

Received
5/7/94
Go

EXPLORATION LICENCE 2/92

"LISLE"

OPEN FILE

ANNUAL REPORT ON EXPLORATION ACTIVITY

JULY 1993 TO JUNE 1994

MICROFILMED

FICHE No.013189-91

94-3579

Grant MacDonald
June 1994



MACMIN N.L.

P.O. Box 7996
Gold Coast Mail Centre
Queensland 4217

Telephone: (075) 922274
Facsimile: (075) 922275

TABLE OF CONTENTS

	<u>PAGE NO.</u>
1.0 <u>SUMMARY</u>	1
2.0 <u>INTRODUCTION</u>	2
2.1 Location	2
2.2 Tenure	2
2.3 Land Usage and Access	2
2.4 Topography	3
3.0 <u>GEOLOGY</u>	4
4.0 <u>PREVIOUS EXPLORATION</u>	5
5.0 <u>WORK CONDUCTED</u>	7
6.0 <u>CONCLUSIONS AND RECOMMENDATIONS</u>	9
6.1 Introduction	9
6.2 Conclusions	9
6.3 Recommendations	12

FIGURES

Figure No.	Title	Scale
1	Goldfields and Granitoids in N.E. Tasmania	as shown
2	Regional Geology	as shown
3	Stream and soil Geochemical Anomalies	as shown
4	Geological Trends from Ridges and Creeks	as shown
5	Possible Target Models	as shown
6	Geology and Soil Sample Anomalies	as shown
7	Reconnaissance Soil Lines, Sample Locations (Results) Sheet 1	1:5000
8	Reconnaissance Soil Lines, Sample Locations (Results) Sheet 2	1:5000
9	Reconnaissance Soil Lines, Sample Locations (Results) Sheet 3	1:5000

TABLES

Table No.	Title
1	Soil Assay Results - Batch 1
2	Soil Assay Results - Batch 2

1.0 SUMMARY

The Lisle goldfield produced around 250,000 ounces of gold from around 1878 to 1909 but has seen little recent systematic exploration.

In the 1993-94 year around 3,000 A-horizon soil and 21 rock samples were collected on road, ridge, contour and compass traverses following-up anomalous stream sediments, soils and geology defined by old workings and the limited modern exploration. Traverses were conducted outside of the main Lisle basin.

A number of anomalous zones were defined with both the ridge to the south and west of the Lisle basin and the Golconda area giving the most consistently anomalous gold values and the Panama basin being quite anomalous in arsenic.

Further soil sampling is recommended to better define anomalous zones. In conjunction with better geological analysis and perhaps ground magnetics it is expected that drill targets will be defined ready for testing later in the year.

2.0 INTRODUCTION

2.1 Location

E.L. 2/92 "Lisle" lies in the north-east of Tasmania, about 30 km from Launceston. (see Figure 1).

2.2 Tenure

E.L. 2/92 "Lisle" was issued to R.D. & R.J. McNeil on 24 July 1992. On 16/10/92 the title was transferred to MACMIN N.L.

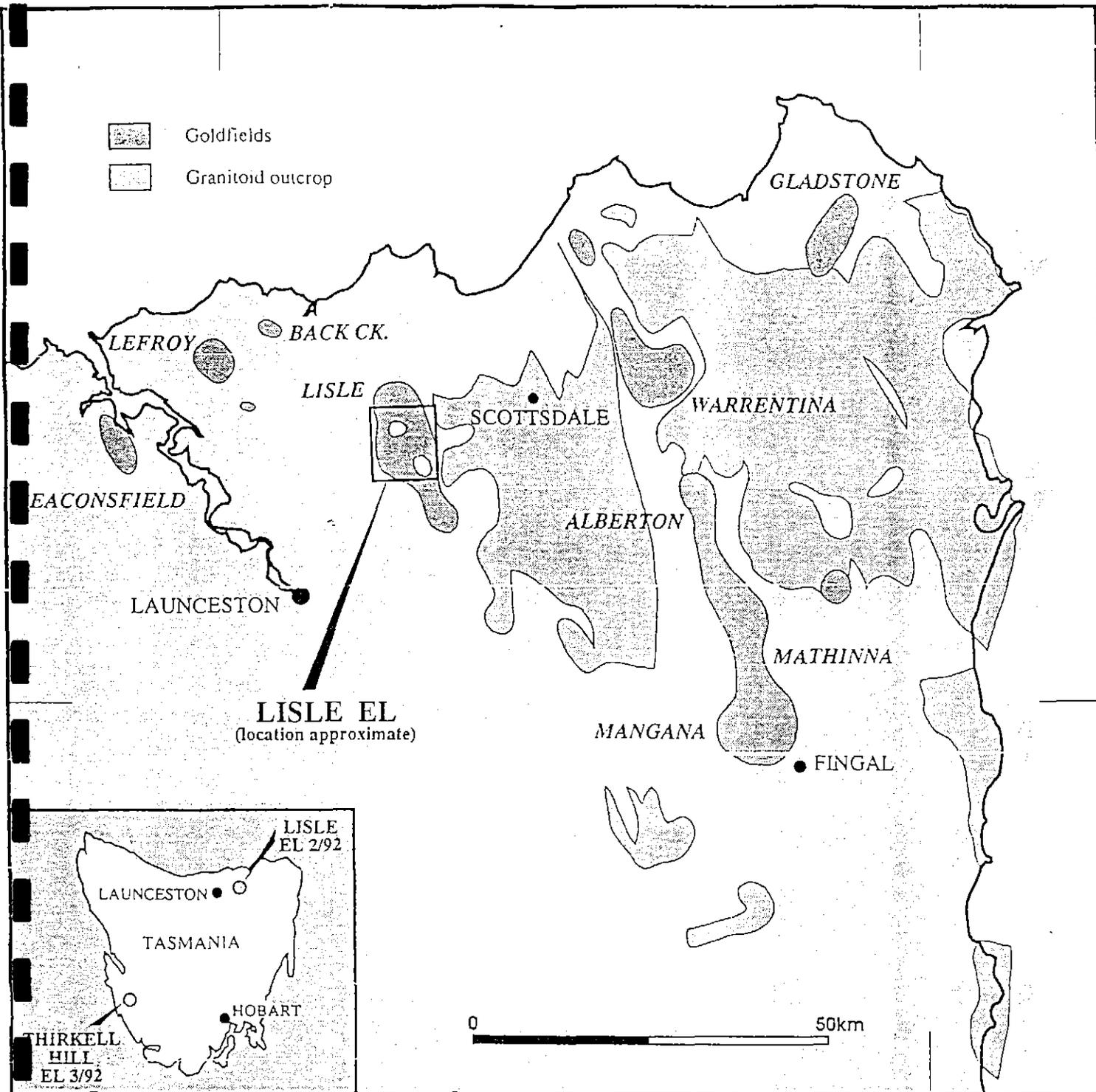
E.L. 2/92 is bounded by A.M.G. lines 5443000m N and 5431000m N to the north and south respectively and A.M.G. lines 523000m E and 529000m E to the west and east respectively.

There are a number of exclusions, these being M.L.'s held by prospectors chasing alluvial gold.

2.3 Land Usage and Access

The area is largely used for forestry with extensive pine plantations and areas of old and regrowth dry and wet sclerophyll forest. The northern third of the E.L. contains a number of farms and private land-holdings, however, in general these lie on relatively unprospective ground.

The E.L. is serviced by a bitumen road to the north and a dirt road to the south. Within the E.L. numerous forestry roads provide good access to most of the prospective rocks.



GOLD PRODUCTION - N.E. TASMANIA

GLADSTONE	0.2t	WARRENTINA	0.1t
MANGANA	0.5t	LISLE	10.0t
MATHINNA	8.8t	BACK CREEK	0.3t
DANS RIVULET	0.1t	LEFROY	5.2t
ALBERTON	0.8t	BEACONSFIELD	27.8t

5 cm

MACMIN N.L.
 LISLE - GOLCONDA GOLDFIELDS
 NORTHWEST TASMANIA
 E.L. 2/82 - LISLE

**GOLDFIELDS AND GRANITOIDS
 IN NORTHEAST TASMANIA**

Geologist: P. Smith. Date: MAY 1984. Plate: 1
 Drawn: NORTHPOINT CARTOGRAPHICS. Only for LISLE EL 2/82 UGN

2.4 Topography

The maximum relief of the area is 400 m. The main Lisle goldfield occupies a basin-like depression with steep ridges ringing it on all sides except to the north where the Lisle Creek passes through a gorge. The Lone Star and Panama goldfields occupy similar but smaller depressions.

The steep slopes are generally covered by talus deposits which obscure the bedrock geology.

3.0 GEOLOGY

The geology of the Lisle area has been described in some detail in last years Annual Report for E.L. 2/92.

A simplified geological map is shown as Figure 2 and as the base for Figure 6.

The oldest rocks are Ordovician to Early Devonian Mathinna Beds consisting of quartz-wacke to pelitic turbidites. These were multiply folded in the mid Devonian prior to being intruded by granitic to dioritic rocks of the Scottsdale batholith forming contact metamorphic aureoles.

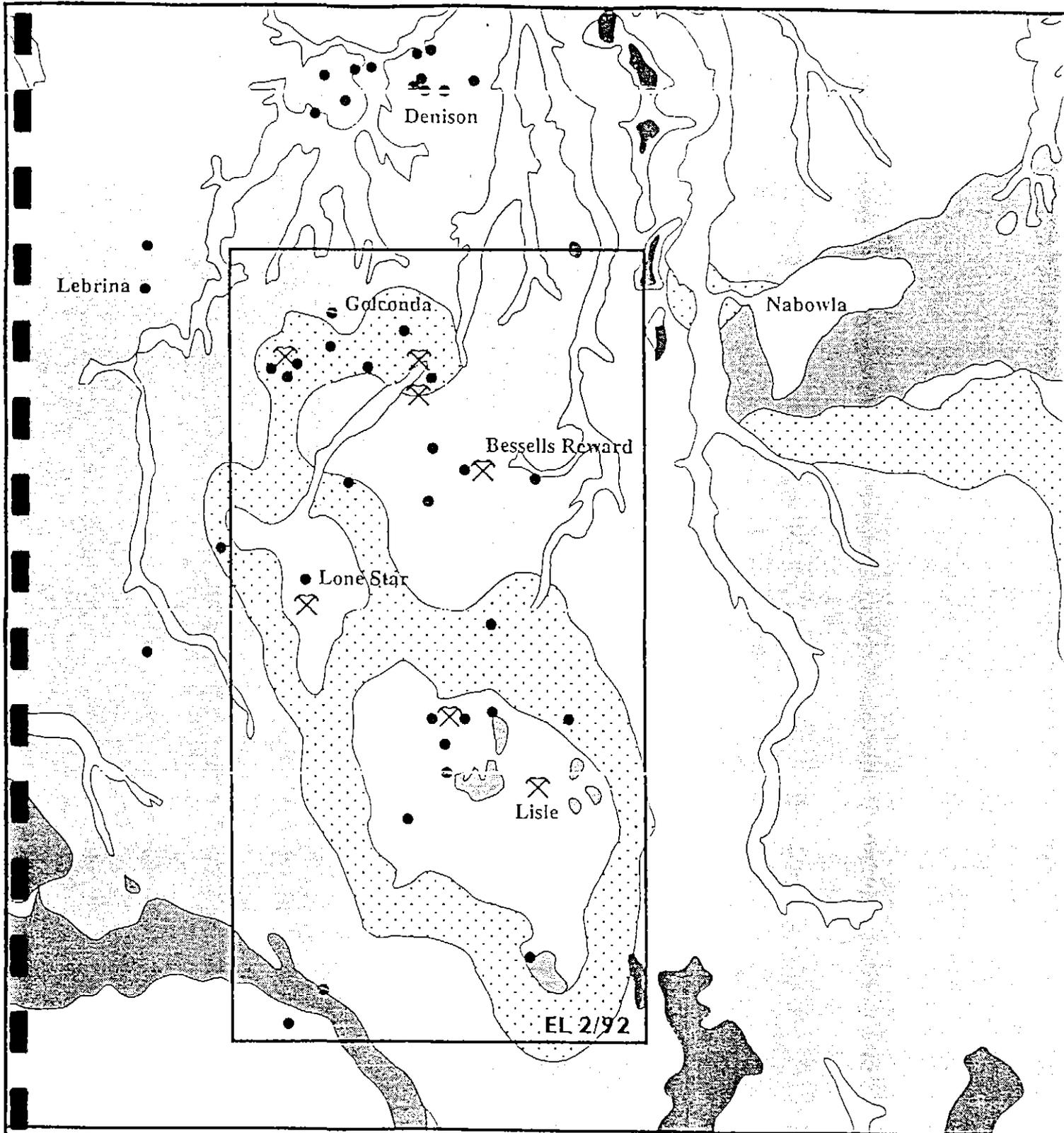
Sediments in these metamorphic aureoles are spotty or hornfelsed with the black hornfelsed rocks probably representing metamorphosed black shales.

Unconformably overlying these rocks are Permian sediments, which have been largely removed by erosion and are now only seen in the south-west corner of the licence.

Tertiary basalts outcrop in the far north-east and south-east of the E.L. and occupy palaeo-topographic lows.

Primary gold mineralisation is generally considered to be syn-tectonic with perhaps some remobilisation associated with the granitic intrusions.

The source of the alluvials in the Lisle basin is the source of much conjecture and is not considered here.



- | | | | |
|---|---------------------------------|---|---|
|  | Quaternary & Tertiary sediments |  | Devonian granodiorite |
|  | Tertiary basalt |  | Mathinna beds - hornfelsed |
|  | Permian sediments |  | Mathinna beds - quartzite, slate, black shale |
|  | Reported Gold occurrence | | |



MACMIN N.L.
 LIBLE - GOLCONDA GOLDFIELDS
 NORTHWEST TASMANIA
 E.L. 2/92 - LIBLE

REGIONAL GEOLOGY

Compiled P. MANN	Date: MAY 1974	PLATE: 2
G.A. NORTHGENT CARICOURT/ARTISTS	Drawn by	L.F. EBBELGAN

4.0 PREVIOUS EXPLORATION

Gold was first discovered in the Lisle area by Charles Bessell in the 1870's with the alluvials in the valleys worked vigorously until around 1910. At the same time small hard-rock lode gold deposits were worked at Bessell's Reward, Golconda and Panama with variable degrees of success. Since then the alluvials have been worked periodically on a small scale to the present day.

Modern exploration commenced with Comalco in 1976. Comalco completed stream sediment sampling and rock chip sampling but because of analytical errors their rock chip results are of uncertain value.

From 1983-1986 BP Minerals/Seltrust carried out a program of mapping, rock chip sampling, stream sediment sampling, aeromagnetic surveying and open hole percussion drilling - mainly within the Lisle Basin. Their work showed a geochemical association of gold with arsenic, silver, chalcopyrite and pyrite but little else of particular significance.

The aeromagnetic survey results were of interest as they partly delineated the subsurface expression of the Lisle magnetic granitoid cupolas and also defined a zone of low magnetic intensity concentrically disposed around the granitoids. BP/Seltrust interpreted this latter zone to be one of alteration (magnetite degradation) and were particularly interested in small discrete magnetic highs that were scattered throughout this zone. Perhaps they regarded these as potential pyrrhotite hosted auriferous deposits.

BP/Seltrust followed up magnetic and geological targets using open hole percussion drilling mainly within the granodiorite in the base of the Lisle Basin, but the program suffered from poor drilling conditions. Holes averaged 40-50 m depth but often collapsed before a satisfactory test was completed.

Samples were collected and analysed for gold but the AAS technique was employed for analysis. Most holes terminated in clays ex-granitoid although some intersected both Mathinna Beds and granitoids.

Argyle Minerals from 1986 to 1988 carried out an aerial photo interpretation followed up by limited rock chip sampling and bulk sampling at the Denison River Goldfield.

Billiton in 1990-91 completed a preliminary regional assessment and a prospect specific preliminary assessment.

The regional assessment was a stream sediment survey of much of NE Tasmania and included three samples at each site (about 30 samples).

- 5 kg bulk sample for Bleg Au
- -80 mesh silt sample for Au, Pb, Su, As, Cu, Zn and Ag
- Pan concentrate sample for Au, Pb, Su, As, Cu, Zn and Ag

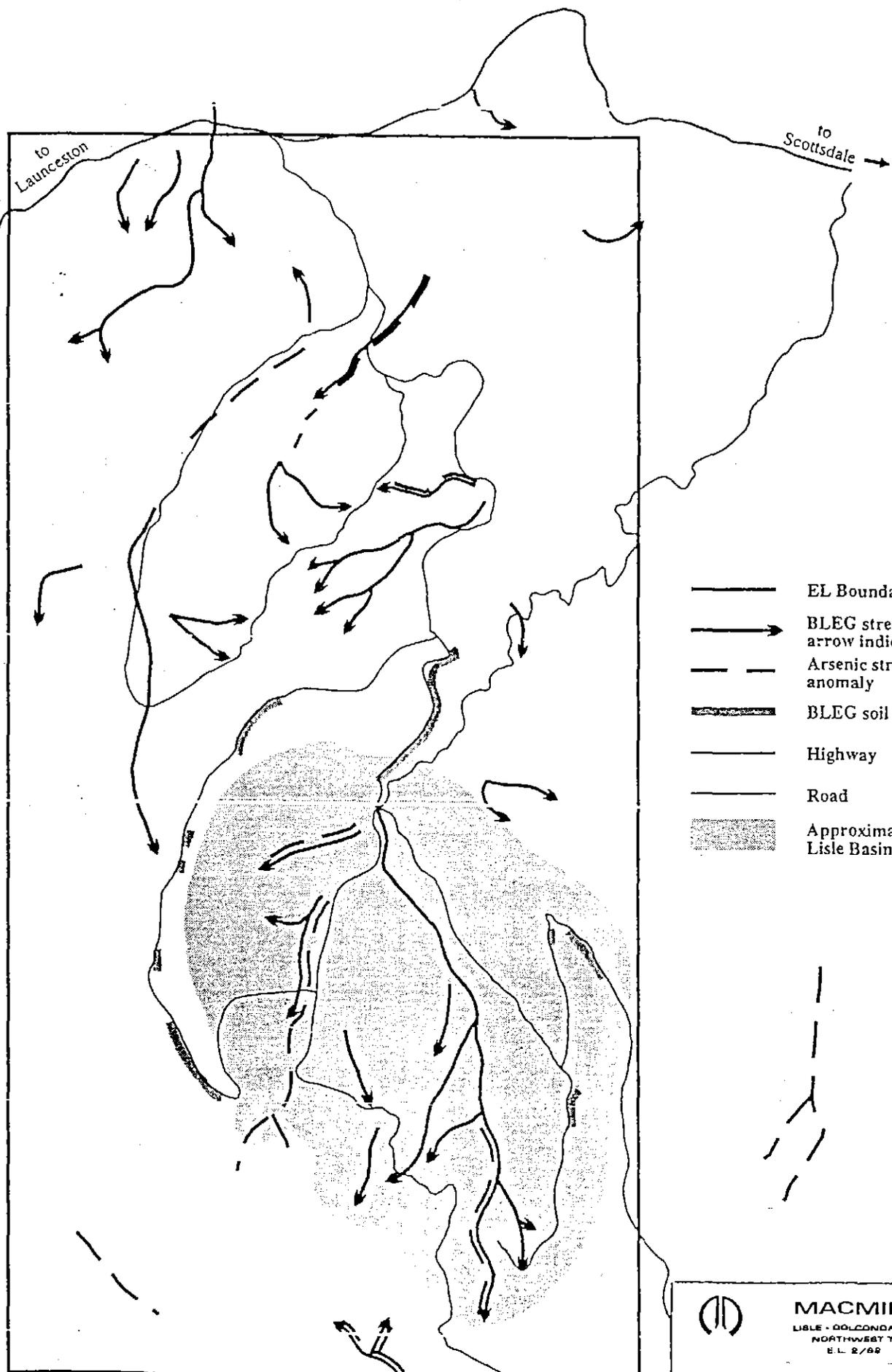
Several broad anomalous areas were defined.

