ZAPOPAN N.L.

EXPLORATION LICENCE 5419

TANAMI REGION

NORTHERN TERRITORY

FIRST RELINQUISHMENT REPORT 1992

MT SOLITAIRE 1:250,000 SHEET SF 52-4

Date: August, 1992
Our Ref: 92.566-RM:AH

CR92/519

Our Ref: 92.566-RM:AH

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1. SUMMARY AND CONCLUSIONS

This report is submitted as a requirement of the statutory relinquishment of 155 blocks out of Exploration Licence 5419 and summarises work carried out on the relinquished areas. This has consisted of literature searches, aerial photography acquisition, open file airborne magnetic data acquisition and subsequent image processing and interpretation and the collection of one (1) laterite and two (2) rock chip samples.

The results of the work in the relinquished area did not warrant any further work being undertaken.

2. INTRODUCTION

Exploration Licence 5419 was granted on 3 May, 1989 to Harlock Pty Ltd. A 50% interest was subsequently transferred to Zapopan NL. Harlock's interest was held in trust on behalf of Kumagai Gumi Co Ltd (30%) "Kumagai" and Kintaro Metals Pty Ltd (20%) "Kintaro". Zapopan, Kumagai and Kintaro comprised the Tanami Joint Venture (TJV). Zapopan acquired the remaining 50% of the Tanami Joint Venture in September, 1991 and EL 5419 was transferred totally to Zapopan on 28th November, 1991.

The EL covered an area of 998 km^2, equivalent to 310 blocks, and is located approximately 70 km north-east of The Granites Gold Mine. There are no access roads into the area, the nearest road being at Mt Davidson Outstation, 20 km south of the licence area.

The EL lies totally on Aboriginal land within the Central Desert Land Trust area.

The area is predominantly a sand plain with scattered low rises and pediments, red earth plains and quartz ridges.

A total of 155 blocks was relinquished from EL 5419 effective from 3rd May, 1992 and the attached portion of the 1:250,000 scale tenement plan for the Mt Solitaire sheet shows the areas relinquished.

3. GEOLOGY

EL 5419 is predominantly covered by sand plains with scattered low rises and pediments, red earth plains and quartz ridges.

Interpretation of airborne magnetic data suggest that much of the area is underlain by granite with "islands" of magnetic rocks. The latter form part of the Lower Proterozoic Lander Rock Beds (Offe and Kennewell, 1978) which are equivalent to the Mt Charles Beds to the west. In the Mt Solitaire Sheet area the Lander Rock Beds have been metamorphosed and folded and form steeply dipping biotite-muscovite phyllite and schist, sandy schist and minor gneiss intruded by granite and pegmatite.

North-west trending quartz ridges of assumed Lower Proterozoic age occur in the northern part of the EL. The quartz intrudes along major fracture zones.

A veneer of Cainozoic sediments restricts most outcrop to small, low areas of generally weathered rock. These sediments include areas of silcrete, ferricrete, gravel, calcrete lacustrine clays, red soil, alluvium, colluvium and aeolian sand. The latter forms a few dunes in the north-east part of the licence. The area forms part of an old land surface in an advanced stage of planation known as the Tennant Creek surface (Hays, 1967).

4. EXPLORATION COMPLETED

All relevant open file, geological, geophysical and historical data for the region has been obtained. This data included the regional airborne magnetic survey compiled by the Northern Territory Geological Survey for the Davidson 1:100,000 sheet. The remainder of EL 5419 was covered by an airborne magnetic survey.

Colour aerial photography at 1:50,000 scale was flown by Airesearch Mapping and these photographs were used to interpret relevant landforms, outcrop extent, drainage, lineaments, etc to assist in target selection for initial exploration sampling.

Landsat images at 1:250,000 scale and black and white NASA photography covering The Granites - Tanami region were purchased and used to assist in target selection.

During Year 2 of the licence, as part of an overall sampling programme, one (1) laterite and two (2) rock chip samples were collected from the relinquished area. Sample locations are shown on Figure 2 and sample descriptions and results are at Appendices I and II.

Following evaluation of the sample results no further ground work was undertaken on the relinquished area.

