

**ANNUAL REPORT FOR YEAR ONE
EXPLORATION LICENCES
6008 AND 6009**

13 MAY 1988 TO 12 MAY 1989

FOR

M J KIDD

BY

**SUSAN H HICKEY
BSc(Hons)**

EUPENE EXPLORATION ENTERPRISES PTY LTD

EL6008 TANAMI SE52-15, Breaden 4859, Wilson Creek 4959
EL6009 THE GRANITES SF52-3, Inningarra 4856

June, 1989
Darwin, NT

OPEN FILE

CR89-430

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NORTHERN TERRITORY GEOLOGICAL SURVEY - GEOSYSTEM DATA SHEET

REPORT NO _____ SECURITY _____
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LICENCES 6008 AND 6009.

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ACCOMPANIMENT FIGURES
DRILL CORE ? _____
LICENCE NO. EL 6008, 6009
PROJECT YEAR(S) 1988 - 1989
LICENSEE(S) M J KINN
JOINT VENTURE(S) _____
OPERATOR(S) _____

Needs mother 'O' 000 000
1:100 000 SE 52 FALLS CK SE 52 LAKE WACKAY
1:250 000 SE 52 - 15 TANAMI SE 52 THE GRANITES
1:100 000 4859 KLEADON 4959 WILSONS CREEK
4856 INUNGAARA
1 50 000 _____
PROSPECT NAME(S) _____
SITE LOCATION LAT: _____ LONG: _____
TECTONIC UNIT THE GRANITES - TANAMI BLOCK
MAJOR TERM PETROLEUM GEOLOGY ☐ METALLIFEROUS MINERALS ☒
NONMETALLIFEROUS MINERALS ☐

MINOR TERMS

DRILLING

- ☐ DIAMOND
☐ PERCUSSION
☐ AUGER
☐ ROTARY

☐ GEOPHYSICS

AERIAL SURVEYS

- ☐ MAGNETIC
☐ RADIOACTIVITY
☐ EM SURVEYS
GROUND
☐ EM SURVEY METHOD
☐ IP SURVEY METHOD
☐ SEISMIC SURVEYS
☐ RESISTIVITY SVYS
☐ GEOPHYSICAL ANOM
☐ GRAVITY SURVEYS

☒ GEOCHEMISTRY

SAMPLING

- ☒ STREAM SEDIMENT
☒ SOIL
☒ ROCK CHIP
☐ WATER
☐ OTHER
☐ DRAINAGE TESTING
☐ DRILL CORE ANALYSIS
☐ ASSAYING
☐ GEOCHEMICAL ANOM

GENERAL

- ☐ GEOL MAPPING
☐ PHOTO GEOLOGY
☐ GRIDGING
☐ METHODS
☒ REGIONAL GEOLOGY
☐ LOCAL GEOLOGY
☐ STRATIGRAPHY
☒ RECONNAISSANCE
☐ LOGGING

NOTES Au, Pb, Zn, Cu, As, Barium, Bismuth Basin,
Supergiant Downs Sandstone, Nanyang Gash Creek Bed,
Anterior Plateau Volcanics, Early Proterozoic Cambrian,
Middle - Late Proterozoic, Midland Range Sandstone,

ABSTRACT Results from sampling are disappointing.
The southern half of EL 6008 needs detailed
mapping and sampling to determine its potential.

INDEXED BY/DATE SH 30/6/89 CHECKED BY/DATE _____

INTRODUCTION

The two licences which lie in the Tanami Desert were sampled for Au, Ag, Pb, Zn from rock chip and stream sediment localities (Figure 1).

Both licences contain limited outcrop and mostly insipient drainage channels. The initial sampling programme was carried out in haste due to the limited time available left in year one after an extended wet period over the Tanami region.

The philosophy behind the first year sampling programme was to undertake a regional sampling programme. Mr Kidd undertook this work himself with a field assistant. Eupene Exploration Enterprises Pty Ltd have been employed as consultants to complete the report for year one and undertake exploration for year two.

TENURE

Exploration Licence 6008 consists of 170 blocks, a total of 547.40sqkm and lies on the Supplejack pastoral lease on the Tanami 1:250 000 scale geological map sheet.

Exploration Licence 6009 consists of 12 blocks, a total of 38.64sqkm. It lies on the Tanami Downs pastoral lease on The Granites 1:250 000 scale geological map sheet.

Both licences were granted to Mr M J Kidd on 12 May 1988 for three years.

GEOLOGY

Access to EL6008 is via the Lajamanu road which runs north-south through the licence.