Project exploration included a detailed Bleg Au only survey (214 samples) and a reconnaissance Bleg soil survey. Broad anomalous areas were defined by both surveys but Billiton relinquished the EL without follow up. Billiton also funded a post graduate student from CODES (University of Tasmania) to study the nature of gold observed at Lisle and adjacent mineral fields." (McNeil 1993).

Geochemical anomalies determined from previous exploration are summarised in Figure 3.

5 cm

906012



- EL Boundary
- BLEG stream Au anomaly, arrow indicates upstream
- - - Arsenic stream sediment anomaly
- ▬ BLEG soil Au anomaly
- Highway
- Road
- ▨ Approximate area of Lisle Basin

0 2km



MACMIN N.L.
 LISLE - GOLDENGA GOLDFIELDS
 NORTHWEST TASMANIA
 E.L. 2/68 - LISLE

**STREAM AND SOIL
 GEOCHEMICAL
 ANOMALIES**

5.0 WORK CONDUCTED

Work in the July 1993 - June 1994 period consisted of the collection of around 3,000 A-horizon soil and 21 rock-chip samples on road-side, ridge, contour and compass traverses in the Panama, Golconda, Lone Star and Bessells Reward / Tobacco Creek areas and on the ridges to the west and south of the main Lisle basin. (see Figures 6 and 7 to 9)

The location of sample traverses was based on anomalies from previous exploration/mining i.e. old prospect, anomalous -80# or Bleg Au and/or -80# As in stream sediments, anomalous Au in soil Bleg's, granite-sediment contacts, black hornfells and interpreted structures. (see Figures 3 and 4). Target models are summarised in Figure 5.

Initially every second sample (i.e. odd numbers) was assayed (for Au and As). Even numbered samples were assayed for those zones defined as anomalous in Au and/or As from the initial assaying.

All assaying was carried out by Australian Laboratory Services in Brisbane except for 12 rocks assayed by Analabs (Burnie and Perth).

Australian Laboratory Services samples were assayed for Au (to 0.001 ppm), using acid digest and carbon rod finish, and As (to 0.5 ppm) using acid digest and hydride generation. All results are included as appendices. Anomalous results follow in Table 1 (Batch 1 - sample no. 1 to 1545) and Table 2, (Batch 2 - sample no. 1546 to 3015).

Table 1 includes both odd and even samples in its definition of anomalies.

TABLE 1

SOIL ASSAY RESULTS - BATCH 1
(including infill samples)

SAMPLE NUMBER From - To	ANOMALY NUMBER	DISTANCE (m)	Au (g/t)		As (ppm) Weighted Average
			High Value	Weighted Average	
110 - 144	20	100	0.055	0.034	10
126 - 129	21	80	0.030	0.014	11
276 - 277	13	40		0.012	197
359 - 360	4	40	0.265	0.067	16
incl. 359		20		0.265	11
438 - 440		60	0.068	0.035	4
464 - 475	1	240	0.044	0.004	224
incl. 470		20		0.044	200
498 - 500	2	60	0.066	0.032	17
505	3	20		0.071	11
565 - 573	12	180	0.028	0.005	270
585 - 591		140		0.002	136
672 - 673	11	40	0.040	0.026	473
856 - 880	10	500	0.022	0.007	199
1017		20		0.028	13
1048 - 1050	22	60	0.018	0.014	12
1154 - 1156	6	60	0.084	0.041	27
1327 - 1328	9	40	0.014	0.014	280
1334 - 1335	8	40		0.011	166
1354 - 1356		60		0.013	41
1360 - 1365	7	120	0.012	0.004	142
1468 - 1470	5	60	0.201	0.090	21
incl. 1469		20		0.173	16

TABLE 2

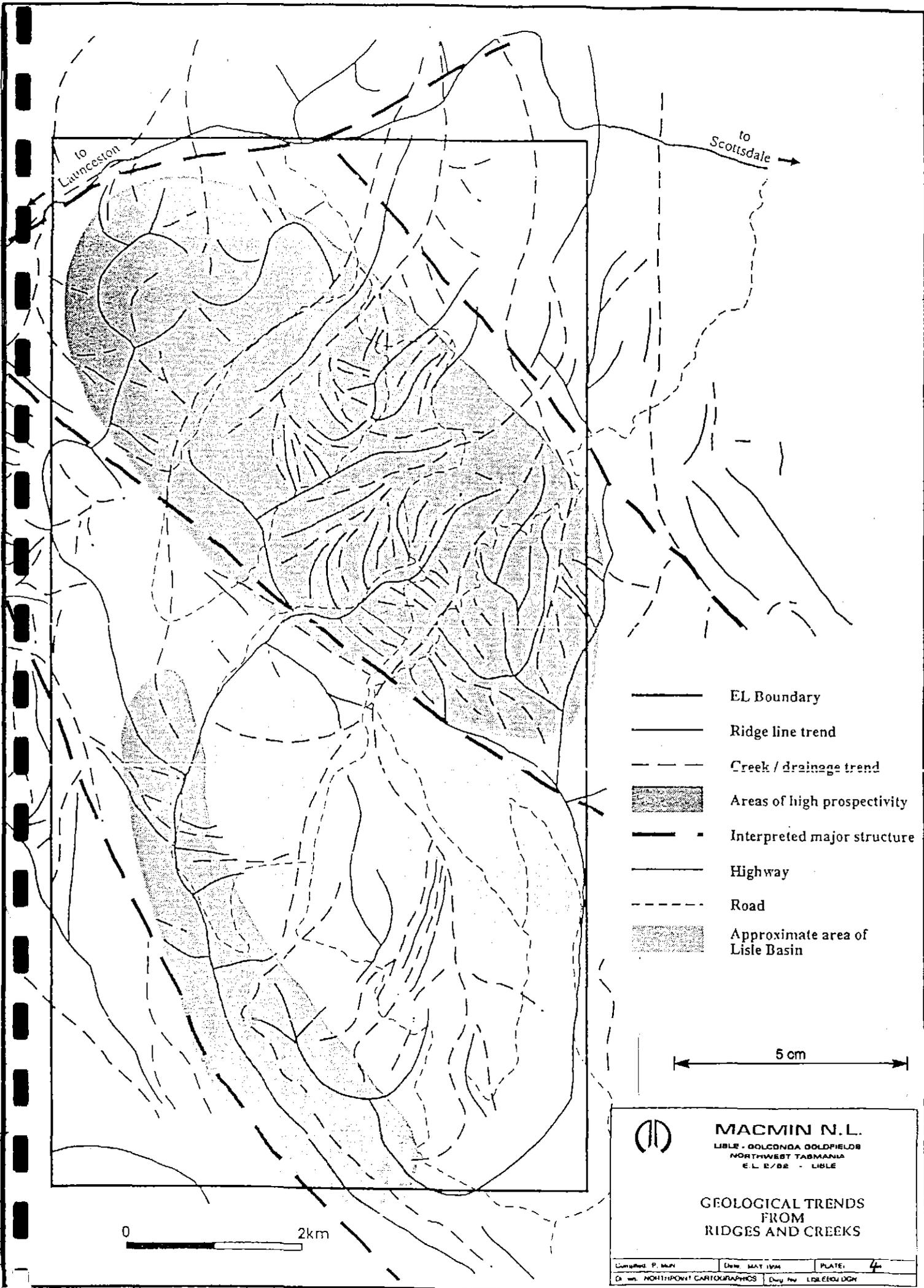
SOIL ASSAY RESULTS - BATCH 2

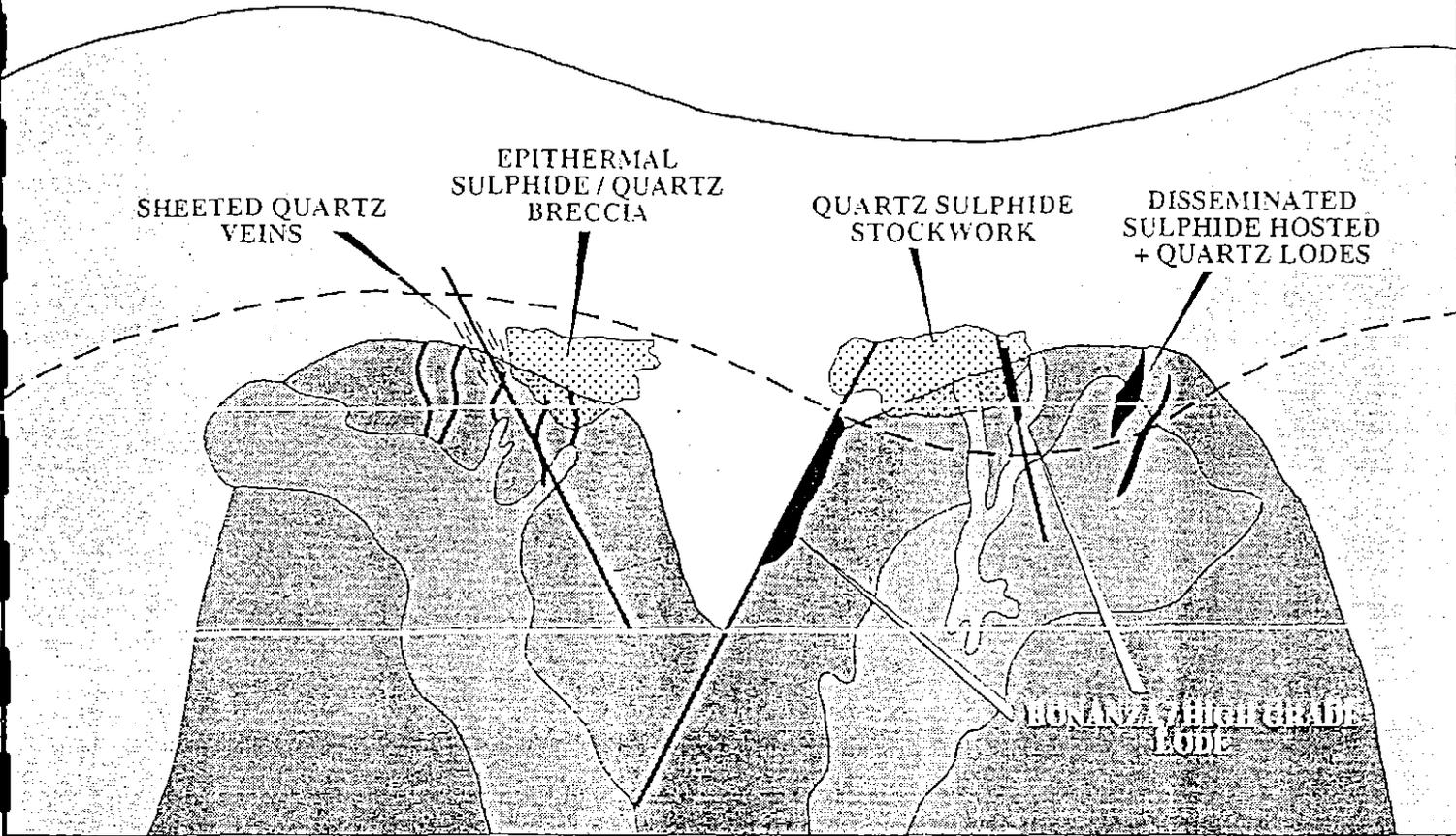
EXCLUDING INFILL RESULTS						INCLUDING INFILL RESULTS			
Sample Number From - To	Anomaly No.	Distance (m)	Au (g/t)		As (ppm)	Sample Number From - To	Distance (m)	Au (g/t) Weighted Average	As (ppm) Weighted Average
			High Value	Weighted Average	Weighted Average				
1593 - 1601	36	180	0.016	0.015	(150m of 31)		180	0.017	26
1613	34	20		0.720	13	lows on both sides			
1617	35	20		0.085	15	lows on both sides			
1643 - 1645	33	60	0.016	0.014	10		60	0.009	
1683 - 1685	37	60		1.960	13	1683 - 1685	60	1.010	15
incl. 1683		20		3.900	10				
1709 - 1715		140		0.004	22	not updated			
1799 - 1807	48	180		0.003	82	1798 - 1808	220	0.003	98
incl. 1799 - 1801		60		0.006	131	1798 - 1802	100	0.007	159
1827 - 1831	49	100	0.024	0.015	9	1826 - 1831	120	0.001	10
2019		20		0.088	6	2018 - 2020	60	0.031	12
2051 - 2055	26	100		0.002	21	not updated			
2113 - 2115	54	60	0.090	0.046	30	2113 - 2115	60	0.030	24
2167	45	20		0.079	161	2167 - 2168	40	0.042	137
2219 - 2227	39	180		0.001	29	2218 - 2220	60	0.011	20
						no others assayed			
2237 - 2251		300		0.001	36	2245 - 2249	100	0.004	59
2271 - 2279	17	180	0.030	0.023	5	2271 - 2280	200	0.012	13
						all low			
2323 - 2337	18	300	0.094	0.029	10	2323 - 2338	320	0.016	10
incl. 2331 - 2337		140		0.051	2	2331 - 2337	140	0.036	5
2339 - 2341	27	60		0.015	45	2339 - 2341	60	0.010	43
2357 - 2367	19	220	0.120	0.050	3	all low			
incl. 2359 - 2361		60		0.110	3	2359 - 2361	60	0.074	6
2377 - 2385	28	240	0.018	0.011	24	2376 - 2385	240	0.006	33
2437	25	40		0.012	4	lows on both sides			
2439 - 2471	44	560	0.046	0.020	27	2438 - 2472	700	0.014	27
incl. 2447 - 2451		100		0.021	18	2447 - 2451	100	0.015	18
plus 2457 - 2459		60		0.028	48	2457 - 2459	60	0.022	42
plus 2465 - 2469		100	0.074	0.032	11	2464 - 2469	120	0.022	17
2531	51	40		0.011	10	2530 - 2532	60	0.044	11
2539 - 2543	52	120	0.010	0.006	6	2538 - 2543	120	0.011	8
2573 - 2577	47	100		0.032	2	2573 - 2577	100	0.020	4
incl. 2577		20		0.062	3				
2583 - 2599	46	360	0.022	0.015	6	2583 - 2600	360	0.009	10
2601 - 2609	29	200	0.024	0.015	6	2601 - 2609	180	0.008	13
2651 - 2653	23	60	0.090	0.048	2	2651 - 2653	60	0.016	4
2661 - 2691	38	520	0.180	0.036	9	2660 - 2692	660	0.020	10
incl. 2663		20		0.175	4		20		
plus 2687		20		0.061	12		20		
2711 - 2715	43	100	0.240	0.079	7	2710 - 2716	140	0.034	12
incl. 2715		20		0.213	12		20		
2743	24	20		0.056	<1	2742 - 2744	60	0.019	9
2765 - 2773	16	180	0.020	0.015	<1	2765 - 2773	180	0.009	6
2797 - 2805	50	180		0.004	28	only 2 assayed			

TABLE 2

SOIL ASSAY RESULTS - BATCH 2

EXCLUDING INFILL RESULTS						INCLUDING INFILL RESULTS			
Sample Number From - To	Anomaly No.	Distance (m)	Au (g/t)		As (ppm)	Sample Number From - To	Distance (m)	Au (g/t)	As (ppm)
			High Value	Weighted Average	Weighted Average			Weighted Average	Weighted Average
2807 - 2815	51	180	0.268	0.071	18	2807 - 2815	180	0.039	22
incl. 2807		20		0.268	20		20		
2833 - 2835		60	0.020	0.017	10	2833 - 2835	60	0.014	11
2847 - 2855	31	180	0.026	0.013	10	2846 - 2855	200	0.006	14
2865 - 2871	30	140	0.020	0.016	12	2865 - 2871	140	0.009	15
2877		20		0.064	23	2876 - 2878	60	0.022	21
2911 - 2933	40	460		0.004	27	not updated			
2939 - 2941	41	60		0.018	22	2939 - 2941	60	0.012	22
2945 - 2949	42	100		0.011	20	2945 - 2949	100	0.007	21
2951 - 2953		60		0.016	26	2951 - 2953	60	0.011	23
2957 - 2961	15	100		0.019	58	2956 - 2964	180	0.009	46
2965 - 3001	14	740	2.89	0.187	259	2965 - 3001	740	0.105	181
excluding 2997									
2965 - 3001		740		0.037	141	2965 - 3001	740	0.027	121
incl. 2991		20		0.170	97				
and 2997		20		2.890	2390				
3013	32	40		0.030	36	not updated			