FIGURE 1

EL 5419 - BLOCKS RELINQUISHED 1:250,000 SCALE

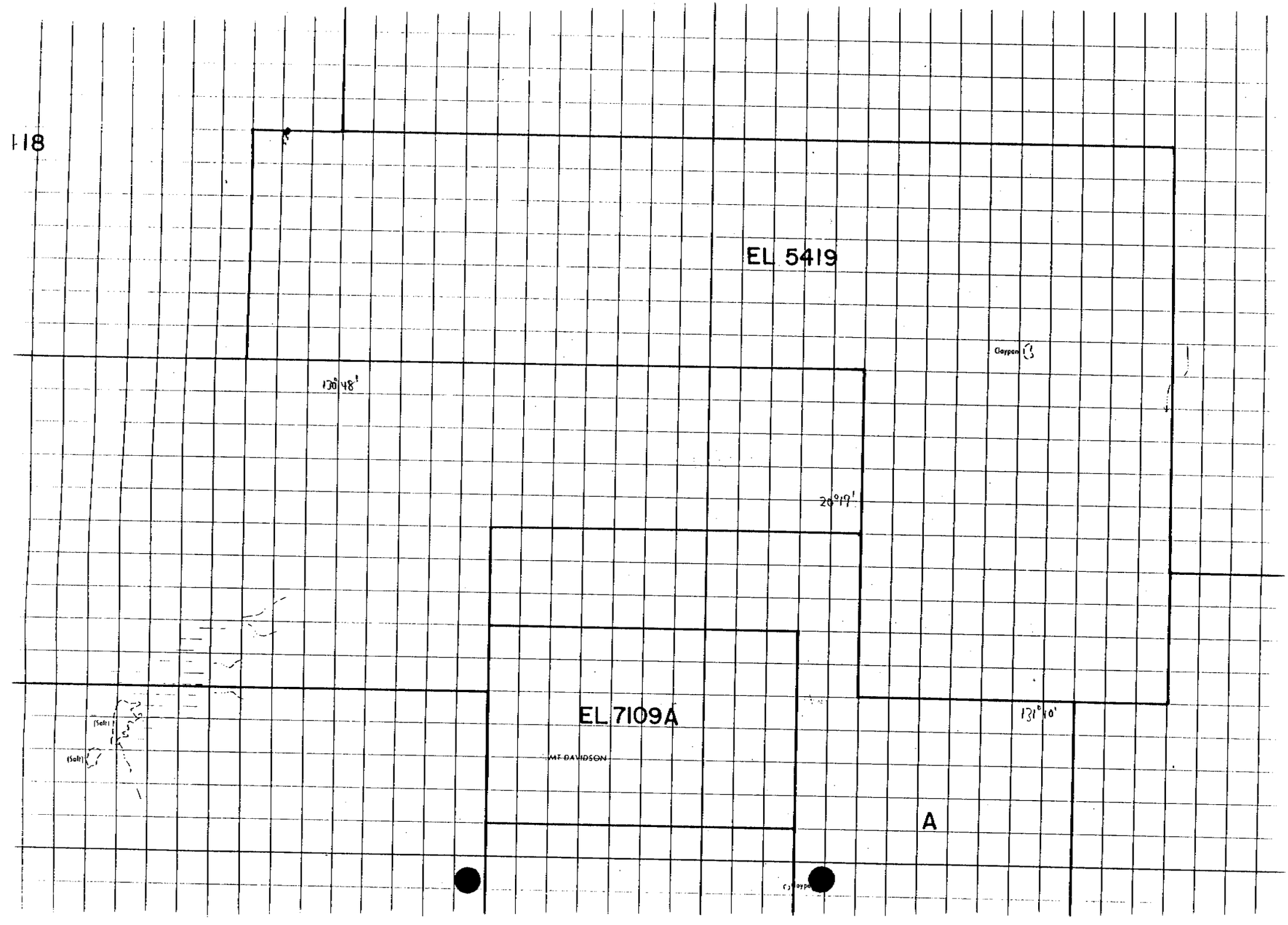
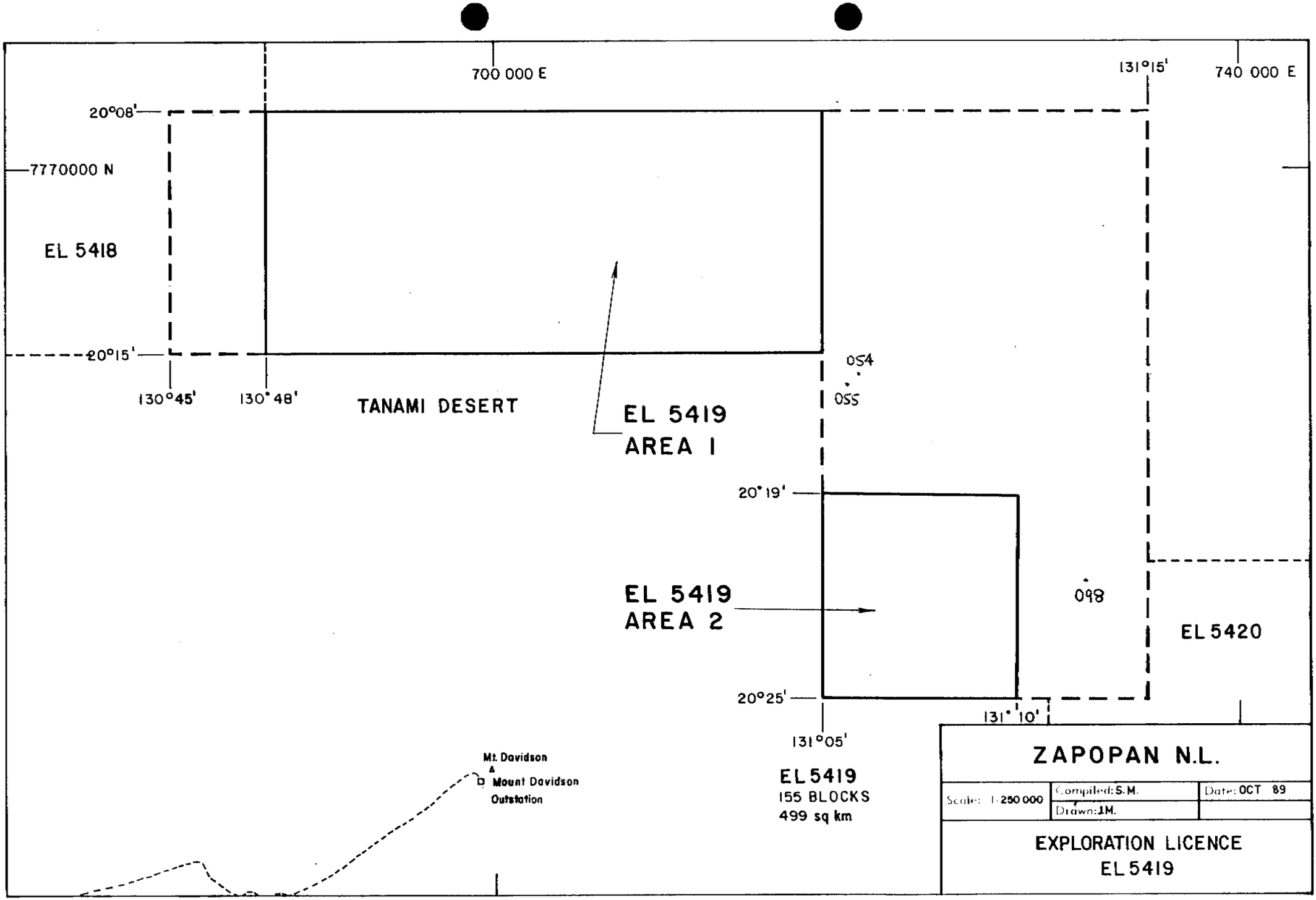