The geology of the licence is represented by the Birrindude Basin sediments in the north and The Granites - Tanami Block metasediments in the south. The northern half of the licence comprises Early Proterozoic sublithic arenite, quartzarenite minor shale and siltstone of the Supplejack Downs Sandstone. The southern half of the licence has limited outcrops of Archaean to Early Proterozoic greywacke, basalt, sublithic arenite, phyllite, shale and siltstone of the Tanami Complex Nanny Goat Creek Beds. Isolated outcrops of Cambrian Antrim Plateau Volcanics occur over most of the licence.

Access to EL6009 is via Rabbit Flat along the Tanami Downs track. The licence lies some 70km south of Rabbit Flat and the Murdoch Cliffs form a prominent hill feature in the licence.

The geology of the licence is represented by (?)Middle-Late Proterozoic Muriel Range Sandstone and Early Proterozoic The Granites Granite which outcrop as the Murdoch Cliffs in an east-west trending ridgeline.

The Muriel Range Sandstone consists of sublithic arenite, quartzarenite, minor siltstone, shale, conglomerate, arkose and breccia. The Granites Granite consists of a biotite adamellite with minor aplite and pegmatite.

WORK COMPLETED

Twenty-two rock chip and eleven stream sediment samples were taken from EL6008. Rock chips sample were taken from lithologies in the Antrim Plateau Volcanics and Nanny Goat Creek Beds, while stream sediment sample were taken from tributaries of the southeast flowing Birthday Creek (Figure 2).

Ten rock chip samples were taken from EL6009. Samples were chipped from the base of Murdoch Cliffs from west to east (Figure 3).

CONCLUSIONS

The assay results (Appendix A) are not encouraging, however due consideration of the hasty and inexperienced sampling programme that was carried out should be made prior to assessing the potential of the two licences.

Exploration in Year Two will concentrate on the southern portion of EL6008 as the geology there has not been studied in detail, nor sampled extensively. A more detailed sampling programme in conjunction with geological mapping will be carried out on EL6009.

EXPENDITURE

The expenditure incurred on EL6008 and EL6009 amounted to \$13205.50.

Supervision \$42/hour	\$ 840.00
Field Sampling, \$150/day	3150.00
Field Sampling, \$140/day	2940.00
Vehicle and Camping Expenses	3500.00
Assaying	1075.00
Report Compilation and Drafting	500.00
Sub-total	\$12005.00
Administration 10%	1200.50
Total	\$13205.50

The sub-total expenditure for each licence would be approximately \$9500.00 for EL6008 and \$3500.00 for EL6009.

WORK PROGRAMME AND EXPENDITURE FOR YEAR TWO

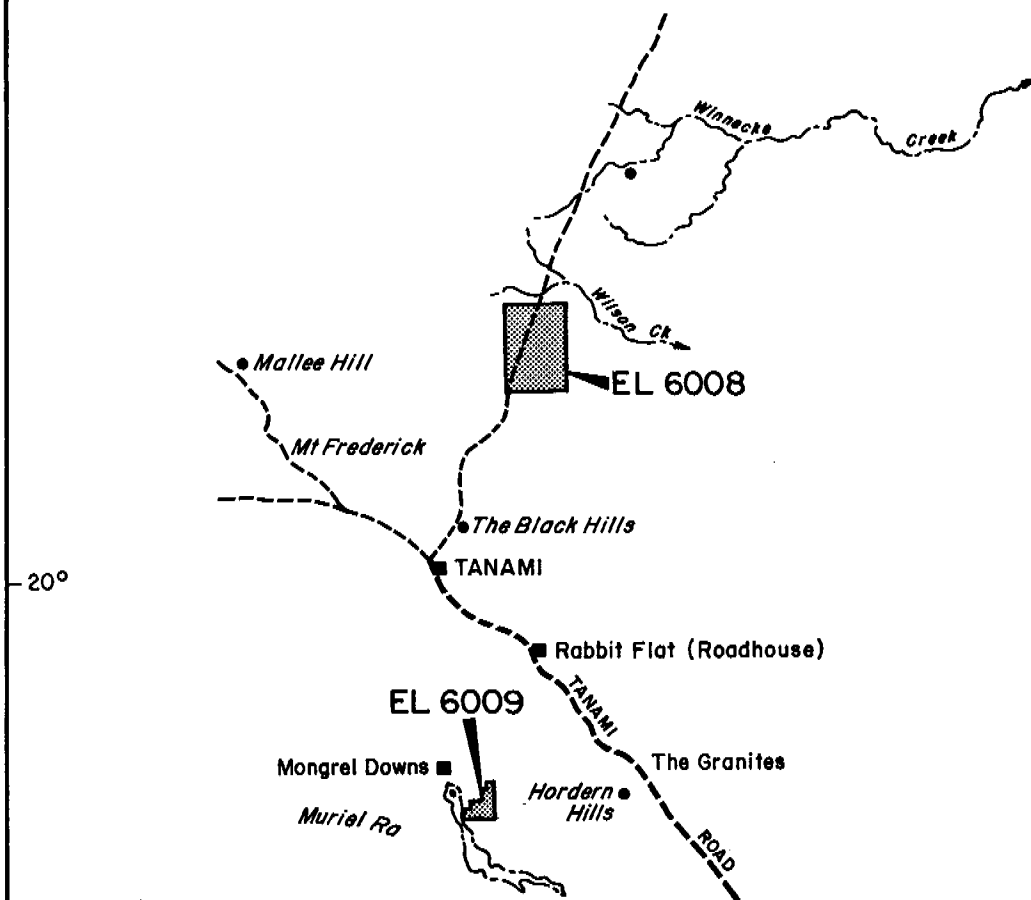
Both exploration licences will be explored as follows:

- a. Complete soil, rock chip and stream sediment sampling
- b. Undertake geological mapping
- c. Grid soil and rock chip sampling
- d. Undertake costean sampling if required

Expenditure for EL6008 is estimated at \$12 000.00, and for EL6009 at \$4,000.00. We have reduced expenditure on EL6009 from Mr. Kidd's estimate of \$7,000.00 due to the dissapointing results obtained from the exploration.

129°

132°



eupene exploration enterprises

Client: M.J. Kidd

Scale: 1:2500000

Compiled: S. Hickey

Date: June 1989

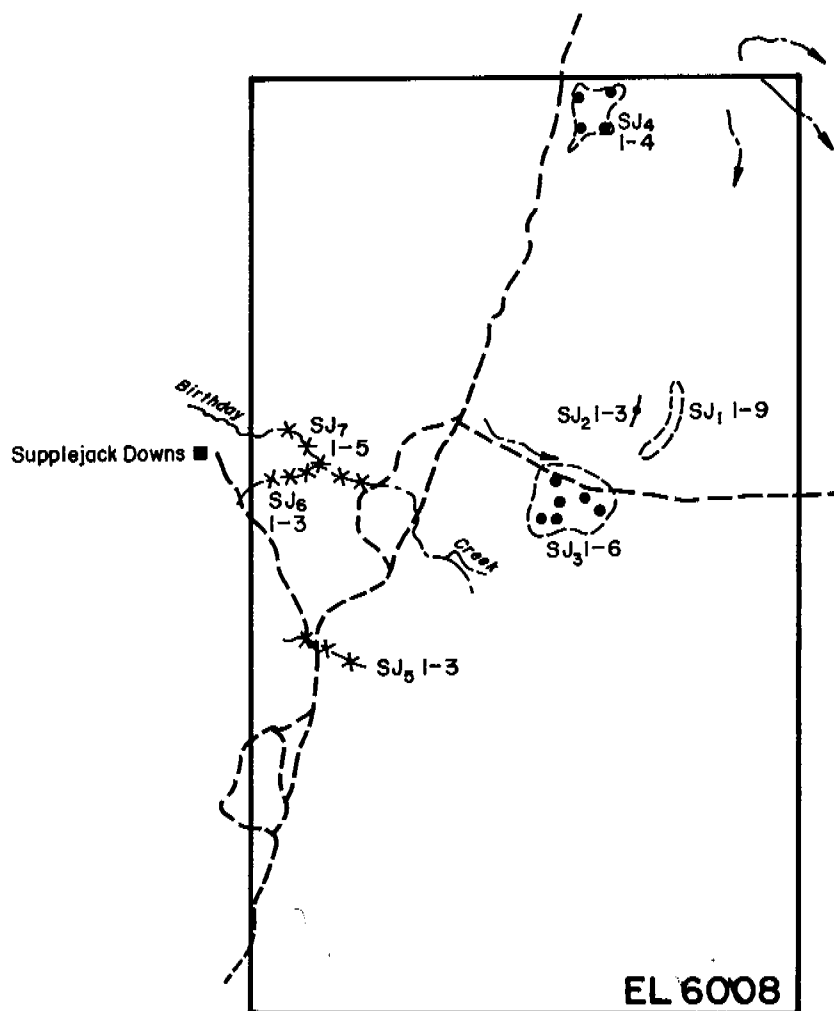
Drawn: C.S.D.S.

LOCATION MAP
EL 6008 and EL 6009

Figure 1

130°00'

19°15'



LEGEND

- X STREAM SEDIMENT SAMPLE
- ROCK CHIP SAMPLE



0 5 10 15 km

eupene exploration enterprises		
Client: M.J. Kidd		
Scale: 1:250 000	Compiled: S. Hickey	Date: June 1989
	Drawn: C.S.D.S.	