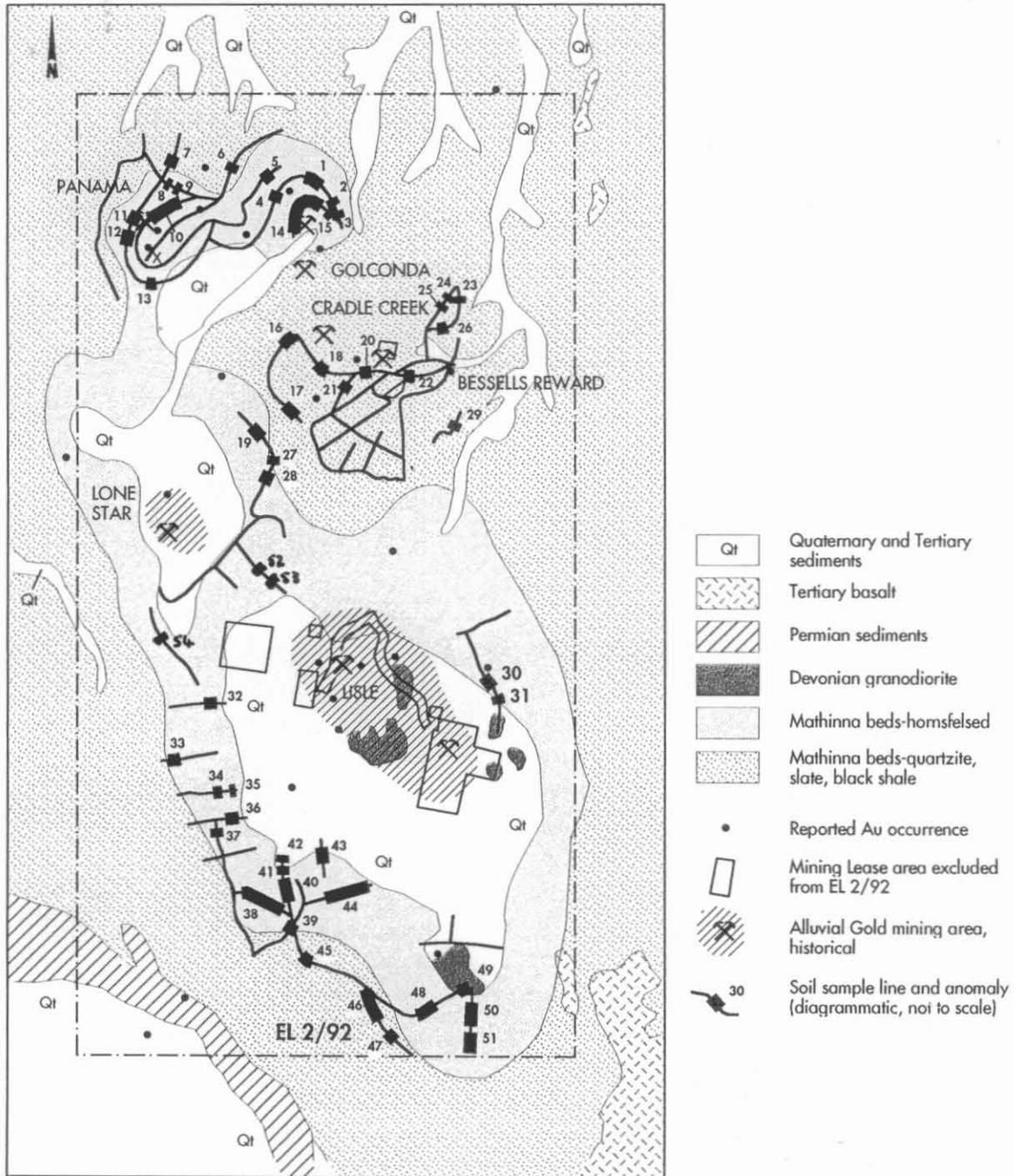
-  Early stage intrusive
-  Late stage intrusive
-  Late stage differentiates
-  Mathinna beds - sediments
-  Original land surface
-  Present land surface at Lisle



MACMIN N.L.
 LISLE - DOLCONDA GOLDFIELDS
 NORTHWEST TASMANIA
 E.L. 2/62 - LISLE

POSSIBLE TARGET MODELS

Designed by M.M.
Date MAY 1984
PLATE 5



FIGURE


MACMIN N.L.
 LISLE - GOLCONDA GOLDFIELDS
 NORTHWEST TASMANIA
 EL 2/92 - LISLE

GEOLOGY AND SOIL SAMPLE ANOMALIES

Compiled P. SMYTH	Drawn MATHIAS	PLATE 6
Drawn NORTHPOINT CARTOGRAPHICS Only the Lisle/Lady		

Table 2 was initially prepared with only the odd numbered samples. Inclusion of even numbered infill results saw initial As results generally supported, however, Au results for infill results were almost systematically around 30% less than initial results.

It is strongly suspected that the reason is due to a systematic error at Australian Laboratory Services. Hence, it is considered that anomalies as determined by the original assaying (odd sample numbers) should stand.

Nine rock-chips were assayed by Australian Laboratory Services with the first batch of soils using the same techniques. Twelve rocks sampled from the second round of sampling were assayed by Analabs (Burnie for Au, Perth for As). Techniques used were acid digest and hydride generation for As and fire assay/AAS for Au.

6.0 CONCLUSIONS AND RECOMMENDATIONS

906021

6.1 Introduction

Initial exploration was intended to be of a reconnaissance nature with each traverse designed to cover an area considered to be prospective for those reasons outlined earlier. All prospective areas returned some anomalous results and these are discussed in turn.

6.2 Conclusions

(a) Panama/Mt Wilson

Traverses were conducted in the Panama area to follow up the numerous old workings and stream sediment Bleg samples of up to 40 and 10 ppb gold.

The northern and western sides of the basin are characterised by anomalous arsenic with some support from gold (anomaly No's 7 to 13). Best gold results come from the area around Mt Wilson with some support from arsenic (anomaly No's 1 to 5). Both areas contain numerous old workings following sulphidic quartz veins at or near the granite - Mathinna Beds contact. The latter area lies just to the north of the old Golden Crest mine.

(b) Golden Crest

A single contour traverse was carried out over the old workings of the Golden Crest mine. This traverse gave some of the best gold and arsenic results (anomaly No's 14 and 15). The best rock-chip result of 12.7 g/t was taken from a mullock heap near the Golden Crest mine.

(c) North Bessell's Reward

A single stream sediment Bleg result of 12 ppb was targeted with road traverses in this area with four anomalous areas (No's 23 to 26) revealed.

(d) Bessell's Reward

This area was targeted as a potential Lisle "look alike" based on the interpretation that the area is underlain by shallow sub-surface granitoids. Results were disappointing except near the old Bessell's Reward and Cradle Creek prospects (No's 20 to 22).

(e) Golconda

The source of gold in the Golconda alluvial field as well as a stream sediment Bleg result of 3.5 ppb Au were targeted with road traverses. Broad areas of anomalous gold were revealed (anomaly No's 16, 17 and 18).

(f) Lone Star Goldfield

The source of alluvial gold in the Lone Star valley as well as a stream sediment Bleg result of 1.5 ppm Au was targeted. Results were generally disappointing except for the ridge to the east of the valley (anomalies 19, 27 and 28), and to the south-east and south (anomalies 52, 53 and 54).

(g) Lone Star Ridge North

Anomalous soil Blegs (Billiton), an aeromagnetic high and the source of alluvial gold in Bessell's Creek were targeted in this area with results all low.

(h) Lone Star Ridge South

Anomalous soil Blegs (Billiton) and the source of alluvial gold on the western side of the Lisle basin were targeted with compass traverses down both sides of the ridge. A number of discrete anomalies (No's 32 to 37) were revealed.

(i) Ridge to South-west of Lisle Basin

A number of traverses were conducted over these ridges which rise steeply at the south-western corner of the Lisle basin.

Previous exploration revealed a number of anomalous arsenic (up to 23 ppm) in -80# stream samples with some support from gold (up to 1.5 ppb) in stream sediment Blegs. The area contains a number of quite broad gold anomalies (No's 37 to 45).

(j) Watts Creek

Anomalous gold in stream sediment Blegs (up to 150 ppb) and arsenic (up to 14 ppm) in -80# and outcropping granite were targeted in this area. A number of areas of anomalous gold were revealed with higher order anomalies on the ridge above Bessell's Road (No's 46 and 47) and generally lower order anomalies around the granite (No's 48 to 50) except for a high of 0.268 ppm Au (anomaly No. 50).

(k) Watts Road

The source of alluvial gold around the old Lisle township as well as a stream sediment Bleg result of 12 ppb was targeted with moderate but broad gold anomalies revealed (No's 30 and 31).

(l) Lisle Gorge

A single stream sediment Bleg result of 2.6 ppb gold was targeted in this short road traverse revealed a zone of anomalous gold (anomaly No. 29).

6.3 Recommendations

All anomalous areas warrant some further follow-up, however a number of areas appear to have a greater potential for significant gold mineralisation. These areas are;

- on the ridges to the south and west of the Lisle basin;
- the Mt Wilson/Golden Crest area;
- headwaters of Golconda Creek.

Initial work in all cases would initially involve more extensive soil sampling, on grids, to better define soil anomalies.

This round of sampling should be carried out in conjunction with more detailed geological appraisal than previously undertaken with care taken to determine whether soil anomalies are in-situ or transported down-hill.

Initial sampling should be carried out on approximately 200 m spaced lines with 100 m spaced infill lines in areas with anomalous results from the first round of sampling. In areas of soil anomalism, ground magnetics surveys may be beneficial in locating sub surface areas of quartz veining which should give subtle magnetic lows.

In the case of the Mt Wilson/Golden Crest area the old workings should be accessed with more detailed structural mapping and sampling conducted.

It is envisaged that this second, more detailed soil sampling programme, supported by geology and possible ground magnetics, should result in the definition of drill targets which could be tested later in the year.

APPENDICES

- Appendix A Soil assay results - odds 1 to 1545 (Batch 1) plus 9 rocks
- Appendix B Soil assay results - odds 1547 to 3015 (Batch 2)
- Appendix C Soil assay results - evens infill (Batch 1)
- Appendix D Soil assay results - evens infill (Batch 2)
- Appendix E Rock assay results - 12 samples (Analabs)

APPENDIX A

Soil Assay Results

Odds 1 to 1545 (Batch 1) plus 9 Rocks

ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLETYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 3004	Au ppm PM205	Au PM209 ppm CHECKS
1		5	<0.001	
3		7	<0.001	
5		9	<0.001	
7		10	<0.001	
9		12	0.004	
11		14	0.003	0.003
13		11	0.003	
15		13	0.005	
17		8	0.026	0.026
19		3	<0.001	
21		3	<0.001	
23		2	<0.001	
25		6	<0.001	
27		5	<0.001	
29		4	<0.001	<0.001
31		3	<0.001	<0.001
33		12	0.001	0.002
35		10	0.002	
37		8	<0.001	<0.001
39		5	<0.001	
41		3	<0.001	
43		1	<0.001	
45		4	<0.001	
47		6	<0.001	
49		9	<0.001	
51		7	0.001	
53		7	<0.001	
55		6	0.001	
57		9	0.001	
59		9	<0.001	
SECTION LIMIT:		1	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Warriors Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Traralgon Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Geelong Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

97 *[Signature]*
All pages of this report have been checked and approved for release.



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 2 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	61	8	<0.001	<0.001		
	63	8	<0.001			
	65	6	0.001			
	67	9	<0.001	<0.001		
	69	15	<0.001			
	71	35	0.003			
	73	7	<0.001			
	75	4	<0.001			
	77	8	0.003			
	79	10	0.001			
	81	9	<0.001			
	83	6	<0.001			
	85	10	0.003			
	87	6	<0.001			
	89	21	0.006			
	91	14	0.003			
	93	13	0.001			
	95	6	<0.001			
	97	12	0.001	0.002		
	99	5	0.001	0.002		
	101	6	<0.001	<0.001		
	103	3	0.001			
	105	11	0.001			
	107	3	<0.001	<0.001		
	109	5	<0.001	<0.001		
	111	5	0.055			
	113	14	0.010			
	115	12	0.002			
	117	4	0.004			
	119	3	<0.001			
DETECTION LIMIT:		1	0.001	0.001		

REMARKS:

Warrnambool Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Wentworth Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Winnamatta Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Woolfenden Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Perth Laboratory
Phone: (09) 21 1457 Fax: (09) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mount Isa Laboratory
Phone: (077) 48 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 3 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	121	7	<0.001			
	123	7	0.001			
	125	7	0.002			
	127	2	0.030	0.027		
	129	9	0.010			
	131	9	0.005			
	133	3	0.005			
	135	5	0.010	0.007		
	137	8	0.007			
	139	8	0.002	0.003		
	141	3	<0.001	<0.001		
	143	2	0.002			
	145	6	0.002			
	147	4	0.004			
	149	3	<0.001			
	151	2	0.001			
	153	3	<0.001			
	155	4	0.001			
	157	4	0.005			
	159	7	<0.001			
	161	4	0.003			
	163	3	<0.001			
	165	5	0.001	<0.001		
	167	2	<0.001	<0.001		
	169	4	0.001	0.002		
	171	6	<0.001			
	173	3	<0.001			
	175	4	<0.001			
	177	3	<0.001			
	179	5	<0.001			
DETECTION LIMIT:		1	0.001	0.001		

REMARKS:

Perthville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Queensland Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Sydney Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

906031

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 4 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
181		3	<0.001	
183		3	<0.001	
185		4	<0.001	
187		6	<0.001	
189		14	<0.001	
191		9	<0.001	
193		6	0.001	
195		4	<0.001	
197		7	<0.001	
199		7	<0.001	
201		6	<0.001	
203		5	0.001	<0.001
205		8	<0.001	
207		7	0.001	
209		7	0.002	
211		5	<0.001	
213		6	<0.001	
215		7	<0.001	
217		7	<0.001	
219		4	<0.001	
221		4	<0.001	
223		4	<0.001	
225		6	<0.001	
227		6	<0.001	
229		5	<0.001	
231		18	<0.001	
233		14	<0.001	0.001
235		7	<0.001	<0.001
237		8	<0.001	<0.001
239		5	<0.001	
SECTION LIMIT:		1	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 5 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 3004	Au ppm PM205	Au PM209 ppm CHECKS		
241		7	0.003			
243		9	<0.001			
245		8	<0.001			
247		9	<0.001			
249		7	<0.001			
251		9	<0.001			
253		18	<0.001			
254		29	<0.001			
255		49	<0.001			
256		65	<0.001			
257		22	<0.001			
258		29	<0.001			
259		41	<0.001			
260		41	<0.001			
261		47	0.004			
262		442	0.026	0.024		
263		36	<0.001			
264		33	<0.001			
265		23	<0.001			
266		50	0.002			
267		40	<0.001			
269		111	0.008			
271		23	<0.001			
273		36	0.001			
275		36	0.002			
277		190	0.011			
279		131	0.002			
281		N.R.	N.R.	N.R.		
283		10	0.001			
285		7	<0.001			
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Charter Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Rockdale Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1169
Wagga Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 6 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM20E	Au PM209 ppm CHECKS
	287	23	<0.001	<0.001
	289	18	<0.001	<0.001
	291	4	<0.001	<0.001
	293	16	<0.001	
	295	9	0.001	
	297	17	<0.001	
	299	75	<0.001	
	301	162	0.003	
	303	71	<0.001	
	305	32	<0.001	
	307	18	<0.001	
	309	44	<0.001	
	311	43	<0.001	
	313	20	<0.001	
	315	32	0.003	0.003
	317	47	<0.001	
	318	57	<0.001	
	319	18	0.011	0.007
	320	23	<0.001	
	321	9	<0.001	<0.001
	322	11	<0.001	
	323	14	<0.001	
	325	25	<0.001	
	327	35	<0.001	
	329	9	<0.001	
	331	23	<0.001	
	333	43	<0.001	
	335	9	0.001	
	337	48	<0.001	
	339	18	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Warrnambool Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Perth Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Robe Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mount Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 7 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

CONTACT: MR G MACDONALD

ORDER No: LETTER

SAMPLE TYPE: SOIL

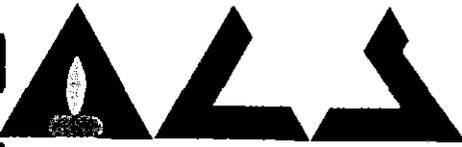
PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	341	21	<0.001			
	343	33	<0.001			
	345	25	<0.001	0.001		
	347	14	<0.001			
	349	11	<0.001			
	351	92	<0.001	0.001		
	353	17	<0.001			
	355	12	<0.001			
	357	15	0.001			
	359	11	0.244	0.265		
	361	7	<0.001			
	363	13	<0.001			
	365	8	0.005			
	367	46	0.002			
	369	81	<0.001			
	371	11	<0.001			
	373	11	0.003			
	375	16	0.002			
	377	8	0.001			
	379	20	0.001			
	381	22	<0.001			
	383	17	<0.001			
	385	10	<0.001			
	387	6	<0.001	<0.001		
	389	4	<0.001			
	391	3	<0.001			
	393	5	<0.001			
	395	6	<0.001			
	397	9	0.003			
	399	5	<0.001			
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Wille Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Woolf Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Woolf Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5646



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 8 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	401	4	<0.001			
	403	6	<0.001			
	405	4	<0.001			
	407	4	<0.001			
	409	5	<0.001			
	411	6	<0.001			
	413	11	<0.001			
	415	7	<0.001			
	417	5	<0.001	<0.001		
	419	9	<0.001	<0.001		
	421	3	<0.001	<0.001		
	423	6	<0.001			
	425	8	0.004	0.002		
	427	5	<0.001			
	429	7	0.002			
	431	7	<0.001			
	433	6	0.002			
	435	6	<0.001			
	437	5	0.004	0.004		
	439	3	0.029	0.068		
	441	4	0.004	0.007		
	443	20	0.003			
	445	28	<0.001			
	447	32	0.001			
	449	30	0.001			
	451	42	<0.001			
	453	22	<0.001			
	455	34	0.001	0.001		
	457	42	<0.001			
	459	13	<0.001			
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Wille Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Warriors Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Warrnambool Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wendouree Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mount Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 9 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