118
EL 5419
Claypan
130°48'
20°19'
131°10'
EL 7109A
MT DAVIDSON
(Salt)
(Salt)
A

FIGURE 2

SAMPLE LOCATIONS


700 000 E
131°15'
740 000 E
20°08'
7770000 N
EL 5418
20°15'
130°45'
130°48'
TANAMI DESERT
EL 5419
AREA 1
054
055
20°19'
EL 5419
AREA 2
098
EL 5420
20°25'
131°10'
131°05'
Mt. Davidson
Mount Davidson
Outstation
EL 5419
155 BLOCKS
499 sq km
ZAPOPAN N.L.
Scale: 1:250 000
Compiled: S.M.
Date: OCT 89
Drawn: J.M.
EXPLORATION LICENCE
EL 5419

APPENDIX I

SAMPLE DESCRIPTIONS

TENEMENT NO: EL 5419

Sample Number	Type	Run No./Photo No.	Coordinates	Description	Comments
80054	LAT	7/093	7757199N/720057E	laterite ferruginous quartzite	
80055	RC	7/093, 8/106	7756130N/719610E	ferruginous quartzite	
80098	RC	6/067	7747700N/732200E	green-brown weathered quartz mica schist	

Our Ref: SAMPLE.SHT

APPENDIX II

SAMPLE RESULTS

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.16.21.04530	04/10/90	DN 50387	3 OF 16

TUBE No.	SAMPLE No.	Sc	Cr	Fe	Co	Ni	Cu	Zn	Zn	As
1										
2										
3	80054	10.0	320	34.10	8	10	20	6	<100	37
4	80055	10.0	170	33.80	3	5	32	10	<100	12
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	80098	11.5	170	4.10	12	20	24	78	100	9
24										
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.16.21.04530	04/10/90	DN 50387	7 OF 16

TUBE No.	SAMPLE No.	Se	Br	Rb	Mo	Ag	Sb	Cs	Ba	La
1										
2										
3	80054	<5	<2	84	14	<5	0.9	<1	120	4.6
4	80055	<5	2	91	<5	<5	<0.5	<1	150	12.0
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	80098	<5	<2	230	<5	<5	<0.2	27	740	45.0
24										
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.16.21.04530	04/10/90	DN 50387	11 OF 16

TUBE No.	SAMPLE No.	Ce	Sm	Eu	Yb	Lu	Hf	Ta	W	Ir
1										
2										
3	80054	11	1.6	<0.5	2.1	0.3	8	2	4	<20
4	80055	10	1.3	<0.5	0.7	<0.2	3	<1	<2	<20
5										
7										
8										
9										
10										
11										
12										
13										
14										
16										
17										
18										
19										
20										
21										
22										
23	80098	88	7.1	1.1	2.5	0.4	6	2	6	<20
24										
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	999.16.21.04530	04/10/90	DN 50387	15 OF 16

TUBE No.	SAMPLE No.	Au	Pb	Th	U					
1										
2										
3	80054	<5	25	53.9	4					
4	80055	<5	20	32.0	<2					
5										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	80098	<5	15	19.0	4					
24										
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
--- = element not determined

AUTHORISED OFFICER