EL 7119

ANNUAL REPORT

for

PERIOD ENDING 22 MARCH 1993

by

GRAZINA M MAINELIS
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1. **INTRODUCTION**

This is the first Annual Report for Exploration Licence 7119, covering the period 23.3.1992 to 22.3.93. The 19 block, 61 square kilometres EL is located some 40 km east north east of Adelaide River.

2. **TENEMENT STATUS**

The EL was applied for by Joseph Anthony COOKE, Marcella Isobella COOKE, John Anthony EARTHROWL, John James FARRELL and Grazina Marija MAINElis with 20% interest each. The period of tenure is 6 years with an expenditure covenant of $6 000 for the first year.

3. **LOCATION**

3.1 Cadastral

The EL falls within the Pastoral Lease No 718, Mount Ringwood Station. The then owners, Western Mining Corporation Ltd were duly advised of the application as required under the Mining Act.

3.2 Geographic

The 19 block EL is an irregular shape sited between latitude 13°03' to 13°09'S and longitude 131°18' to 131°24'E.

Access to the tenement is only possible during the dry season.

The road to Mt Ringwood homestead transects the EL and various other station tracks and fencelines give further access to the EL.

The topography of the tenement is undulating to hilly.

Fig. 1 shows the EL plotted on a 1:100.000 topographic map.

3.3 Geological

Geological mapping by BMR and NTS shows the tenement to be underlain by the Burrell Creek formation.
EL 7119 is situated within an area of known gold mineralization.

Western Mining's Goodall deposit is some 8.5 km from the EL's southern boundary.

The Great Western is 3.5 km from the southern boundary of the EL.

The Great Northern is 8 km north west from the southern boundary.

The Star of the North is 2 km from the southern boundary.

The Goodall mine is now closed. The other 3 gold bearing quartz deposits, The Star of the North, The Great Northern and The Great Western which had been mined at the turn of the century are currently being reassessed, especially as alluvial gold sources.

4. PREVIOUS EXPLORATION

4.1 By Government

Original geographical mapping of the area was at 1"=1 mile, which is now superseded by the 1:100,000 "Geology of Batchelor - Hayes Creek" sheet.

4.2 By Other Companies

Limited systematic exploration was done in this region prior to the Goodall discovery. Since then exploration has been carried out on or near EL 7119 by the following companies.

EL 6630 Dominion Mining
EL 5011 Zapopan
EL 5456 Zapopan
EL 5298 Oceania Exploration
EL 5315 Oceania Exploration
EL 5318 WR Grace
EL 5321 WR Grace
MLN 1049 Western Mining Corporation

All companies targeted gold bearing quartz within the Burrell Creek Formation. No significant discoveries have been reported.
5. **EXPLORATION PROGRAM**

The tenement was acquired to test for a strike continuation of gold mineralisation from the Goodall and Star of the North in the western portion of the EL, as well as the Great Northern and Great Western.

The first year program was to reconnoitre the EL to check for quartz outcrops and gold associated mineralisation.

6. **METHODS AND WORK COMPLETED**

Library research was undertaken at the Department of Mines and Energy where Open Files reports of previous exploration were checked. This led to targeting specific areas of interest.

Field trips were initiated in June 1992 and continued throughout the Dry Season.

Initial trips were to reconnoitre the EL and they ranged over the whole EL.

During an extended field trip in July a long disused track was found which transected the eastern portion of EL 7119. This track was subsequently used to further explore this section of the EL.

Both vehicle and foot traverses were undertaken during exploration.

- **Area A** - vehicle transverse - no outcrops found in the area, - flat country.

- **Area B** - foot transverse - a major quartz outcrop extending approximately one kilometre in length.

- **Area C** - vehicle transect - no outcrops found, some scattered quartz around the waterways - flat country.

- **Area D** - vehicle and foot traverses - scattered quartz on low ridges but no major outcrops showing.
Area E - foot traverse - a crater-like circular ridge formation some ¼ to ½ kilometre in diameter - minor outcropping on the ridge - composite sample showed traces of gold (sample 7119 HIN 0.03 ppm)

Area F - foot traverse - along both banks of Howley Creek - some quartz outcropping and scattered quartz on eastern side of the creek - composite sample showed traces of gold (sample 7119 JIM 3.9 Hill N-1 0.05 ppm)

Area G - vehicle traverse - no major outcrops, flat country, swampy in places.

7. RESULTS AND CONCLUSIONS

There is at least one major quartz outcrop on the EL area B. Assay results look hopeful and further work is justified in the area.

8. RECOMMENDATIONS

Trenching at area B to determine the quality and quantity of the quartz outcrop.

A program of bulk sampling in area B.

Auger drilling program at site E and F.

Further systematic exploration on remaining areas to either upgrade or downgrade their potential for future inclusion in the work program.

9. YEAR 1 EXPENDITURE EL 7119

The expenditure incurred in Year 1 is as follows:

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NORTHERN TERRITORY OF AUSTRALIA

MINING ACT

EXPLORATION LICENCE

EL No. 7119

Marcella Cooke, Joseph Cooke, John Earthrowl, Grazina Mainellis and John Farrell as tenants in common as to equal shares are hereby licensed, for a period of six (6) years from the date hereof, to explore in accordance with the provisions of the Mining Act, the regulations thereunder and the terms and conditions specified in the First Schedule, all the area of land delineated in the Second Schedule excluding therefrom all land vested in the Commonwealth and all radio repeater sites held by the Australian Telecommunications Commission.

C P SMITH
Principal Registrar
as Delegate of the Minister for Mines and Energy

DATE: 23/3/92

FIRST SCHEDULE

1. The licensees shall ensure that a minimum amount of $6,000 is expended in carrying out exploration on the licence area during year one (1) of the licence.

2. The licensees shall comply with the provisions of and directions lawfully given under this Act and all other laws in force in the Territory as are applicable to his activities on the licence area.

3. Not later than one (1) month after the expiration of each 12 month period of this licence, the holder shall submit in writing a statement specifying the details of the exploration programme reflecting expenditure for the next year of the licence.

19 BLOCKS

61 sq kms
SECOND SCHEDULE
(Plan of Area)

EL7119
19 BLOCKS
61 sq kms
ANALABS
A Division of Inchcape Inspection and Testing Services, Australia, Pty. Ltd.

Phone (089)472355
Chc Coonawarra & Mataram St Winnellie NT
Fax (089)843984

ANALYTICAL REPORT No. 103300.21.07157

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

INVOICE TO:
Mr J Cooke
COOKES TOURS
PO Box 40
Batchelor NT 0845

ORDER No. PROJECT
57664

DATE RECEIVED RESULTS REQUIRED
20/09/92 ASAP

No. OF PAGES OF RESULTS DATE REPORTED No. OF COPIES TOTAL No. OF SAMPLES
2 22/09/92 1 31

SAMPLE NUMBERS SAMPLE DESCRIPTION ELEMENT/METHOD
KJ 7676 & others RO Prep : A,c,Au(R)/GB129

REMARKS

RESULTS TO
Mr J Cooke
COOKES TOURS
PO Box 40
Batchelor NT 0845

RESULTS TO

RESULTS TO

AUTHORISED OFFICER

/Signature/
## ANALYTICAL DATA

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*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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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: Wayne S. Turner
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