CONTACT: MR G MACDONALD

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
461		31	<0.001	
463		34	0.001	
465		184	0.003	
467		115	0.003	
469		222	0.002	
471		192	0.003	
473		105	0.013	
475		101	0.002	
477		31	<0.001	
479		55	0.010	
491		23	0.002	
483		14	0.001	
485		53	0.004	0.005
487		37	0.003	0.004
489		38	0.004	0.003
491		23	0.006	
493		13	<0.001	
495		19	0.004	
497		11	0.001	
499		12	0.054	0.066
501		7	0.001	
503		6	<0.001	
505		11	0.084	0.058
507		73	0.003	
509		81	0.001	
511		38	0.003	
513		13	0.001	
515		6	<0.001	
517		6	<0.001	
519		15	<0.001	
SECTION LIMIT:		1	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Rockdale Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wagga Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 10 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	521	7	<0.001			
	523	10	<0.001	<0.001		
	525	11	<0.001			
	527	9	<0.001			
	529	10	<0.001			
	531	14	<0.001			
	533	9	<0.001			
	535	12	<0.001			
	537	13	<0.001			
	539	19	<0.001			
	541	22	<0.001			
	543	12	<0.001			
	545	36	0.001			
	547	60	<0.001			
	549	61	0.003			
	551	11	<0.001			
	553	18	<0.001	<0.001		
	555	12	<0.001	<0.001		
	557	12	<0.001			
	559	12	0.001			
	561	8	0.001			
	563	16	<0.001			
	565	220	0.005	0.004		
	567	736	0.028	0.018		
	569	146	0.005			
	571	147	0.001			
	573	102	<0.001			
	575	21	<0.001			
	577	99	0.001			
	579	21	<0.001			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Wille Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
St Helens Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wooloona Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 11 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM209		
		ppm G004	ppm PM205	ppm CHECKS		
581		21	<0.001			
583		47	<0.001			
585		150	0.002			
587		98	0.001			
589		53	0.002			
591		242	0.003	0.004		
593		31	<0.001			
595		11	<0.001			
597		69	0.003			
599		12	0.001			
601		12	0.001			
603		188	0.002			
605		24	<0.001			
607		40	<0.001			
609		22	0.001			
611		22	0.002			
613		9	0.002			
615		18	<0.001			
617		41	0.003			
619		10	<0.001			
621		11	<0.001			
623		9	<0.001			
625		34	0.001			
627		9	<0.001			
629		6	<0.001			
631		8	0.001			
633		5	<0.001			
635		11	<0.001			
637		4	<0.001			
639		38	0.002			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Warrnambool Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Perth Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1159
Geelong Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
641		60	0.001	
643		36	<0.001	
645		6	<0.001	
647		111	0.002	
649		10	0.002	
651		18	0.004	
653		20	<0.001	
655		15	<0.001	
657		14	<0.001	
659		10	0.001	
661		7	<0.001	
663		33	0.001	
665		13	0.009	
667		8	<0.001	
669		65	<0.001	
671		177	0.002	
673		68	0.011	
675		79	0.005	
677		37	0.001	
679		6	0.001	
681		19	<0.001	
683		8	0.001	
685		9	0.001	
687		35	0.002	
689		3	0.001	0.001
691		9	0.002	0.002
693		9	0.002	0.002
695		95	0.006	
697		18	0.002	
699		14	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Woolville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Mariner Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Gold Coast Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Rockhampton Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 5253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

906040

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 13 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310
CONTACT: MR G MACDONALD

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 5004	Au ppm PM205	Au PM209 ppm CHECKS
	701	328	0.005	
	703	27	0.001	
	705	16	0.001	
	707	17	0.001	
	709	11	<0.001	
	711	7	<0.001	
	713	17	<0.001	
	715	10	<0.001	
	717	9	<0.001	<0.001
	719	7	<0.001	
	721	8	<0.001	
	723	<1	0.001	<0.001
	725	9	<0.001	
	727	35	<0.001	
	729	6	0.001	0.002
	731	1	<0.001	
	733	2	<0.001	
	735	4	<0.001	
	737	7	<0.001	
	739	31	<0.001	
	741	37	<0.001	
	743	35	0.001	
	745	6	0.001	
	747	5	<0.001	
	749	5	<0.001	
	751	6	<0.001	
	753	8	<0.001	
	755	6	<0.001	
	757	6	<0.001	
	759	9	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Wille Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
St Helens Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wooloona Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 14 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
761		7	<0.001	
763		5	<0.001	<0.001
765		14	<0.001	
767		21	<0.001	
769		22	<0.001	
771		24	0.002	
773		28	<0.001	
775		28	0.001	
777		21	<0.001	
779		32	<0.001	
781		42	<0.001	
783		36	<0.001	
785		15	<0.001	
787		16	<0.001	
789		13	<0.001	
791		58	0.010	
793		104	0.001	
795		65	0.001	
797		145	0.022	0.029
799		24	<0.001	
801		97	0.002	
803		90	0.004	
805		27	0.001	0.001
807		33	0.001	<0.001
809		137	0.005	0.004
811		49	<0.001	
813		51	0.001	
815		61	0.001	
817		103	0.003	
819		67	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Warrillup Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Warriors Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Wendee Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Woolshed Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 15 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	821	41	<0.001			
	823	38	<0.001			
	825	31	<0.001			
	827	33	0.001			
	829	33	<0.001			
	831	19	<0.001			
	833	26	<0.001			
	835	24	<0.001			
	837	10	<0.001			
	839	29	<0.001			
	841	54	<0.001			
	843	36	<0.001	<0.001		
	845	118	<0.001			
	847	43	<0.001			
	849	108	<0.001			
	851	62	<0.001			
	853	42	0.002			
	855	14	0.001			
	857	143	0.007			
	859	191	0.014	0.014		
	861	304	0.007			
	863	152	0.001			
	865	211	0.009			
	867	172	0.005			
	869	666	0.013			
	871	62	<0.001			
	873	299	0.015	0.021		
	875	187	0.001	0.001		
	877	64	<0.001	<0.001		
	879	243	0.003			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Traralgon Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Warragoona Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

CONTACT: MR G MACDONALD

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
	881	62	0.001	
	883	24	<0.001	
	885	27	<0.001	
	887	23	<0.001	
	889	31	0.001	
	891	41	<0.001	
	893	57	<0.001	
	895	28	<0.001	
	897	52	0.001	
	899	35	0.001	
	901	5	<0.001	
	903	14	<0.001	
	905	3	<0.001	
	907	9	<0.001	
	909	4	<0.001	
	911	4	<0.001	<0.001
	913	2	<0.001	
	915	2	<0.001	
	917	4	<0.001	
	919	2	0.001	
	921	3	0.001	
	923	2	0.001	
	925	2	0.001	
	927	2	0.001	
	929	11	0.001	
	931	9	0.001	
	933	7	0.001	
	935	12	0.001	
	937	25	<0.001	
	939	13	<0.001	
SECTION LIMIT:		1	0.001	0.001

COMMENTS:



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 17 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
	941	7	0.001	<0.001		
	943	<1	0.001	0.001		
	945	3	0.001	<0.001		
	947	5	0.001			
	949	66	0.001			
	951	152	0.006			
	953	170	0.002			
	955	10	0.001	0.002		
	957	75	0.003			
	959	31	<0.001			
	961	49	<0.001			
	963	28	<0.001			
	965	44	0.001			
	967	38	<0.001			
	969	37	0.001			
	971	33	<0.001			
	973	22	<0.001	<0.001		
	975	23	0.002			
	977	13	<0.001			
	979	126	0.004	0.005		
	981	43	0.001			
	983	37	0.001			
	985	29	<0.001			
	987	69	0.002			
	989	58	0.005			
	991	26	0.001			
	993	33	0.001			
	995	16	0.001			
	997	42	0.001			
	999	10	0.001			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
St Leonards Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Woolfenden Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

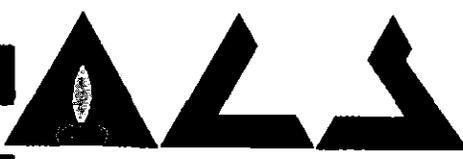
ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
1001		3	0.006	
1003		2	<0.001	
1005		3	<0.001	
1007		2	0.010	
1009		<1	0.087	0.053
1011		4	0.004	0.003
1013		15	0.003	0.004
1015		5	<0.001	
1017		13	0.032	0.025
1019		1	0.001	
1021		4	<0.001	
1023		<1	<0.001	
1025		<1	0.001	
1027		<1	0.006	0.004
1029		2	<0.001	
1031		5	<0.001	<0.001
1033		2	0.008	
1035		10	0.006	
1037		<1	<0.001	0.001
1039		<1	<0.001	
1041		2	<0.001	0.001
1043		N.R.	N.R.	N.R.
1045		N.R.	N.R.	N.R.
1047		N.R.	N.R.	N.R.
1049		7	0.018	0.013
1051		6	<0.001	0.001
1053		4	0.001	<0.001
1055		8	0.001	
1057		12	0.001	
1059		10	0.005	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 19 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No. LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
1061		3	<0.001			
1063		5	<0.001			
1065		5	<0.001			
1067		4	<0.001	0.001		
1069		5	<0.001			
1071		83	0.001			
1073		18	<0.001			
1075		6	0.001			
1077		2	<0.001			
1079		12	<0.001			
1081		67	0.002			
1083		63	0.001	0.002		
1085		50	<0.001	0.001		
1087		55	0.003	0.001		
1089		5	<0.001			
1091		16	<0.001			
1093		35	<0.001			
1095		37	<0.001			
1097		37	0.002			
1099		27	0.001			
1101		23	<0.001			
1103		31	<0.001			
1105		22	0.001			
1107		91	0.003			
1109		122	0.001			
1111		15	<0.001			
1113		31	<0.001			
1115		15	0.002			
1117		21	<0.001			
1119		27	<0.001			
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Adelaide Laboratory
Phone: (083) 63 1722 Fax: (083) 63 1189
Geelong Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 20 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

CONTACT: MR G MACDONALD

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
1121		35	0.002	0.002		
1123		39	0.001			
1125		32	<0.001			
1127		14	<0.001			
1129		21	<0.001			
1131		46	0.008	0.010		
1133		24	<0.001			
1135		44	<0.001			
1137		67	<0.001			
1139		40	<0.001			
1141		53	<0.001			
1143		40	<0.001			
1145		22	<0.001			
1147		32	<0.001			
1149		33	0.003			
1151		113	0.004			
1153		29	<0.001	<0.001		
1155		28	0.084	0.073		
1157		16	0.004	0.003		
1159		17	0.001			
1161		7	0.004			
1163		3	0.002			
1165		4	<0.001			
1167		2	<0.001			
1169		5	<0.001			
1171		18	0.004			
1173		138	<0.001			
1175		38	0.002			
1177		25	<0.001			
1179		36	<0.001			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Warriors Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Wentworth Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wentworth Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 21 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm FM205	Au FM209 ppm CHECKS		
	1181	23	0.001			
	1183	10	0.001			
	1185	9	<0.001			
	1187	35	<0.001			
	1189	18	0.001			
	1191	20	<0.001	<0.001		
	1193	<1	0.001			
	1195	6	<0.001			
	1197	19	<0.001			
	1199	4	<0.001			
	1201	<1	0.001			
	1203	1	<0.001			
	1205	3	<0.001			
	1207	<1	0.001			
	1209	<1	<0.001			
	1211	<1	0.001			
	1213	3	<0.001			
	1215	2	<0.001			
	1217	2	<0.001			
	1219	16	<0.001			
	1221	27	0.001	0.001		
	1223	9	<0.001	<0.001		
	1225	38	<0.001	0.001		
	1227	9	<0.001			
	1229	6	<0.001			
	1231	1	<0.001			
	1233	3	0.001			
	1235	8	0.005			
	1237	2	0.001			
	1239	12	<0.001			
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
St Leonards Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wagga Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1369

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6026
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029



Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 22 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
1241		7	<0.001	
1243		8	<0.001	
1245		6	<0.001	<0.001
1247		19	<0.001	
1249		5	<0.001	0.001
1251		6	0.001	
1253		6	0.004	
1255		6	<0.001	
1257		5	<0.001	
1259		7	<0.001	<0.001
1261		4	<0.001	
1263		12	<0.001	
1265		9	0.001	
1267		24	<0.001	
1269		18	<0.001	
1271		10	<0.001	
1273		6	0.005	
1275		6	0.002	
1277		5	<0.001	
1279		7	0.003	
1281		8	0.006	
1283		12	0.002	
1285		19	0.019	0.012
1287		9	0.003	
1289		11	0.002	0.001
1291		5	<0.001	<0.001
1293		4	<0.001	<0.001
1295		6	<0.001	
1297		8	<0.001	
1299		7	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Alice Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Artara Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Blackburn Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Clonmel Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 23 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
1301		38	0.001			
1303		20	0.001			
1305		27	0.001			
1307		22	<0.001			
1309		18	<0.001			
1311		49	<0.001			
1313		63	0.002			
1315		351	0.005			
1317		30	<0.001			
1319		27	<0.001			
1321		12	<0.001			
1323		30	<0.001			
1325		N.R.	N.R.	N.R.		
1327		324	0.014	0.013		
1329		60	0.002			
1331		42	<0.001			
1333		92	<0.001			
1335		308	0.010	0.008		
1337		25	<0.001			
1339		29	<0.001			
1341		26	<0.001			
1343		15	<0.001			
1345		11	<0.001			
1347		30	<0.001			
1349		11	0.002			
1351		9	0.001			
1353		13	<0.001			
1355		47	0.009	0.011		
1357		90	<0.001	0.001		
1359		57	0.001	0.001		
SECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
St Leonards Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Wooloona Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 24 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	AU ppm PM205	AU PM209 ppm CHECKS
1361		121	<0.001	0.001
1363		243	<0.001	
1365		130	0.002	
1367		24	<0.001	
1369		12	<0.001	
1371		21	<0.001	
1373		11	<0.001	
1375		8	<0.001	
1377		8	<0.001	
1379		32	0.005	
1381		94	0.001	
1383		20	<0.001	
1385		12	<0.001	
1387		4	<0.001	
1389		10	<0.001	
1391		6	<0.001	<0.001
1393		7	<0.001	<0.001
1395		11	<0.001	<0.001
1397		9	<0.001	
1399		7	<0.001	
1401		4	<0.001	<0.001
1403		15	<0.001	
1405		97	<0.001	
1407		14	0.001	
1409		5	<0.001	
1411		4	<0.001	
1413		3	0.002	
1415		3	<0.001	<0.001
1417		2	<0.001	
1419		<1	<0.001	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (07) 79 9155 Fax: (07) 79 9729
Porters Towers Laboratory
Phone: (07) 87 4155 Fax: (07) 87 4220
Geelong Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Traralgon Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 25 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

CONTACT: MR G MACDONALD

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS		
1421		3	<0.001			
1423		4	<0.001	<0.001		
1425		9	<0.001	<0.001		
1427		12	0.002			
1429		15	0.003	0.002		
1431		9	0.009			
1433		7	0.003			
1435		7	0.003			
1437		16	0.004			
1439		5	<0.001	<0.001		
1441		16	<0.001			
1443		9	<0.001			
1445		5	<0.001			
1447		5	<0.001			
1449		2	<0.001			
1451		4	<0.001			
1453		11	<0.001			
1455		7	<0.001			
1457		23	0.001			
1459		21	<0.001	<0.001		
1461		35	<0.001	<0.001		
1463		18	<0.001	0.001		
1465		11	<0.001			
1467		13	<0.001			
1469		16	0.145	0.201		
1471		9	<0.001			
1473		13	<0.001			
1475		12	<0.001			
1477		17	<0.001			
1479		63	<0.001			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Whittle Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Adelaide Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
North Queensland Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mount Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 26 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au FM209	
		ppm G004	ppm FM205	ppm CHECKS	
1481		18	<0.001		
1483		70	<0.001		
1485		146	0.005		
1487		6	<0.001		
1489		4	<0.001		
1491		6	<0.001		
1493		6	<0.001		
1495		8	0.002		
1497		8	<0.001	<0.001	
1499		10	<0.001		
1501		11	<0.001		
1503		4	0.006		
1505		12	<0.001		
1507		5	<0.001		
1509		4	<0.001		
1511		5	<0.001		
1513		24	<0.001		
1515		7	<0.001		
1517		6	<0.001		
1519		4	0.001		
1521		5	<0.001		
1523		6	<0.001		
1525		13	<0.001		
1527		9	<0.001	<0.001	
1529		8	<0.001		
1531		8	<0.001	<0.001	
1533		25	<0.001		
1535		18	<0.001		
1537		17	<0.001		
1539		9	<0.001		
SECTION LIMIT:		1	0.001	0.001	

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Stirling Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Woolf Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2968 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mount Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

906054

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 27 of 27

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM209 ppm CHECKS
	1541	10	<0.001	
	1543	11	<0.001	
	1545	10	0.001	
	1089 (B)	35	<0.001	<0.001
	LIR 312	16	0.004	
	LIR 313	392	0.024	0.027
	LIR 322	25	<0.001	
	LIR 314	1690	0.004	
	LIR 315	33	0.014	
	LIR 316	283	0.012	
	LIR 317	337	0.001	
	LIR 318	241	0.011	
	LIR 319	176	0.012	
DETECTION LIMIT:		1	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Winnipeg Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porter Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Winnipeg Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Winnipeg Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

906055

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 1 of 2

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

CONTACT: MR G MACDONALD

ORDER No: LETTER

SAMPLETYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004			
*** 17		8			
*** 37		11			
*** 57		11			
*** 105		14			
*** 125		7			
*** 145		7			
*** 193		8			
*** 213		8			
*** 233		11			
*** 267		41			
*** 287		24			
*** 307		18			
*** 349		12			
*** 369		81			
*** 389		5			
*** 437		7			
*** 457		44			
*** 477		30			
*** 525		14			
*** 545		34			
*** 565		220			
*** 613		11			
*** 633		5			
*** 653		12			
*** 701		323			
*** 721		8			
*** 741		38			
*** 789		15			
*** 809		135			
*** 829		37			
DETECTION LIMIT:		1			

COMMENTS: Results which appear on this report are routine laboratory checks for QUALITY CONTROL purposes.

