
D	NDHD0002	222	223	6645			6645			
D	NDHD0002	223	224	1			1			
D	NDHD0002	224	225	1			1			
D	NDHD0002	225	226	1			1			
EOF										

APPENDIX 5

Downhole Surveys

H1000	Hole ID	Depth	Inclination	Azimuth
H1001			degrees	Deg
H1004			1	1
D	NDHD0002	0	-60	180
D	NDHD0002	58	-60.6	180
D	NDHD0002	153.2	-60	178.3
D	NDHD0002	201.2	-59.6	179.7
D	NDHD0002	255.2	-59.5	181.4
D	NDHD0002	303.2	-59.2	180.7
EOF				