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No. 11,507

EL 3417

MARREE

ANNUAL REPORT TO LICENCE EXPIRY/SURRENDER FOR THE PERIOD 16/9/2005 TO 15/9/2006

Submitted by
Menzel Family Trust
2007

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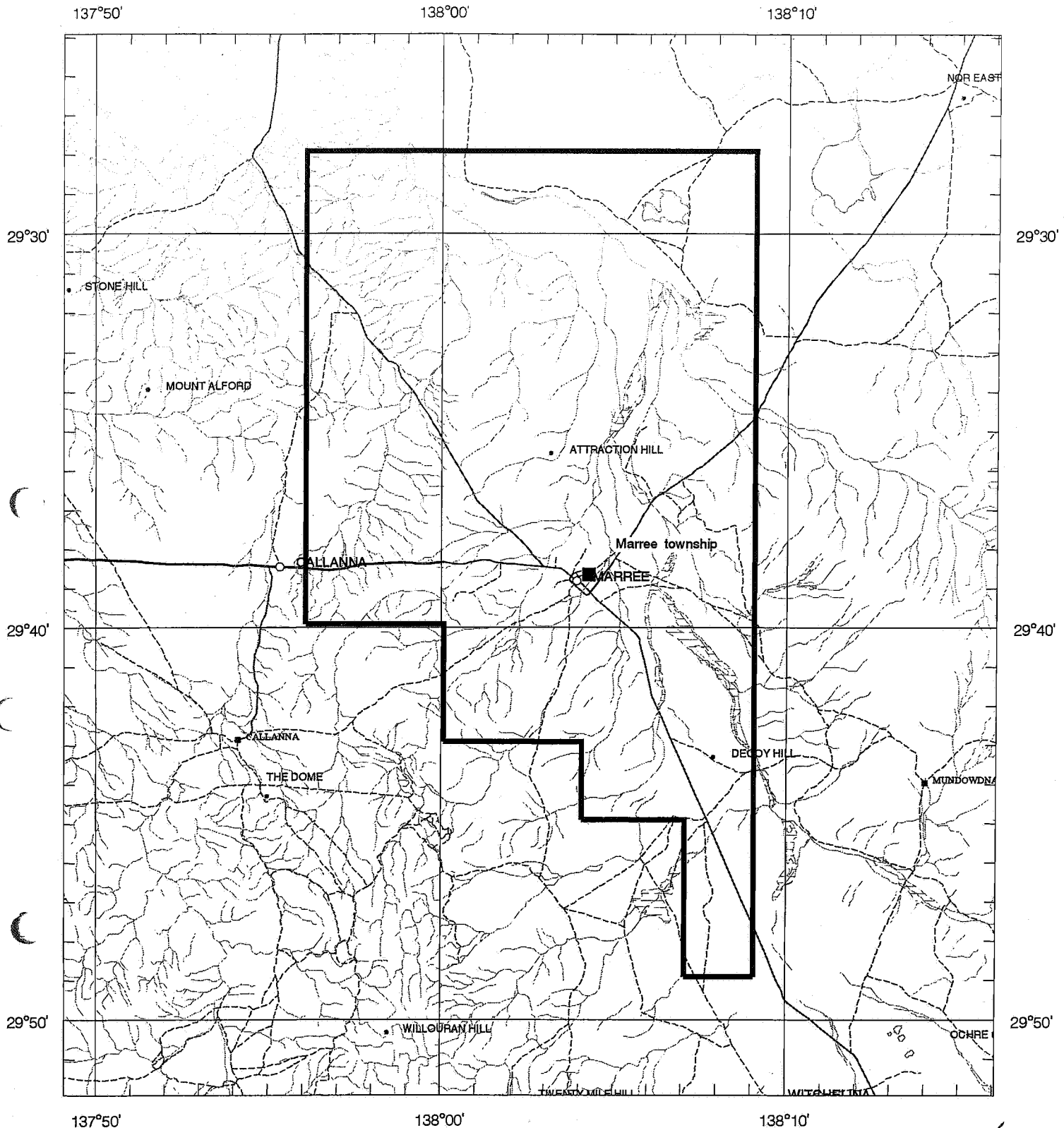
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7th Floor
101 Grenfell Street, Adelaide 5000

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Facsimile: (08) 8204 1880



Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SCALE 1:250 000
 KILOMETRES 5 0 5 10 15 20 25 KILOMETRES
 LICENCE GRANTED IN : DATUM AGD66

EXPIRED



APPLICANT : **MENZEL B, BLACKFIRE RESOURCES PTY LTD, O'MEARA D W**

FILE REF : **277/04**

TYPE : **MINERAL ONLY**

AREA : **600 km² (approx.)**

1:250000 MAPSHEETS : **CURDIMURKA MARREE**

LOCALITY : **MARREE AREA**

DATE GRANTED : **16-Sep-2005**

DATE EXPIRED : **15-Sep-2006**

EL NO : **3417**

**ANNUAL TECHNICAL REPORT ON EL 3417
(MAREE) FOR PERIOD
15/9/2005 to 15/9/2006**

by Joanne Fryar (Geologist)

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Summary of all Activities conducted

Geological and geophysical research, field trips, sampling, assaying, native title clearance attempted.

Maps Used Maree, Curdimurka

Keywords : Maree, Curdimurka, Gold, Alluvial gold, Neo-proterozoic..