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Arter Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Adelaide Laboratory
Phone: (083) 63 1722 Fax: (083) 63 1189
Gold Coast Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

Brisbane Head Office and Laboratory
32 Shand Street, Stafford, Q. 4053
P.O. Box 66, Everton Park, Q. 4053
Telephone: (07) 352 5577
Facsimile: (07) 352 5109

ANALYTICAL REPORT

PAGE 2 of 2

CLIENT: MAC MINING N L
ADDRESS: 112 BEST STREET
DEVONPORT
TASMANIA 7310

LABORATORY: STAFFORD
BATCH NUMBER: ST7763-0

CONTACT: MR G MACDONALD

No. of SAMPLES: 793
DATE RECEIVED: 02/02/94
DATE COMPLETED: 17/02/94

ORDER No: LETTER

SAMPLETYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004			
*** 877		56			
*** 897		50			
*** 917		2			
*** 965		42			
*** 985		31			
*** 1005		2			
*** 1053		1			
*** 1073		17			
*** 1093		42			
*** 1141		53			
*** 1161		9			
*** 1181		21			
*** 1229		7			
*** 1249		6			
*** 1269		19			
*** 1317		27			
*** 1337		25			
*** 1357		89			
*** 1405		95			
*** 1425		8			
*** 1445		7			
*** 1493		5			
*** 1513		24			
*** 1533		24			
*** 1493		5			
*** 1513		24			
*** 1533		24			
DETECTION LIMIT:		1			

COMMENTS:

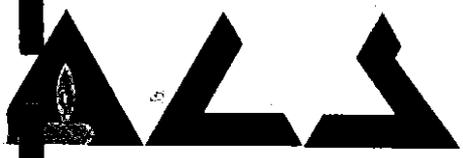
Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Adelaide Laboratory
Phone: (083) 63 1722 Fax: (083) 63 1189
Geelong Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

APPENDIX B

Soil Assay Results

Odds 1547 to 3015 (Batch 2)



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
1547		6	0.003		
1549		9	0.001		
1551		9	0.001		
1553		11	0.001		
1555		11	0.003		
1557		<1	0.002		
1559		3	0.007		
1561		6	0.004		
1563		3	0.001		
1565		<1	0.005		
1567		9	0.002		
1569		12	0.003		
1571		102	0.005		
1573		14	0.003		
1575		12	0.007	0.004	
1577		N.R.	N.R.	N.R.	N.R.
1579		2	0.004	0.004	
1581		6	0.005		
1583		6	0.001		
1585		<1	0.002		
1587		<1	0.003		
1589		4	0.004		
1591		4	0.006		
1593		49	0.011		
1595		25	0.011		
1597		20	0.021		
1599		12	0.016		
1601		12	0.016		
1603		17	0.005		
1605		24	0.003		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

Shawn King
All pages of this report
have been checked and
approved for release.



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 2 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL 572152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
1607		11	0.002		
1609		17	0.002		
1611		13	0.003		
1613		13	0.020	0.620	
1615		15	0.004		
1617		13	0.085		
1619		17	0.006		
1621		N.R.	N.R.		
1623		4	0.033		
1625		11	0.001		
1627		5	0.011		
1629		10	0.005		
1631		10	0.008		
1633		8	0.003		
1635		6	0.009		
1637		20	0.002		
1639		11	0.004		
1641		11	0.002		
1643		9	0.011	0.016	
1645		10	0.016	0.010	
1647		6	0.009	0.008	
1649		6	0.003		
1651		8	0.003		
1653		9	0.006		
1655		8	0.008		
1657		12	0.002		
1659		12	0.012		
1661		10	0.006		
1663		15	0.018		
1665		14	0.006		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Ariara Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 63 1722 Fax: (089) 63 1189
Mt Isa Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

ANALYTICAL REPORT

PAGE 3 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL938152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
1667		10	0.002		
1669		11	0.002		
1671		14	0.003		
1673		11	0.003		
1675		15	0.004		
1677		17	0.004		
1678		20	0.002		
1679		15	0.011	0.013	
1681		7	0.006		
1683		10	1.95	3.26	6.48
1685		16	0.014		
1687		14	0.004		
1689		7	0.005		
1691		8	0.002		
1693		6	0.019		
1695		11	0.002		
1697		14	0.003		
1699		9	0.004		
1701		10	0.003		
1703		12	0.005		
1705		14	0.004		
1707		8	0.003		
1709		28	0.002	0.004	
1711		24	0.002	0.004	
1713		10	0.007	0.005	
1715		28	0.007		
1717		8	0.006		
1719		8	0.007		
1721		10	0.003		
1723		28	0.016		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone (077) 79 9155 Fax (077) 79 9729
Starrs Towers Laboratory
Phone (077) 87 4155 Fax (077) 87 4220
Brisbane Laboratory
Phone (063) 63 1722 Fax (063) 63 1189
Alice Springs Laboratory
Phone (054) 46 1390 Fax (054) 46 1389

Perth Laboratory
Phone (09) 249 2988 Fax (09) 249 2942
Kalgoorlie Laboratory
Phone (090) 21 1457 Fax (090) 21 6253
Alice Springs Laboratory
Phone (089) 52 6020 Fax (089) 52 6028
Mt Isa Laboratory
Phone (077) 49 5545 Fax (077) 48 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax (07) 352 5109


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 4 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL538152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	1725	13	0.002		
	1727	10	0.002		
	1729	11	0.001		
	1731	10	0.003		
	1733	6	0.016		
	1735	3	0.003		
	1737	12	0.006		
	1739	10	0.002		
	1741	15	0.010		
	1743	15	0.006		
	1745	9	0.003		
	1747	11	0.006	0.005	
	1749	11	0.001		
	1751	10	0.001		
	1753	24	0.003		
	1755	18	0.003		
	1757	7	0.001		
	1759	6	0.002		
	1761	13	0.006		
	1763	5	0.002		
	1765	8	0.002		
	1767	5	0.006		
	1769	7	0.014		
	1771	8	0.004		
	1773	3	0.007		
	1775	4	0.009		
	1777	4	0.003	0.002	
	1779	7	0.004	0.006	
	1781	13	0.006	0.004	
	1783	9	0.006		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

ANALYTICAL REPORT

PAGE 5 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	1785	9	0.003		
	1787	11	0.006		
	1789	12	0.008		
	1791	12	0.003		
	1793	16	0.004		
	1795	11	0.006		
	1797	16	0.001		
	1799	120	0.005		
	1801	142	0.006		
	1803	44	0.002		
	1805	71	0.003		
	1807	33	0.002		
	1809	15	0.001		
	1811	17	0.002		
	1813	15	0.002		
	1815	21	0.014	0.011	
	1817	13	0.003		
	1819	9	0.004		
	1821	11	0.002		
	1823	17	0.002		
	1825	6	0.006		
	1827	10	0.011		
	1829	7	0.010		
	1831	10	0.024		
	1833	10	0.002		
	1835	2	0.006		
	1837	6	0.004		
	1839	3	0.005		
	1841	3	0.001		
	1843	4	0.006		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Brisbane Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Sydney Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Melbourne Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6753
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mile Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

ANALYTICAL REPORT

PAGE 5 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/03/94
DATE COMPLETED: 31/03/94

ORDER No: AL930152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	AU PM205 ppm CHECKS	AU PM205 ppm CHECKS
1845		6	0.002	0.004	
1847		4	0.004	0.003	
1849		5	0.003	0.003	
1851		7	0.006		
1853		7	0.002		
1855		11	0.005		
1857		7	0.006		
1859		10	0.005		
1861		16	0.003		
1863		15	0.006		
1865		13	0.003		
1867		19	0.006		
1869		6	0.003		
1871		1	0.004		
1873		3	0.004		
1875		5	0.004		
1877		5	0.009		
1879		<1	0.006		
1881		1	0.003		
1883		3	0.003	0.002	
1885		3	0.002		
1887		7	0.003		
1889		5	0.002		
1891		10	0.002		
1893		15	0.002		
1895		10	0.003		
1897		15	0.004		
1899		9	0.002		
1901		13	0.003		
1903		6	0.003		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (054) 46 1395 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 219 2988 Fax: (09) 219 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5516

Brisbane Laboratory
Phone: (071) 352 5577 Fax: (071) 352 5109

ANALYTICAL REPORT

PAGE 7 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL838152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
1905		15	0.004		
1907		13	0.004		
1909		18	0.004		
1911		66	0.005		
1913		21	0.008	0.015	
1915		10	0.003	0.004	
1917		8	0.003	0.005	
1919		4	0.003		
1921		2	0.004		
1923		16	0.004		
1925		4	0.006		
1927		7	0.005		
1929		5	0.003		
1931		2	0.005		
1933		3	0.007		
1935		7	0.009		
1937		<1	0.006		
1939		2	0.010		
1941		5	0.008		
1943		<1	0.005		
1945		3	0.006		
1947		6	0.012		
1949		<1	0.003		
1951		<1	0.005	0.004	
1953		4	0.003		
1955		7	0.008		
1957		N.R.	N.R.	N.R.	N.R.
1959		15	0.015		
1961		13	0.009		
1963		3	0.008		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone (077) 79 9155 Fax (077) 79 9729
 Brisbane Towers Laboratory
Phone (077) 87 4155 Fax (077) 87 4220
 Brisbane Laboratory
Phone (063) 63 1722 Fax (063) 63 1189
 Mt Isa Laboratory
Phone (054) 46 1390 Fax (054) 46 1389

Perth Laboratory
Phone (09) 249 2988 Fax (09) 249 2942
 Kalgoorlie Laboratory
Phone (090) 21 1457 Fax (090) 21 6253
 Alice Springs Laboratory
Phone (089) 52 6020 Fax (089) 52 6028
 Mt Isa Laboratory
Phone (077) 49 5545 Fax (077) 48 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 8 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	Au PM205
		ppm G004	ppm PM205	ppm CHECKS	ppm CHECKS
1965		4	0.004		
1967		5	0.005		
1969		5	0.014		
1971		<1	0.006		
1973		11	0.007		
1975		10	0.011		
1977		6	0.007		
1979		9	0.004		
1981		13	0.007	0.007	
1983		11	0.004	0.009	
1985		13	0.006	0.009	
1987		15	0.015		
1989		6	0.005		
1991		7	0.001		
1993		9	0.003		
1995		9	0.002		
1997		6	0.003		
1999		10	0.001		
2001		11	0.001		
2003		11	0.001		
2005		33	0.001		
2007		14	<0.001		
2009		11	0.004		
2011		7	<0.001		
2013		14	0.003		
2015		11	0.004		
2017		16	0.008		
2019		5	0.076	0.100	
2021		8	0.003		
2023		7	0.003		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart's Towers Laboratory
Phone: (077) 87 1155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (081) 63 1722 Fax: (063) 63 1189
Mt Isa Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

ANALYTICAL REPORT

PAGE 9 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4277

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2025		6	0.008		
2027		5	0.008		
2029		6	0.009	0.008	
2031		6	0.019	0.018	
2033		<1	0.008		
2035		3	0.005	0.004	
2037		12	0.006	0.007	
2039		7	0.006	0.006	
2041		7	0.002	0.001	
2043		7	0.012	0.016	
2045		5	0.002		
2047		7	0.002		
2049		9	<0.001	0.002	
2051		21	0.001		
2053		20	0.003		
2055		23	0.003	0.002	
2057		18	0.003		
2059		5	0.001		
2061		3	<0.001		
2063		6	<0.001		
2065		6	0.010		
2067		4	0.004		
2069		4	0.001		
2071		5	<0.001		
2073		4	0.001		
2075		<1	0.002		
2077		36	0.001	0.002	
2079		9	0.006		
2081		20	0.003		
2083		3	0.003		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone (077) 79 9155 Fax: (077) 79 9729
 Western Towers Laboratory
Phone (077) 87 4155 Fax: (077) 87 4220
 Brisbane Laboratory
Phone (063) 63 1722 Fax: (063) 63 1189
 Melbourne Laboratory
Phone (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone (09) 249 2988 Fax: (09) 249 2942
 Kalgoorlie Laboratory
Phone (090) 21 1457 Fax: (090) 21 6253
 Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
 Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 10 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL938152

SAMPLETYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2085		5	0.002		
2087		46	0.003		
2089		3	0.007	0.008	
2091		15	0.003		
2093		23	0.005	0.007	
2095		<1	0.005		
2097		10	0.005		
2099		97	0.004		
2101		11	0.002	0.002	
2103		7	0.004		
2105		18	0.007		
2107		<1	0.002		
2109		8	0.003		
2111		25	0.002	<0.001	
2113		19	0.013	0.010	
2115		42	0.070	0.090	
2117		<1	0.007		
2119		2	0.001		
2121		<1	<0.001		
2123		<1	0.002		
2125		<1	0.003		
2127		<1	0.002		
2129		<1	0.001		
2131		2	<0.001		
2133		1	0.002		
2135		9	0.001		
2137		9	0.011		
2139		5	0.002		
2141		<1	0.002		
2143		<1	0.006		
SECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone (077) 79 9155 Fax (077) 79 9779
Adelaide Laboratory
Phone (077) 87 4155 Fax (077) 87 4220
Brisbane Laboratory
Phone (063) 63 1722 Fax (063) 63 1189
Melbourne Laboratory
Phone (054) 46 1390 Fax (054) 46 1389

Perth Laboratory
Phone (09) 249 2388 Fax (09) 249 2942
Kalgoorlie Laboratory
Phone (090) 21 1457 Fax (090) 21 6253
Alice Springs Laboratory
Phone (089) 52 6020 Fax (089) 52 6028
Mt Isa Laboratory
Phone (077) 49 5545 Fax (077) 49 5546

Brisbane Laboratory
Phone (07) 352 3577 Fax (07) 352 5109

ANALYTICAL REPORT

PAGE 11 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

No. of SAMPLES: 736
DATE RECEIVED: 26/02/94
DATE COMPLETED: 31/03/94

CONTACT: THE MANAGER

ORDER No: AL538152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	2145	9	0.003	0.003	
	2147	2	<0.001		
	2149	6	<0.001		
	2151	<1	<0.001		
	2153	3	0.001		
	2155	11	<0.001		
	2157	<1	0.013		
	2159	2	0.002		
	2161	10	<0.001		
	2163	9	0.002		
	2165	16	0.001	0.001	
	2167	161	0.056	0.102	
	2169	13	0.002	0.002	
	2171	19	0.002		
	2173	9	0.001		
	2175	N.R.	N.R.	N.R.	N.R.
	2177	8	0.002		
	2179	4	<0.001		
	2181	12	<0.001		
	2183	10	<0.001		
	2185	24	<0.001		
	2187	16	0.001		
	2189	17	<0.001		
	2191	11	0.009		
	2193	4	<0.001		
	2195	7	<0.001		
	2197	8	<0.001		
	2199	7	<0.001		
	2201	5	<0.001		
	2203	8	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Porters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Perth Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Mt Isa Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 12 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 29/08/94
DATE COMPLETED: 31/08/94

ORDER No: 41532152

SAMPLE TYPE: SOTI

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	AU ppm PM205	AU PM205 ppm CHECKS	AU PM205 ppm CHECKS
	2205	10	<0.001		
	2207	9	0.002		
	2209	15	<0.001		
	2211	14	<0.001		
	2213	17	<0.001		
	2215	18	0.002		
	2217	9	<0.001		
	2219	27	0.005		
	2221	30	<0.001		
	2223	35	<0.001		
	2225	32	<0.001		
	2227	23	<0.001		
	2229	19	0.001		
	2231	10	0.001		
	2233	11	0.002	0.001	
	2235	7	0.001	0.001	
	2237	33	0.001	0.002	
	2239	11	<0.001		
	2241	27	<0.001		
	2243	21	<0.001		
	2245	72	0.001		
	2247	60	0.007		
	2249	42	0.001		
	2251	22	0.001		
	2253	9	0.001		
	2255	18	0.001		
	2257	17	0.001		
	2259	17	0.001		
	2261	16	0.003		
	2263	5	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Batters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 13 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: 5011

PROJECT No:

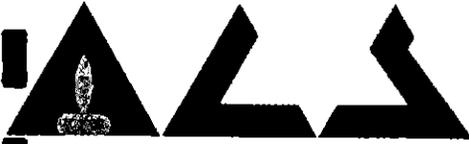
SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2265		9	0.002		
2267		4	<0.001		
2269		1	0.009		
2271		4	0.030	0.020	
2273		5	0.022		
2275		2	0.022		
2277		9	0.020		
2279		3	0.024		
2281		13	0.007		
2283		9	0.015		
2285		<1	0.004		
2287		<1	0.004		
2289		3	0.004		
2291		<1	0.004		
2293		3	0.004		
2295		19	0.008		
2297		8	0.012		
2299		3	0.006		
2301		12	0.006	0.010	
2303		8	0.018	0.020	
2305		5	0.004	0.006	
2307		2	0.006		
2309		5	0.006		
2311		3	0.004		
2313		<1	0.004		
2315		<1	0.001		
2317		<1	0.006		
2319		<1	0.014		
2321		1	0.004		
2323		3	0.018		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone (077) 79 9155 Fax (077) 79 9729
Queensland Laboratory
Phone (077) 87 4155 Fax (077) 87 4220
Sydney Laboratory
Phone (063) 63 1722 Fax (063) 63 1189
Melbourne Laboratory
Phone (051) 46 1390 Fax (051) 46 1389

Perth Laboratory
Phone (09) 249 2988 Fax (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 19 5545 Fax: (077) 18 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

PAGE 14 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

CONTACT: THE MANAGER

ORDER No: AL539152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	AS ppm G004	AU ppm FM205	AU FM205 ppm CHECKS	AU FM205 ppm CHECKS
2325		<1	0.016		
2327		2	0.016		
2329		<1	0.010		
2331		<1	0.024		
2333		4	0.022		
2335		2	0.064		
2337		<1	0.094		
2339		81	0.014	0.012	
2341		9	0.016		
2343		27	0.004		
2345		<1	0.006		
2347		2	0.006		
2349		4	0.003		
2351		2	0.018		
2353		7	0.004		
2355		2	0.003	0.002	
2357		6	0.024	0.006	
2359		4	0.124	0.092	
2361		2	0.130	0.100	
2363		<1	0.024	0.028	
2365		2	0.050	0.130	
2367		4	0.010		
2369		3	0.008	0.012	
2371		2	0.009	0.010	
2373		7	0.007	0.009	
2375		32	0.008		
2377		18	0.018		
2379		17	0.014		
2381		22	0.004		
2383		55	0.006		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Alice Laboratory
Phone (077) 79 9155 Fax (077) 79 9729
Porters Towers Laboratory
Phone (077) 87 4155 Fax (077) 87 4220
Perth Laboratory
Phone (083) 63 1722 Fax (063) 63 1189
Mt Isa Laboratory
Phone (054) 46 1390 Fax (054) 46 1389

Perth Laboratory
Phone (09) 249 2988 Fax (09) 249 2942
Kalgoorlie Laboratory
Phone (090) 21 1457 Fax (090) 21 6253
Alice Springs Laboratory
Phone (089) 52 0020 Fax (089) 52 0028
Mt Isa Laboratory
Phone (077) 49 5545 Fax (077) 48 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax (07) 352 5109