**SAMPLE LOCATIONS
EL 6008**

Figure 2

129°45'

■ Mongrel Downs

EL 6009

H₂O

MURDOCH
CLIFFS

20°45'

LEGEND

X STREAM SEDIMENT SAMPLE

0 1 2 3 4 5km



(((— eupene exploration enterprises

Client: M.J. Kidd

Scale: 1:100000

Compiled: S. Hickey

Date: June 1989

Drawn: C.S.D.S.

SAMPLE LOCATIONS
EL 6009

Figure 3

BY SUSAN HICKEY (B.Sc(Hons))

EUPENE EXPLORATION
ENTERPRISES PTY LTD

EXPLORATION LICENCES 6008 & 6009
ANNUAL REPORT FOR YEAR TWO
13 May 1988 to 12 May 1989

FOR
M. J. KIDD

APPENDIX A

ASSAY RESULTS



ANALABS

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

Division of Inchcape Inspection and Testing Services Pty Ltd

(089) 84 3849

Cnr Coonawarra & Mataram Rds, Winnellie

Fax: (089) 84 3984

ANALYTICAL REPORT No. 253.8.14.03505

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

INVOICE TO:

Mr M. KIDD
58 HOLROYD RD
MARYLANDS NSW

6417

EL 6008-6009

DATE RECEIVED

RESULTS REQUIRED

06/06/89

ASAF

No. OF PAGES
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19/06/89

1

TOTAL No.
OF SAMPLES

43

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

Various

RO Prep: 013,018

Au/334

Various

RO

Cu,Pb,Zn/102,As/140

REMARKS

RESULTS
TO

SUSAN H HICKEY
EUPENE EXPLORATION ENTERPRISES
4198 WOODS ST
DARWIN N.T. 0800

RESULTS
TO

RESULTS
TO

AUTHORISED OFFICER

ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

253.8.14.03505

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6417

1 OF 2

TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb	Au(R)		
1	SJ 1	12	36	<100	0.001	8	-	EL 6008	
2	SJ 2	13	36	<100	0.001	3	-		
3	SJ 3	17	31	<100	0.002	3	-		
4	SJ 4	14	26	<100	0.003	1	-		
5	SJ 5	8	31	<100	0.003	<1	-		
6	SJ 6	7	45	<100	0.005	<1	-		
7	SJ 7	9	46	<100	0.003	<1	-		
8	SJ 8	12	42	<100	0.005	2	-		
9	SJ 9	9	27	<100	<0.001	<1	-		
10	SJ2 1	6	25	<100	0.001	1	-		
11	SJ2 2	5	19	<100	<0.001	1	-		
12	SJ2 3	7	23	<100	<0.001	3	-		
13	SJ3 1	4	11	<100	<0.001	2	-		
14	SJ3 2	3	10	<100	<0.001	3	-		
15	SJ3 3	3	9	<100	0.001	2	-		
16	SJ3 4	3	9	<100	<0.001	2	-		
17	SJ3 5	3	9	<100	<0.001	2	-		
18	SJ3 6	2	10	<100	<0.001	3	-		
19	SJ4 1	17	24	<100	0.001	7	-		
20	SJ4 2	14	42	<100	<0.001	6	-		
21	SJ4 3	25	34	<100	0.001	9	-		
22	SJ4 4	29	61	<100	<0.001	9	-		
23	SJ5 1	34	36	<100	<0.001	28	-		
24	SJ5 2	26	31	<100	0.001	16	-		
25	SJ5 3	27	31	<100	0.001	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

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

253.8.14.03505

19/06/89

6417

2 OF 2

TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb	Au(R)		
1	SJ6 1	29	59	100	<0.001	21	-		
2	SJ6 2	21	59	<100	<0.001	10	0.001		
3	SJ6 3	25	43	<100	0.001	12	-		
4	SJ7 1	16	30	<100	0.001	12	-		
5	SJ7 2	17	34	100	<0.001	10	-		
6	SJ7 3	17	32	<100	<0.001	10	-		
7	SJ7 4	25	46	<100	<0.001	16	-		
8	SJ7 5	39	68	<100	<0.001	17	-		
9	H2 1	9	22	<100	<0.001	14	-	EL	6009
10	H2 2	9	27	<100	0.001	16	-		
11	H2 3	11	27	<100	<0.001	14	-		
12	H2 4	11	27	<100	0.001	17	<0.001		
13	H2 5	12	21	<100	<0.001	25	-		
14	H2 6	11	26	<100	<0.001	15	-		
15	H2 7	9	18	<100	0.001	13	-		
16	H2 8	7	16	<100	0.003	13	-		
17	H2 9	8	20	<100	<0.001	15	-		
18	H2 10	5	15	<100	0.001	15	-		
19									
20									
21									
22									
23	DETECTION	1	1	100	0.001	1	0.001		
24	UNITS	ppm	ppm	ppm	ppm	ppm	ppm		
25	METHOD	102	102	140	334	102	334		

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