ANALYTICAL REPORT

PAGE 15 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER,

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL338152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2385		36	0.014		
2387		13	0.004		
2389		2	0.004		
2391		2	0.004		
2393		6	0.008		
2395		<1	0.005		
2397		2	0.010		
2399		<1	0.008		
2401		3	0.006		
2403		2	0.006		
2405		2	0.006		
2407		6	0.006	0.009	
2409		2	0.006		
2411		2	0.012		
2413		<1	0.002		
2415		<1	0.006		
2417		2	0.002		
2419		12	0.008		
2421		11	0.006		
2423		2	0.006		
2425		4	0.008		
2427		14	0.004		
2429		15	0.006		
2431		3	0.004		
2433		3	0.006		
2435		4	0.006		
2437		4	0.010	0.014	
2439		19	0.018	0.020	
2441		48	0.016	0.018	
2443		61	0.018		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Brisbane Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2445		54	0.014		
2447		14	0.020		
2449		15	0.020		
2451		24	0.024		
2453		29	0.012		
2455		45	0.018		
2457		57	0.036		
2459		38	0.020		
2461		12	0.008		
2463		13	0.018		
2465		11	0.026		
2467		11	0.046		
2469		11	0.024		
2471		10	0.016		
2473		4	0.004		
2475		4	0.010	0.034	0.010
2477		25	0.006		
2479		11	0.014		
2481		20	0.004		
2483		41	0.010		
2485		13	0.006		
2487		4	0.002		
2489		2	0.004		
2491		2	0.004		
2493		4	0.006		
2495		4	0.002		
2497		11	0.004		
2499		21	0.006		
2501		11	0.010		
2503		4	0.006		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Carters Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Mills Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mills Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 17 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2505		3	0.004	0.006	
2507		7	0.002	0.003	
2509		12	0.004	0.003	
2511		3	0.007		
2513		3	0.004		
2515		11	0.004		
2517		9	0.008		
2519		20	0.008		
2521		10	0.009		
2523		15	0.005		
2525		15	0.004		
2527		18	0.005		
2529		9	0.005		
2531		10	0.011		
2533		6	0.006		
2535		10	0.002		
2537		16	0.007		
2539		9	0.010		
2541		5	0.006		
2543		3	0.015	0.007	
2545		11	0.006		
2547		<1	0.005		
2549		11	0.005		
2551		4	0.004		
2553		4	0.009		
2555		2	0.009		
2557		4	0.004		
2559		7	0.003		
2561		2	0.005		
2563		<1	0.012		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Adelaide Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Brisbane Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Melbourne Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5516

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 18 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: A1538152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	2565	18	0.005		
	2567	13	0.007		
	2569	<1	0.004		
	2571	7	0.006		
	2573	2	0.007	0.021	
	2575	2	0.010	0.027	
	2577	3	0.050	0.074	
	2579	5	0.006		
	2581	3	0.008		
	2583	7	0.014		
	2585	<1	0.016		
	2587	4	0.016		
	2589	11	0.014		
	2591	9	0.022		
	2593	7	0.012		
	2595	10	0.008		
	2597	5	0.018		
	2599	10	0.014		
	2601	13	0.024		
	2603	4	0.008		
	2605	5	0.022		
	2607	3	0.012		
	2609	3	0.012	0.009	
	2611	5	0.001		
	2613	3	0.004		
	2615	<1	0.006		
	2617	6	0.002		
	2619	9	<0.001		
	2621	14	<0.001		
	2623	8	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 0253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS3815R

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2625		16	0.004		
2627		10	0.002		
2629		25	0.002		
2631		4	0.004		
2633		13	<0.001		
2635		6	0.016		
2637		4	0.002		
2639		11	0.002		
2641		7	0.002	0.002	
2643		4	<0.001	0.001	
2645		4	0.002		
2647		3	<0.001		
2649		6	0.008		
2651		1	0.090	0.020	
2653		4	0.006	0.076	
2655		<1	0.004		
2657		<1	0.006		
2659		<1	<0.001	0.002	
2661		7	0.010	0.044	
2663		4	0.170	0.180	
2665		<1	0.022	0.022	
2667		<1	0.032	0.050	
2669		16	0.050	0.036	
2671		11	0.026		
2673		5	0.018		
2675		9	0.026		
2677		20	0.008	0.006	
2679		5	0.024		
2681		11	0.022		
2683		7	0.022		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart Towers Laboratory
Phone: (077) 87 1155 Fax: (077) 87 4220
Wendee Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Yamanto Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (091) 219 2988 Fax: (091) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 46 5546

Brisbane Laboratory
Phone: (071) 352 5577 Fax: (071) 352 5109

ANALYTICAL REPORT

PAGE 20 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 22/02/94
DATE COMPLETED: 31/03/94

ORDER No: 41838152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 6004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2685		<1	0.010		
2687		12	0.061		
2689		26	0.034		
2691		5	0.018		
2693		2	0.008		
2695		17	0.002		
2697		11	0.006		
2699		29	0.001		
2701		13	0.002		
2703		8	0.008		
2705		4	0.046		
2707		2	<0.001	0.001	
2709		1	0.002	0.002	
2711		5	0.014	0.015	
2713		5	0.006	0.010	
2715		12	0.240	0.186	
2717		14	0.002	0.002	
2719		10	0.006		
2721		20	0.004		
2723		11	0.012		
2725		10	0.007		
2727		13	0.005		
2729		3	0.009		
2731		6	0.009		
2733		<1	0.007		
2735		<1	0.002		
2737		<1	0.003		
2739		<1	0.005		
2741		<1	0.002		
2743		<1	0.056		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Perth Laboratory
Phone (07) 79 9155 Fax (07) 79 9729
Brisbane Laboratory
Phone (07) 87 4155 Fax (07) 87 4220
Gold Coast Laboratory
Phone (063) 63 1722 Fax (063) 63 1189
Melbourne Laboratory
Phone (054) 46 1392 Fax (054) 46 1369

Perth Laboratory
Phone (09) 249 2988 Fax (09) 249 2942
Kalgoorlie Laboratory
Phone (080) 21 1457 Fax (080) 21 6253
Alice Springs Laboratory
Phone (089) 52 6020 Fax (089) 52 6028
Mt Isa Laboratory
Phone (077) 49 5545 Fax (077) 48 5546

Brisbane Laboratory
Phone (07) 352 5577 Fax (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 21 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL936152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2745		<1	0.006	0.005	
2747		<1	0.002		
2749		<1	0.004		
2751		<1	0.002		
2753		<1	0.002		
2755		1	0.010		
2757		<1	0.005		
2759		<1	0.007		
2761		1	0.003		
2763		<1	0.004		
2765		<1	0.011		
2767		<1	0.013		
2769		1	0.011		
2771		<1	0.020		
2773		<1	0.020		
2775		<1	0.005	0.004	
2777		14	0.008	0.004	
2779		16	0.004	0.003	
2781		15	0.003		
2783		17	0.020		
2785		20	0.004		
2787		20	0.010		
2789		16	0.003		
2791		13	0.004		
2793		16	0.024		
2795		17	0.006		
2797		23	0.006		
2799		25	0.006		
2801		38	<0.001		
2803		32	0.004		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stuart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Alice Springs Laboratory
Phone: (083) 63 1722 Fax: (083) 63 1189
Mt Isa Laboratory
Phone: (054) 46 1395 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: 517955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/02/94

ORDER No: A1 538152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	2805	21	0.004	0.010	
	2807	20	0.233		
	2809	15	0.024	0.015	
	2811	13	0.016		
	2813	17	0.038	0.032	
	2815	26	0.014		
	2817	12	0.024		
	2819	8	0.022		
	2821	9	0.014		
	2823	8	0.018		
	2825	10	0.008		
	2827	10	0.006		
	2829	8	0.010		
	2831	10	0.002		
	2833	9	0.014		
	2835	10	0.020		
	2837	9	0.002		
	2839	15	0.012		
	2841	8	0.004	0.006	
	2843	11	0.004	0.006	
	2845	10	0.002	0.002	
	2847	10	0.910		
	2849	8	0.026		
	2851	9	0.010		
	2853	13	0.010		
	2855	13	0.010		
	2857	13	<0.001		
	2859	13	0.001		
	2861	11	0.012		
	2863	9	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wentworthville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Mariners Towers Laboratory
Phone: (077) 87 4158 Fax: (077) 87 4220
Sydney Laboratory
Phone: (063) 03 1722 Fax: (063) 63 1189
Melbourne Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2342
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5516

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

ANALYTICAL REPORT

PAGE 23 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL 232152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 0004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2865		13	0.018		
2867		14	0.020		
2869		11	0.012		
2871		11	0.014		
2873		10	0.005		
2875		15	0.005		
2877		23	0.064		
2879		13	0.004	0.006	
2881		18	0.016		
2883		15	0.003		
2885		16	0.008		
2887		17	0.006		
2889		21	0.010		
2891		16	0.001		
2893		20	0.006		
2895		17	0.001		
2897		14	0.003		
2899		14	0.008		
2901		17	0.022		
2903		13	0.001		
2905		12	0.001		
2907		15	<0.001		
2909		17	0.005	0.004	
2911		23	<0.001	0.001	
2913		20	0.006	0.007	
2915		20	0.012		
2917		21	0.006		
2919		45	0.006		
2921		29	0.001		
2923		34	0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:

Whitlie Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Stokers Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Stokers Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
North Queensland Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2342
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 49 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: A1532152 SAMPLE TYPE: SOIL PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm 0004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
2925		27	0.006		
2927		36	0.003		
2929		26	0.001		
2931		19	0.005		
2933		21	0.007		
2935		30	0.010		
2937		29	0.008		
2939		24	0.018		
2941		19	0.018		
2943		20	0.003		
2945		18	0.014		
2947		21	0.010		
2949		22	0.010		
2951		36	0.020		
2953		17	0.012		
2955		22	0.008		
2957		39	0.020		
2959		84	0.016		
2961		52	0.020		
2963		47	0.008		
2965		134	0.022		
2967		119	0.020		
2969		266	0.040		
2971		92	0.032		
2973		98	0.066		
2975		92	0.032		
2977		141	0.034	0.032	
2979		248	0.040	0.030	
2981		98	0.008	0.008	
2983		95	0.044		
SECTION LIMIT:		1	0.001	0.001	0.001

REMARKS:



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 25 of 25

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL830152

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	2985	110	0.014		
	2987	77	0.012		
	2989	127	0.022		
	2991	97	0.170		
	2993	229	0.032		
	2995	141	0.026		
	2997	2390	2.18	2.70	3.80
	2999	174	0.022		
	3001	189	0.026		
	3003	13	0.010		
	3005	18	0.006		
	3007	30	0.004		
	3009	35	0.001		
	3011	37	0.001		
	3013	36	0.030		
	3015	36	0.005	0.005	
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Wendle Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Western Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Yarrabee Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Yarrabee Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5510

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 2

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: AL578152

SAMPLE TYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004			
*** 1563		5			
*** 1583		7			
*** 1603		17			
*** 1651		8			
*** 1671		12			
*** 1689		10			
*** 1737		10			
*** 1757		10			
*** 1777		6			
*** 1825		4			
*** 1845		3			
*** 1865		11			
*** 1913		24			
*** 1933		5			
*** 1953		5			
*** 2001		10			
*** 2021		8			
*** 2041		5			
*** 2089		5			
*** 2109		13			
*** 2129		<1			
*** 2177		9			
*** 2197		8			
*** 2217		8			
*** 2265		9			
*** 2285		4			
*** 2305		3			
*** 2353		7			
*** 2373		3			
*** 2393		8			
DETECTION LIMIT:		1			

COMMENTS: Results which appear on this report are routine laboratory checks for QUALITY CONTROL purposes.

Wentworth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Carters Towers Laboratory
Phone: (077) 27 4155 Fax: (077) 27 4220
Mackay Laboratory
Phone: (063) 63 1777 Fax: (063) 63 1189
Newcastle Laboratory
Phone: (051) 46 1390 Fax: (051) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 2 of 2

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST7955-0

CONTACT: THE MANAGER

No. of SAMPLES: 736
DATE RECEIVED: 28/02/94
DATE COMPLETED: 31/03/94

ORDER No: ALS38152

SAMPLE TYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004				
*** 2441		52				
*** 2461		16				
*** 2481		24				
*** 2529		7				
*** 2549		8				
*** 2569		5				
*** 2617		9				
*** 2637		2				
*** 2657		<1				
*** 2705		3				
*** 2725		6				
*** 2745		<1				
*** 2793		14				
*** 2813		27				
*** 2833		11				
*** 2881		21				
*** 2901		16				
*** 2921		28				
*** 2969		275				
*** 2989		135				
*** 2991		97				
DETECTION LIMIT:		1				

COMMENTS:

Perth Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729
Brisbane Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220
Sydney Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189
Melbourne Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Alice Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546

Brisbane Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109

APPENDIX C

Soil Assay Results

Evens Infill (Batch 1)


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 4

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8008-0

No. of SAMPLES: 105
DATE RECEIVED: 04/03/94
DATE COMPLETED: 07/04/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS		
LIS 16		12	0.004			
LIS 18		8	<0.001			
LIS 110		5	0.072			
LIS 112		14	0.018			
LIS 114		13	0.014			
LIS 126		20	0.010			
LIS 128		15	0.008			
LIS 130		8	0.006			
LIS 276		203	0.012			
LIS 281		27	0.001			
LIS 284		N.R.	N.R.	N.R.		
LIS 300		32	0.006			
LIS 302		16	0.010			
LIS 358		18	0.004			
LIS 360		22	0.012			
LIS 438		5	0.022	0.064		
LIS 440		8	0.016	0.012		
LIS 464		225	0.004	0.012		
LIS 466		318	0.010			
LIS 468		395	0.008			
LIS 470		200	0.044			
LIS 472		65	0.006			
LIS 474		560	0.020			
LIS 476		55	0.016			
LIS 478		46	0.004			
LIS 480		27	0.006			
LIS 498		14	0.002			
LIS 500		25	0.002			
LIS 502		14	0.004			
LIS 504		15	0.006			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Illawarra Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Bendigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Rising Sun Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Hobart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



All pages of this report
have been checked and
approved for release.

ANALYTICAL REPORT

PAGE 2 of 4

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8008-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 105
DATE RECEIVED: 04/03/94
DATE COMPLETED: 07/04/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205		
		ppm G004	ppm PM205	ppm CHECKS		
LIS 506		182	0.008			
LIS 566		216	0.002			
LIS 568		163	0.004			
LIS 602		50	0.002	0.001		
LIS 604		159	0.062			
LIS 646		42	0.002			
LIS 648		28	<0.001			
LIS 670		52	<0.001			
LIS 672		879	0.040			
LIS 674		36	0.004			
LIS 700		158	0.004			
LIS 702		34	0.006			
LIS 790		59	0.004			
LIS 792		41	0.004			
LIS 794		58	0.002			
LIS 796		99	0.004			
LIS 798		63	0.008			
LIS 808		139	0.006			
LIS 810		4	0.004			
LIS 816		114	0.008			
LIS 818		152	0.010			
LIS 844		89	0.004			
LIS 846		100	0.002			
LIS 848		213	0.006	0.004		
LIS 850		59	0.004	0.002		
LIS 852		50	0.004	0.004		
LIS 854		14	0.004			
LIS 856		68	0.010			
LIS 858		124	0.004			
LIS 860		228	0.008			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Stirling Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Alice Springs Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729

ANALYTICAL REPORT

PAGE 3 of 4

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8008-0

No. of SAMPLES: 105
DATE RECEIVED: 04/03/94
DATE COMPLETED: 07/04/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	
		ppm G004	ppm PM205	ppm CHECKS	
LIS 862		343	0.006		
LIS 864		244	0.006		
LIS 866		180	0.008		
LIS 868		64	0.006		
LIS 870		35	0.003		
LIS 872		151	0.007		
LIS 874		414	0.022		
LIS 876		239	0.005		
LIS 878		100	0.001		
LIS 880		590	0.013		
LIS 950		32	0.003		
LIS 952		273	0.003		
LIS 954		21	0.003	0.002	
LIS 978		41	0.005		
LIS 980		69	0.005		
LIS 1048		13	0.013		
LIS 1050		15	0.010		
LIS 1108		88	0.001		
LIS 1110		32	0.001		
LIS 1150		57	0.005		
LIS 1152		71	0.007		
LIS 1154		29	0.030		
LIS 1156		23	0.014		
LIS 1172		41	0.013		
LIS 1174		37	0.005		
LIS 1286		9	0.006	0.004	
LIS 1314		43	0.003		
LIS 1316		34	0.003		
LIS 1325		202	0.005		
LIS 1326		170	0.002	0.001	
DETECTION LIMIT:		1	0.001	0.001	

COMMENTS:

Perth Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Bendigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Mackay Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Cairns Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 4 of 4

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8008-0

No. of SAMPLES: 105
DATE RECEIVED: 04/03/94
DATE COMPLETED: 07/04/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205		
		ppm G004	ppm PM205	ppm CHECKS		
LIS 1328		237	0.014			
LIS 1334		225	0.012			
LIS 1336		23	0.004			
LIS 1354		52	0.016			
LIS 1356		25	0.012			
LIS 1360		107	0.004			
LIS 1362		109	0.002			
LIS 1364		143	0.012			
LIS 1366		80	0.003			
LIS 1468		33	0.012			
LIS 1470		14	0.076			
LIS 1484		261	0.014	0.012		
LIS 1486		99	0.004	0.004		
LIS 200		56				
LIS 1284		29		0.012		
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

PAGE 1 of 1

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8008-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 105
DATE RECEIVED: 04/03/94
DATE COMPLETED: 07/04/94

ORDER No: LETTER

SAMPLE TYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	AS PPM G004			
*** LIS 276		194			
*** LIS 466		302			
*** LIS 502		15			
*** LIS 846		99			
*** LIS 866		189			
*** LIS 954		19			
*** LIS 1362		110			
*** LIS 1364		146			
DETECTION LIMIT:		1			

COMMENTS: Results which appear on this report are routine laboratory checks for QUALITY CONTROL purposes.

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Endigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Mt Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729

APPENDIX D

Soil Assay Results

Evens Infill (Batch 2)


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

CONTACT: MR B MCNEIL

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	Au PM205
		ppm G004	ppm PM205	ppm CHECKS	ppm CHECKS
LIS 570		69	0.002		
LIS 572		273	0.001		
LIS 574		30	<0.001		
LIS 664		29	0.003		
LIS 666		21	0.003		
LIS 134		9	0.006		
LIS 136		10	0.025	0.010	
LIS 1042		9	0.006		
LIS 1130		38	0.001		
LIS 1132		49	0.003		
LIS 1570		15	0.003		
LIS 1572		18	0.001		
LIS 2218		15	0.020		
LIS 2220		18	0.008		
LIS 2396		12	0.005		
LIS 2398		9	0.010		
LIS 2440		14	0.010		
LIS 2444		34	0.007		
LIS 2446		18	0.007		
LIS 2448		16	0.006	0.006	
LIS 2450		22	0.008	0.006	
LIS 2452		28	0.005	0.006	
LIS 2454		43	0.003		
LIS 2456		39	0.007		
LIS 2458		30	0.010		
LIS 2460		22	0.007		
LIS 2462		16	<0.001		
LIS 2462 2478		14	0.010		
LIS 2464		25	0.013		
LIS 2466		21	0.010		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:



Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Orange Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
St Leonards Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729

All pages of this report
have been checked and
approved for release.


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 2 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: STB464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 2468		23	0.010		
LIS 2470		16	0.009		
LIS 2472		45	0.012		
LIS 2474		8	0.005		
LIS 2476		8	0.001		
LIS 2480		13	0.001		
LIS 2482		73	0.001		
LIS 1606		18	0.008		
LIS 1608		11	0.004		
LIS 1610		18	0.004		
LIS 1612		12	0.003		
LIS 1614		10	0.001		
LIS 1616		14	0.001		
LIS 1618		13	0.003		
LIS 1620		8	0.004		
LIS 1622		12	0.005		
LIS 1624		7	0.003		
LIS 1626		10	0.006		
LIS 1628		11	0.003		
LIS 1630		12	<0.001		
LIS 1621		8	<0.001		
LIS 2438		23	0.003		
LIS 2442		54	0.010		
LIS 2530		12	0.008		
LIS 2532		11	0.154	0.088	0.098
LIS 2538		11	0.056	0.014	0.020
LIS 2540		10	0.010	0.014	
LIS 2542		11	0.003		
LIS 2544		11	0.002		
LIS 2562		27	0.003		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Indigo Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Fishbone Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 3 of 12

CLIENT: MAC MINING M I
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 2564		9	0.003		
LIS 2572		7	0.004		
LIS 2574		7	0.002		
LIS 2576		8	0.003		
LIS 2578		9	0.001		
LIS 2580		6	0.003		
LIS 2582		9	0.006		
LIS 2584		7	0.006		
LIS 2586		6	0.004		
LIS 2588		15	0.005		
LIS 2590		15	0.003		
LIS 2592		12	0.002		
LIS 2594		7	0.001		
LIS 2596		11	0.001	<0.001	
LIS 2598		15	0.003		
LIS 2600		36	0.005		
LIS 2579		8	0.004		
LIS 1956		7	0.004		
LIS 1958		11	0.006		
LIS 1960		17	0.005		
LIS 1957		9	0.003		
LIS 1966		N.R.	N.R.		
LIS 1968		6	0.003		
LIS 1970		7	0.001		
LIS 1974		9	0.006		
LIS 1976		11	0.028		
LIS 2484		15	0.004		
LIS 2486		11	0.001		
LIS 2492		7	0.003		
LIS 2500		13	0.001	<0.001	
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

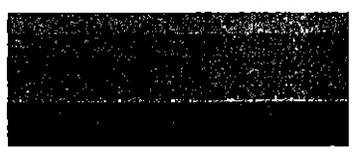
Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

PAGE 4 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 2502		8	0.003	0.004	
LIS 2658		8	0.001	0.002	
LIS 2660		9	0.003		
LIS 2662		7	0.001		
LIS 2664		7	0.002		
LIS 2666		8	0.003		
LIS 2668		9	0.005		
LIS 2670		7	0.004		
LIS 2672		11	0.005		
LIS 2674		8	0.005		
LIS 2676		8	0.001		
LIS 2678		9	0.003		
LIS 2680		11	0.001		
LIS 2682		13	<0.001		
LIS 2684		5	<0.001		
LIS 2686		9	0.003		
LIS 2688		12	0.006		
LIS 2690		11	0.005		
LIS 2692		23	0.012	0.014	
LIS 2694		7	<0.001		
LIS 2704		22	<0.001		
LIS 2706		11	<0.001		
LIS 1692		9	<0.001		
LIS 1694		8	0.001		
LIS 1732		8	<0.001		
LIS 1734		15	<0.001		
LIS 1740		11	0.001		
LIS 1742		6	0.001		
LIS 1814		14	<0.001		
LIS 1816		16	<0.001	<0.001	
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Tandago Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Tisbury Laboratory
Phone: (071) 352 5577 Fax: (071) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 5 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	Au PM205
		ppm G004	ppm PM205	ppm CHECKS	ppm CHECKS
LIS 1826		6	0.001		
LIS 1828		13	<0.001		
LIS 1830		11	<0.001		
LIS 1832		8	<0.001		
LIS 1834		7	<0.001		
LIS 2110		309	0.004		
LIS 2112		11	<0.001		
LIS 2114		13	<0.001		
LIS 2116		16	<0.001		
LIS 2410		11	<0.001		
LIS 2412		11	<0.001		
LIS 2914		14	<0.001		
LIS 2916		18	<0.001		
LIS 2136		11	<0.001		
LIS 2138		18	<0.001	<0.001	
LIS 2164		21	<0.001	<0.001	
LIS 2166		10	<0.001	<0.001	
LIS 2168		112	0.005		
LIS 2170		29	<0.001		
LIS 2172		20	<0.001		
LIS 2156		34	<0.001		
LIS 2158		21	<0.001		
LIS 2190		20	<0.001		
LIS 2192		21	<0.001		
LIS 2804		37	0.001		
LIS 2806		36	<0.001		
LIS 2064		16	<0.001		
LIS 2066		12	<0.001		
LIS 2816		16	<0.001		
LIS 2818		12	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Indigo Springs Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Indigo Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Indigo Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 8253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 6 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8164-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As PPM G004	Au PPM PM205	Au PM205 PPM CHECKS	Au PM205 PPM CHECKS
LIS 2820		14	<0.001		
LIS 2822		16	<0.001		
LIS 2824		13	<0.001		
LIS 2826		19	<0.001	<0.001	
LIS 2828		19	<0.001		
LIS 2830		15	<0.001		
LIS 2832		14	0.001		
LIS 2834		14	0.007		
LIS 2836		12	0.002		
LIS 2838		13	<0.001		
LIS 2840		20	0.002		
LIS 2846		23	0.001		
LIS 2848		16	<0.001		
LIS 2850		14	<0.001		
LIS 2852		18	0.001		
LIS 2854		17	<0.001		
LIS 2856		17	<0.001		
LIS 2858		16	<0.001		
LIS 2860		29	<0.001	0.001	
LIS 2862		17	<0.001	<0.001	
LIS 2864		19	<0.001	<0.001	
LIS 2866		23	0.001		
LIS 2868		18	<0.001		
LIS 2870		17	<0.001		
LIS 2872		30	0.001		
LIS 2874		22	<0.001		
LIS 2876		22	0.003		
LIS 2878		19	<0.001		
LIS 2880		20	0.001		
LIS 2882		15	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Endigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Mt Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029



ANALYTICAL REPORT

PAGE 7 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 2884		16	<0.001		
LIS 2886		16	0.034	0.056	
LIS 2888		15	0.004		
LIS 2890		23	0.005		
LIS 29000		20	0.001		
LIS 29002		16	<0.001		
LIS 1642		16	<0.001		
LIS 1644		16	<0.001	<0.001	
LIS 1646		19	<0.001		
LIS 1680		16	0.018		
LIS 1682		8	0.008		
LIS 1684		18	0.090	0.126	
LIS 1686		15	0.016		
LIS 1986		11	<0.001		
LIS 2602		20	<0.001		
LIS 2604		17	0.001		
LIS 2606		18	<0.001		
LIS 2608		10	<0.001		
LIS 2610		12	0.001		
LIS 2908		24	<0.001		
LIS 2810		23	<0.001		
LIS 2912		26	<0.001		
LIS 2814		32	<0.001	<0.001	
LIS 2934		21	<0.001	<0.001	
LIS 2936		26	<0.001	<0.001	
LIS 2938		24	<0.001		
LIS 2940		23	<0.001		
LIS 2942		20	0.001		
LIS 2944		22	<0.001		
LIS 2946		18	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Isa Laboratory
Phone: (07) 352 5377 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 8 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 2948		25	<0.001		
LIS 2268		15	<0.001		
LIS 2270		14	<0.001		
LIS 2272		12	<0.001		
LIS 2274		16	<0.001		
LIS 2276		13	<0.001		
LIS 2278		24	0.001		
LIS 2280		44	0.006		
LIS 2282		16	0.020		
LIS 2284		8	<0.001		
LIS 2246		41	0.006		
LIS 2248		79	0.005	0.008	
LIS 2648		14	0.006		
LIS 2650		11	0.001		
LIS 2652		8	<0.001		
LIS 2654		14	0.004		
LIS 2656		9	<0.001		
LIS 2710		14	0.001		
LIS 2712		13	0.001		
LIS 2714		14	0.001		
LIS 2716		20	<0.001		
LIS 2718		14	<0.001		
LIS 2720		16	0.001		
LIS 2722		21	0.001		
LIS 2724		25	0.003		
LIS 2726		24	0.001		
LIS 2728		26	0.004		
LIS 2782		19	0.012	0.008	
LIS 2784		21	0.246	0.182	
LIS 2786		21	0.004		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Inverness Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Endigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
North Queensland Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Highers Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 9 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	Au PM205
		ppm G004	ppm PM205	ppm CHECKS	ppm CHECKS
LIS 2788		21	0.005		
LIS 2790		14	<0.001		
LIS 2792		20	<0.001		
LIS 2794		28	0.004		
LIS 1650		14	<0.001		
LIS 1988		14	<0.001		
LIS 2436		13	<0.001		
LIS 2174		11	<0.001		
LIS 2176		13	0.001		
LIS 2950		38	0.001		
LIS 2952		18	0.001		
LIS 2954		28	0.004		
LIS 2956		67	0.006		
LIS 2958		53	0.005		
LIS 2960		76	0.012		
LIS 2962		74	0.012	0.016	
LIS 2964		57	0.012		
LIS 2966		150	0.004		
LIS 2968		100	0.048	0.068	
LIS 2970		157	0.005		
LIS 2972		83	0.086	0.061	
LIS 2974		63	0.004		
LIS 2976		125	0.004		
LIS 2978		82	0.018		
LIS 2980		240	0.026		
LIS 2982		56	0.001		
LIS 2984		61	0.001		
LIS 2986		107	0.005		
LIS 2988		62	0.008	0.008	
LIS 2990		167	0.012	0.016	
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mandigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Stirling Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 10 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As	Au	Au PM205	Au PM205
		ppm G004	ppm PM205	ppm CHECKS	ppm CHECKS
LIS 2992		102	0.005	0.008	
LIS 2994		225	0.032		
LIS 2996		171	0.016		
LIS 2998		106	0.017		
LIS 3000		154	0.010		
LIS 3002		103	0.008		
LIS 1592		11	0.031		
LIS 1594		52	0.009		
LIS 1596		21	0.004		
LIS 1598		19	0.031		
LIS 1600		20	0.022		
LIS 1602		22	0.004		
LIS 1798		172	0.002		
LIS 1800		158	0.008		
LIS 1802		196	0.014		
LIS 1804		67	<0.001		
LIS 1806		45	<0.001		
LIS 1808		30	<0.001		
LIS 2016		19	<0.001		
LIS 2018		17	0.004		
LIS 2020		14	<0.001		
LIS 2030		14	0.008		
LIS 2032		12	0.003		
LIS 2042		15	0.002		
LIS 2044		12	<0.001		
LIS 2634		13	<0.001		
LIS 2636		16	<0.001		
LIS 2754		12	0.001		
LIS 2756		17	<0.001		
LIS 1658		34	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Spring Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Towers Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 11 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

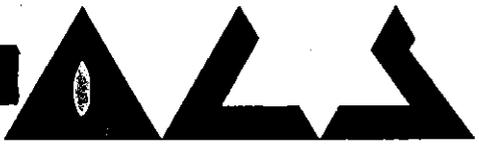
SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
LIS 1660		32	<0.001		
LIS 1662		26	<0.001		
LIS 1664		14	<0.001	<0.001	
LIS 1722		20	<0.001	<0.001	
LIS 1724		29	<0.001	<0.001	
LIS 1768		9	<0.001		
LIS 1770		14	0.007		
LIS 1910		55	0.001		
LIS 1912		55	0.008		
LIS 1914		26	<0.001		
LIS 1938		16	<0.001		
LIS 1940		15	<0.001		
LIS 1946		16	0.001		
LIS 1948		12	<0.001		
LIS 2742		14	<0.001		
LIS 2744		12	<0.001		
LIS 2764		13	<0.001		
LIS 2766		13	0.001		
LIS 2768		11	<0.001		
LIS 2770		13	<0.001		
LIS 2772		13	0.004		
LIS 2774		13	0.001	<0.001	
LIS 2294		10	<0.001		
LIS 2296		12	<0.001		
LIS 2298		10	<0.001		
LIS 2300		10	<0.001		
LIS 2302		10	<0.001		
		1632	<0.001		
		1658	<0.001		
		1660	<0.001		
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 12 of 12

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-0

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS	Au PM205 ppm CHECKS
	1662	16	0.001	0.001	
DETECTION LIMIT:		1	0.001	0.001	0.001

COMMENTS:

Spring Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Endigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Riverview Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 1

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8164-0

CONTACT: MR B MCNEIL

No. of SAMPLES: 331
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004			
*** LIS 1130		37			
*** LIS 2446		18			
*** LIS 2464		27			
*** LIS 2442		58			
*** LIS 2574		9			
*** LIS 2594		6			
*** LIS 2668		10			
*** LIS 2688		14			
*** LIS 1740		12			
*** LIS 2156		38			
*** LIS 2820		15			
*** LIS 2840		19			
*** LIS 29000		18			
*** LIS 2602		23			
*** LIS 2936		25			
*** LIS 2712		17			
*** LIS 2784		21			
*** LIS 2176		13			
*** LIS 2996		177			
*** LIS 1798		187			
*** LIS 2032		16			
*** LIS 2764		7			
*** LIS 2766		16			
DETECTION LIMIT:		1			

COMMENTS: Results which appear on this report are routine laboratory checks for QUALITY CONTROL purposes.

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Indigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Isa Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 1 of 2

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-1

CONTACT: MR B MCNEIL

No. of SAMPLES: 33
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS		
2318		14	0.002			
2320		10	<0.001			
2322		11	0.001			
2324		10	0.001			
2326		7	0.002			
2328		11	0.004	0.002		
2330		8	0.003	0.001		
2332		6	<0.001			
2334		11	0.003	0.002		
2336		8	0.006			
2338		12	0.003			
2340		39	<0.001			
2342		13	<0.001			
2344		11	0.001			
2350		11	<0.001			
2352		10	<0.001			
2354		11	<0.001			
2356		11	0.001			
2358		14	0.001			
2360		12	0.001			
2362		13	0.001			
2364		11	<0.001			
2366		12	0.001			
2368		14	0.001			
2370		12	<0.001			
2372		18	0.001	0.001		
2374		22	0.001			
2376		29	0.002			
2378		14	<0.001			
2380		16	0.001			
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
 Emerald Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
 Mackay Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
 Mount Isa Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
 Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
 Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
 Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
 Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



All pages of this report
have been checked and
approved for release.


**AUSTRALIAN
LABORATORY
SERVICES P/L**

A.C.N. 009 936 029

ANALYTICAL REPORT

PAGE 2 of 2

CLIENT: MAC MINING N I
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-1

CONTACT: MR B MCNEIL

No. of SAMPLES: 33
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

ORDER No: LETTER

SAMPLE TYPE: SOIL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004	Au ppm PM205	Au PM205 ppm CHECKS		
	2382	119	0.002			
	2384	28	0.003			
	2386	37	0.001	0.002		
DETECTION LIMIT:		1	0.001	0.001		

COMMENTS:

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Mungah Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
St. Lawrence Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (080) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729



**AUSTRALIAN
LABORATORY
SERVICES P/L**
A.C.N. 009 936 029



ANALYTICAL REPORT

PAGE 1 of 1

CLIENT: MAC MINING N L
ADDRESS: P O BOX 7996
GOLD COAST MAIL CENTRE
QLD 4217

LABORATORY: STAFFORD
BATCH NUMBER: ST8464-1

No. of SAMPLES: 33
DATE RECEIVED: 21/04/94
DATE COMPLETED: 16/05/94

CONTACT: MR B MCNEIL

ORDER No: LETTER

SAMPLE TYPE: QUALITY CONTROL

PROJECT No:

SAMPLE NUMBER	ELEMENT UNIT METHOD	As ppm G004				
*** 2334		15				
*** 2358		13				
*** 2378		14				
DETECTION LIMIT:		1				

COMMENTS: Results which appear on this report are routine laboratory checks for QUALITY CONTROL purposes.

Cloncurry Laboratory
Phone: (089) 52 6020 Fax: (089) 52 6028
Endigo Laboratory
Phone: (054) 46 1390 Fax: (054) 46 1389
Geelong Laboratory
Phone: (07) 352 5577 Fax: (07) 352 5109
Hobart Towers Laboratory
Phone: (077) 87 4155 Fax: (077) 87 4220

Cloncurry Laboratory
Phone: (077) 42 1323 Fax: (077) 42 1685
Kalgoorlie Laboratory
Phone: (090) 21 1457 Fax: (090) 21 6253
Mt Isa Laboratory
Phone: (077) 49 5545 Fax: (077) 48 5546
Orange Laboratory
Phone: (063) 63 1722 Fax: (063) 63 1189

Perth Laboratory
Phone: (09) 249 2988 Fax: (09) 249 2942
Townsville Laboratory
Phone: (077) 79 9155 Fax: (077) 79 9729

APPENDIX E

Rock Assay Results

12 Samples (Analabs)



ANALABS

A Division of Incharge Testing Services (Australia) Pty. Ltd.
A.C.N. 004 591 664

906109

Phone (004) 318837

14 Thirkell St. COOEE TAS 7320

Fax (004) 318890

ANALYTICAL REPORT No.

100300.40.10172

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

ORDER No.

PROJECT

INVOICE TO:

Cash Sale

DATE RECEIVED

RESULTS REQUIRED

28/04/94

ASAP

No. OF PAGES OF RESULTS

DATE REPORTED

No. OF COPIES

TOTAL No. OF SAMPLES

1

19/05/94

1

12

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

LIR VARIOUS

RD Prep : 6P033

Au, Au(R), Au(S)/66309

As/HA140

As/GA140

RESULTS TO

Cash Sale
Macmin NL
C/- Grant Macdonald
112 Best Street
DEVONPORT TAS 7310

RESULTS TO

RESULTS TO

REMARKS

AUTHORISED OFFICER



ANALYTICAL DATA

SAMPLE PREFIX

REPORT No.

REPORT DATE

CLIENT ORDER No.

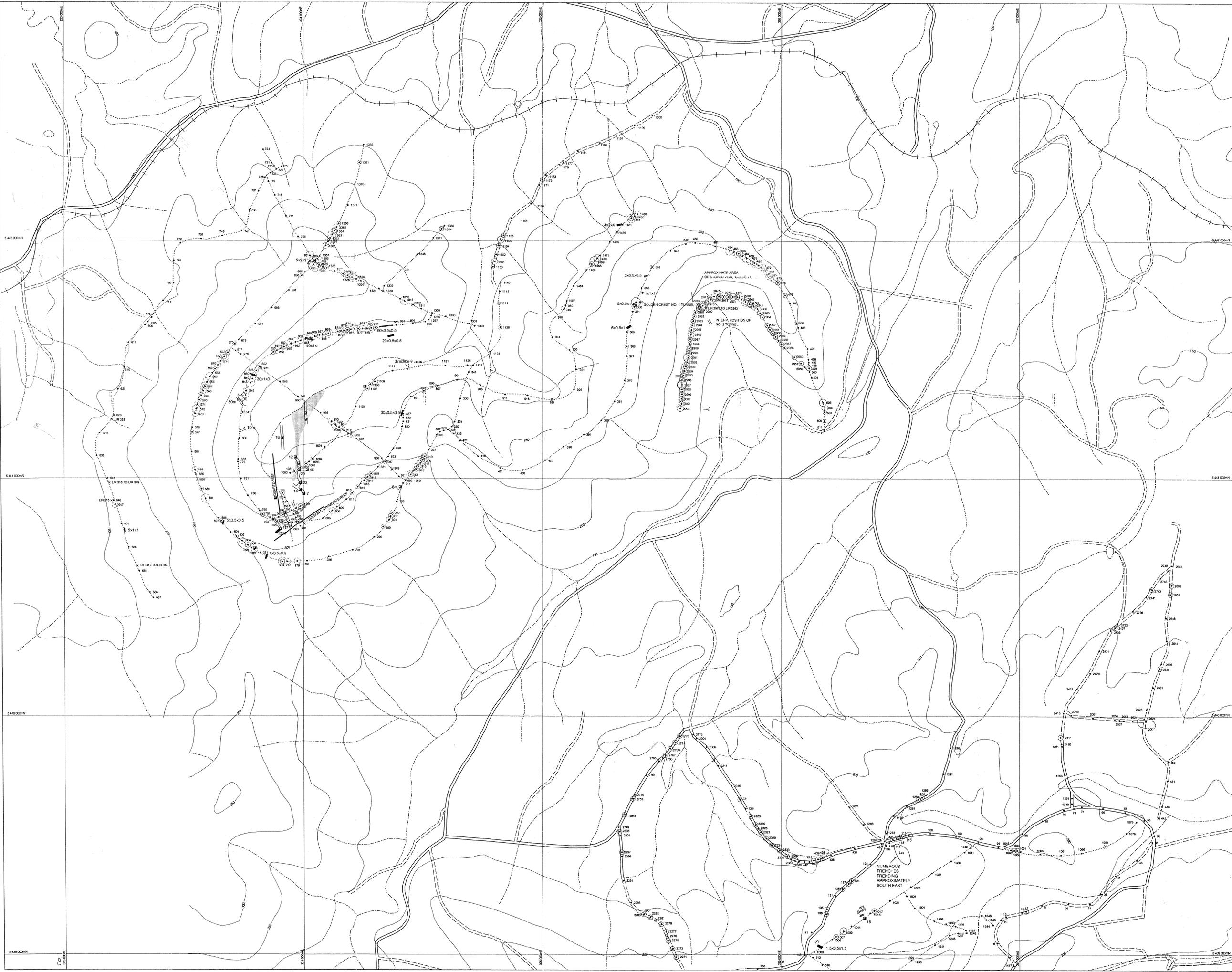
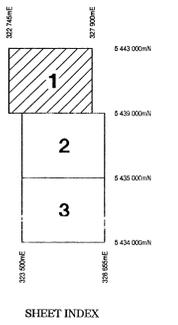
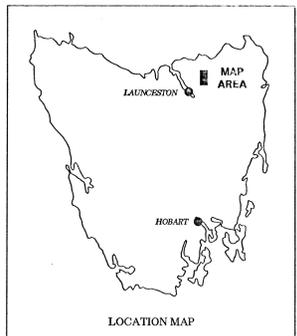
PAGE

SAMPLE PREFIX		REPORT No.				REPORT DATE		CLIENT ORDER No.		PAGE	
		103300.60.10172				19/05/94				1 OF 1	
METHOD	SAMPLE No.	Au	Au(R)	Au(S)	As	As					
		GG309	GG309	GG309	HA140	GA140					
1	LIR 1620	<0.008	-	-	11.0	-					
2	LIR 1627	<0.008	-	-	4.5	-					
3	LIR 1628	<0.008	-	-	5.0	-					
4	LIR 1696	0.037	-	-	25.5	-					
5	LIR 2497	<0.008	-	-	6.5	-					
6	LIR 2562	<0.008	-	<0.008	7.5	-					
7	LIR 2570	<0.008	-	-	7.5	-					
8	LIR 2580	0.034	-	-	4.5	-					
9	LIR 2979	0.081	-	-	>100.0	1870					
10	LIR 2980	12.700	-	-	>100.0	770					
11	LIR 2981	0.127	-	-	>100.0	250					
12	LIR 2982	1.880	2.050	-	>100.0	6800					
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24	DETECTION	0.008	0.008	0.008	0.5	50					
25	UNITS	%	%	%	ppm	ppm					

Results in ppm unless otherwise specified
 - element not determined

IS = insufficient sample
 SNR = sample not received

AUTHORISED OFFICER

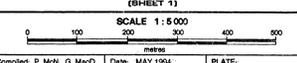


- LEGEND**
- Main Road
 - Minor Road (solid)
 - Track (unsealed)
 - Railway
 - Creek
 - Contour (C.I. = 50m)
 - Trench (for information use only) with length and width (m)
 - Shaft with depth (m), if known
 - Quartz Reef
 - Alluvial Workings
 - Simple Trenches (20m interval)
 - Sample Location and Number. Soil samples prefixed LJR, only sample ending in 4 or 5, out of order or on the end of a traverse are shown.
 - Rock Chip samples prefixed LJR
 - Gold Assay Result
0.01 - 0.07 ppm
0.07 - 0.12 ppm
+ 0.12 ppm
 - Atomic Assay Result
50 - 100 ppm
100 - 200 ppm
+ 200 ppm

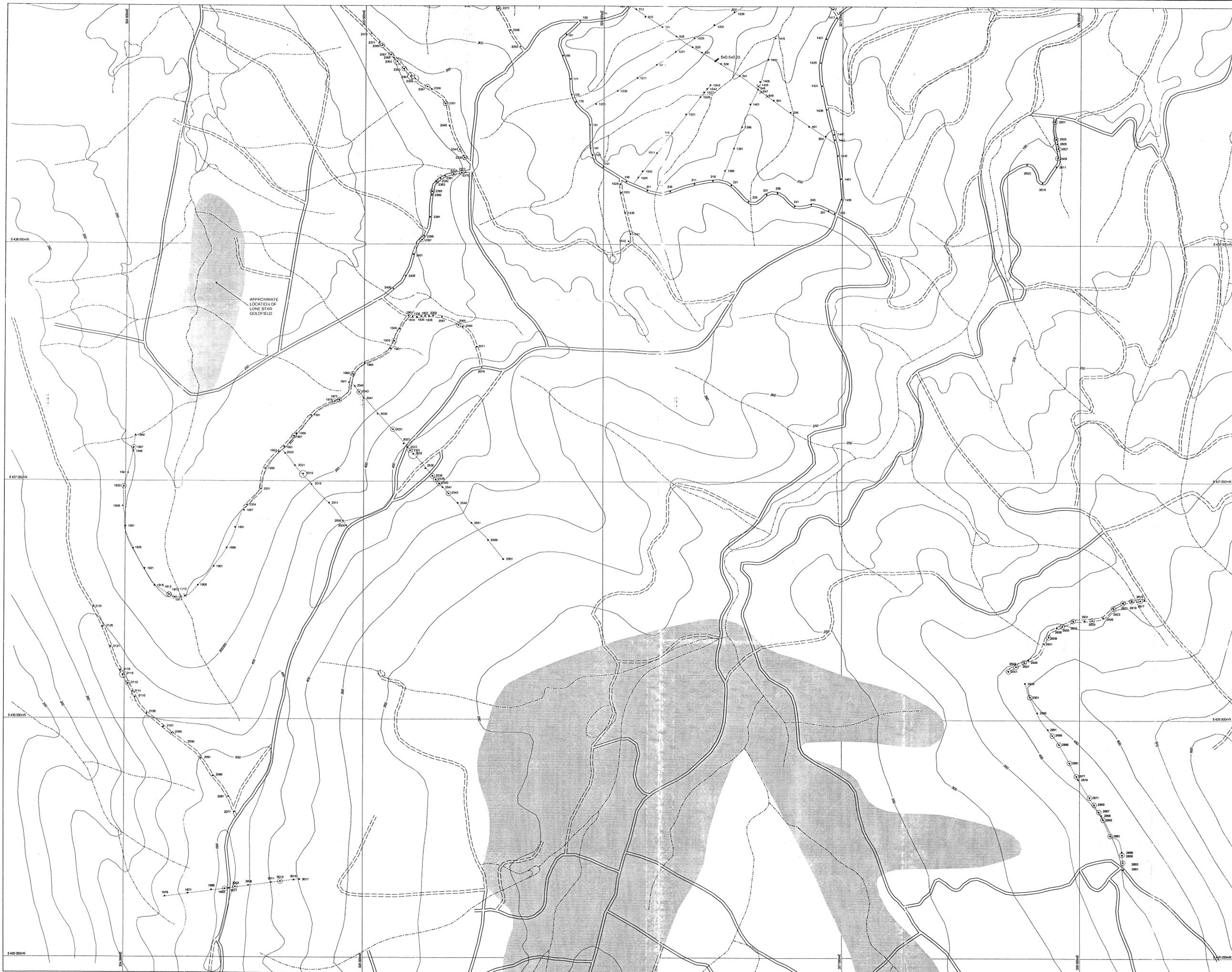
Compiled from 1 : 25 000 Topographic Sheet enlargements and from Aerial Photograph blowups

94-3579 906111

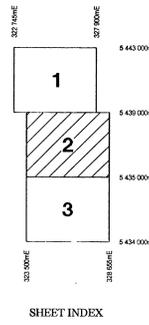
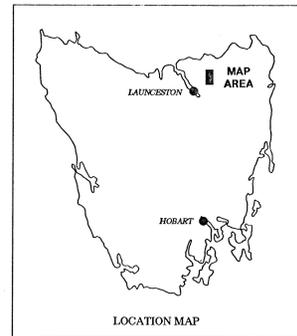
MACMIN N.L.
LIBLE - GOLCONDA GOLDFIELDS
NORTHWEST TASMANIA
E.L. 25/912
**RECONNAISSANCE SOIL LINES
SAMPLE LOCATIONS**
(Sheet 1)



Compiled: P. McN., G. MacD. | Date: MAY 1994 | PLATE:
Drawn: NORTHPOINT CARTOGRAPHICS | Draw. No.: LISLEBON DGN



APPROXIMATE
LOCATION OF
LONE STAR
GOLDFIELD



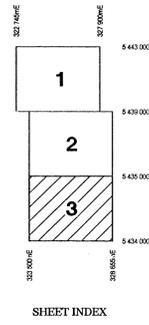
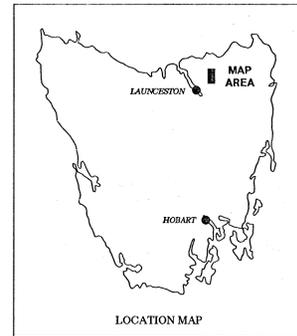
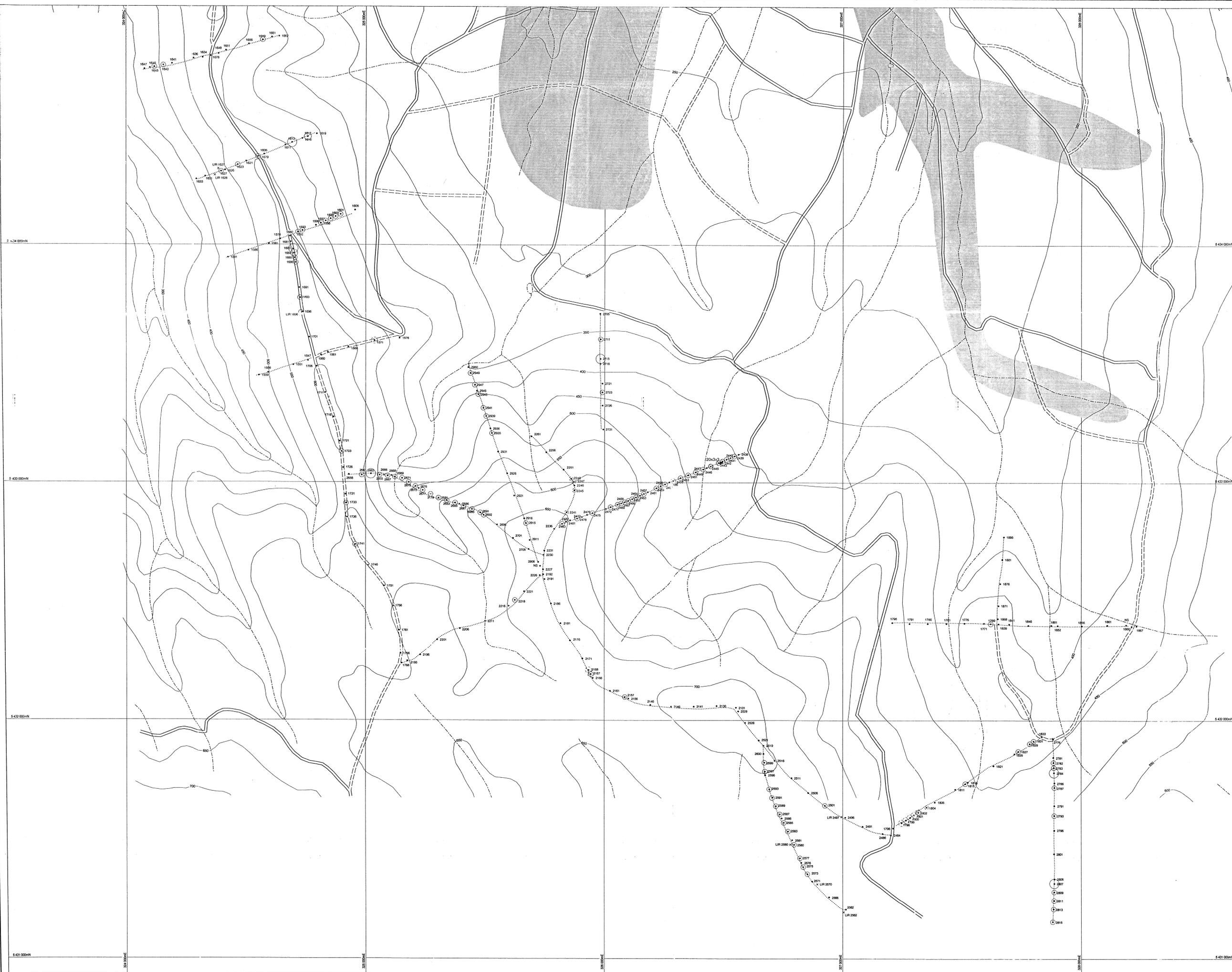
- LEGEND**
- Main Road
 - Minor Road (enclosed)
 - Track (enclosed)
 - Railway
 - Creek
 - Contour (C.L. = 50m)
 - 1.6x0.6x1.5
15
50
Quartz Reef
Alluvial Workings
 - Sample Traverse (20m Interval)
 - 475
312
 - Rock Chip sample preformed LER
 - Gold Assay Result
0.05 - 0.07 ppm
0.07 - 0.12 ppm
+ 0.12 ppm
 - Arassic Assay Result
30 - 100 ppm
100 - 200 ppm
+ 200 ppm

Compiled from 1 : 25 000 Topographic Sheet enlargements and from Aerial Photograph blowups

94-3579

MACMIN N.L.
LIBLE - GOLCONDA GOLDFIELDS
NORTHWEST TASMANIA
R.L. 25 3125 - LIBLE
**RECONNAISSANCE SOIL LINES
SAMPLE LOCATIONS**
(SHEET 2)

SCALE 1 : 5 000
0 100 200 300 400 500
metres
Compiled: P. McN. G. MacD. Date: MAY 1994
Drawn: NORTHPOINT CARTOGRAPHICS | Dig. No.: LISLE02.DGN



- LEGEND**
- Main Road
 - Minor Road (sealed)
 - Track (unsealed)
 - Railway
 - Creek
 - Contour (C.L. = 50m)
 - Trench (orientation as shown) with length x width x depth (m)
 15
 30
 45
 60
 75
 90
 105
 120
 135
 150
 165
 180
 195
 210
 225
 240
 255
 270
 285
 300
 - Quartz Reef
 - Alluvial Workings
 - Sample Traverse (20m interval)
 - Sample Location and Number:
 Soil Samples prefixed L2S, only samples ending in 1 or 6, out of order or on the end of a traverse are shown
 - Rock Chip sample prefixed LJR
 - Gold Assay Result:
 0.01 - 0.07 ppm
 0.07 - 0.12 ppm
 0.12 ppm
 - Arsenic Assay Result:
 50 - 100 ppm
 100 - 200 ppm
 200 ppm

5 cm

Compiled from 1 : 25 000 Topographic Sheet on a grid and from Aerial Photograph blowups

94-3579

906113

MACMIN N.L.
 LIBLE - GOLDFINDA GOLDFIELDS
 NORTH-WEST TASMANIA
 E.L. 5/ 915 - LISLE

**RECONNAISSANCE SOIL LINES
 SAMPLE LOCATIONS**
 (SHEET 2)

SCALE 1 : 5 000
 0 100 200 300 400 500
 metres

Compiled: P. McN., G. MacD. Date: MAY 1994. PLATE:
 Drawn: NORTHPOINT CARTOGRAPHICS. Dwg. No.: LISLE02.DGN