Introduction

This report by Joanne Fryar (Geologist) is done on behalf of other explorers. The original data has been difficult to obtain and samples have only been able to be matched to locations in a general way as exact GPS coordinates have been lost. However the writer was able to obtain photographs of two of the rock-types referred to in the report.

EL 3147 first registered as ELA 277/04 in part name of T Scholz (see Schedule). T Scholz was registered on this EL together with Carbotech 2000 P/L, Dennis O'Meara (EL3147 was the middle one of three ELs which T Scholz or his company Oolanta P/L held together with Carbotech 2000 P/L. The other two ELs were on either side of this EL and were numbered..276/04 and 191/04 respectively).

Mainly exploring for gold. Samples collected and assayed.

HISTORY

1. Mr Scholz and two uncles worked in this area and they told him about flat lying sulphides within it.
2. Two field trips were carried out by T Sholz and Sen. Geologist Bruce Menzel, prior to and after the ELA was acquired. The explorers were looking for gold in the main. Samples were taken, and one assay of 15.4 ppm was obtained in the region of Goolong Spring Bore in Calcrete. Assaying was performed by Potifex in Adelaide. (see Geochem section below).
3. After the EL was granted, three pastoralists were contacted for entry, namely Peter Litchfield (S and E of Maree), Shane Oldfield (at Clayton) and Mr Mitchell (Stuart Creek Station).
4. During the second and third field trips, the aboriginal situation in the region was explored in order to gain native title clearance to some sections of the EL. Three different aboriginal groups were claiming the area, but none would do a clearance and they did not want explorers on the land N and W of Maree.
5. Senior geologist was disappointed about inability to obtain clearance and took another job overseas. Though the EL was granted Mr Scholz did not hear of it. The notice may have gone to the senior geologist (who did not receive due to being overseas). The EL expired before further work could be done.

Geology

NE to SW across SW corner of EL are the areas of oldest sediments of the Neo-Proterozoic these grade into a basin to the NE infilled with a large range of younger sediments ranging from Jurassic-Cretaceous through to Tertiary, Pleistocene and Quaternary.

The oldest sediments on surface in the area E of Maree (where the high alluvial gold assay was found), is Tertiary silcrete (Ta on the map). (No volcanics are mapped). The closest source rock is therefore probably in the NeoProterozoic underlay, the closest part of which is the Mount Curtis Tillite (Nec) which outcrops a little further south, striking in a SE-NW direction towards Maree. This is the most likely source of the alluvial gold. Water channels in this area roughly parallel the edge of the NeoProterozoic (where it becomes to be covered by Tertiary and Quaternary sediments. The water channels flow NE passing just south of the region where the gold assay was located and flowing north of Maree.

To the NE the region extends into the Cooper Basin most famous for oil research and findings.

Geophysics

Bruce Menzel researched the geophysics before applying for the EL, but this interpretive work has since been lost.

Remote Sensing

None

Surface Geochemistry

No maps or GPS coordinates remain to show exact locations of samples referenced in Mr Scholz's papers.

- A number of samples were assayed for Gold, but only one was located inside this EL area. That sample assayed within this area was described as being - "Major VQ and haematite and sheared gneiss" and having 15.4 ppm Au. According to Mr Scholz this was collected from the Goolong Spring Bore *region (see location identified on map attached)*.
- Alluvial gold was also located SW of Maree and south of Calltana. This does not appear to have been assayed. (*A photograph of this sample is included with the electronic copy of this file*).
- Various sulphide rocks were also located in alluvials NE of Maree towards Lake Marion and E of it. It has been suggested that these may derive from volcanic rocks somewhere in region (though not seen on maps, and the geophysical interpretations carried out prior to sampling have not been located) (*a photograph thought to be of on such sample is given in the electronic copy of this file*).

Drilling

Nothing

Other studies or Work

NIL

Environment

Harsh, dry. Pastoralists battling to survive.

Reporting on Ore Reserves and Resources

NIL.

Expenditure Statement

See summary report for period attached.

Disclaimer

Information has been scattered and some lost. The writer has done her best to piece match the information together, and takes no responsibility for any mismatch that may have occurred between samples referred to by Mr Scholz and photographs taken nor for the lack of detail as to locations.

Conclusions

In the south of the EL more adjacent to the Adalaidian rocks of the Geosyncline there were two general locations where gold was found.

1. Alluvial gold SW of Maree, and South of Caltanna.
2. One haematite sheared gneiss sample from the Goolong Spring Bore region East of Maree which assayed at 15.4 ppm, also indicated presence of hard-rock sources in the area.

No GPS coordinate records remain for either sample. A photograph exists of the former.

Problems compounded for the explorers due to inability to obtain native title clearance and access to north and western areas of the EL...

References (non mining division)

Stratigraphy and tectonics across the Torrens Hinge Zone between Andamooka and Maree South Australia PHD Thesis University of Adelaide. –
[Jgs.lyellcollection.org/cgi/journal/webby.html](http://jgs.lyellcollection.org/cgi/journal/webby.html).

The origin of overpressure in old sedimentary basins:and example from the Cooper Basin P Van Ruth, R Hilis, P Tingate and Re Swarbrick National Center for Petroleum Geology and Geophysics, University of Adelaide SA 5005 Australia. Department of Geolofcial Sciences University of Durham, South Road Durham DH13LE, UK.

Geoscience Australia – The Microscopic examination of bore samples from Maree, South Australia.

Geoscience Australia – Stratigraphy of Maree Subgroup. Neales River Group. (but written to explore petroleum potential).

PDF of Expedition two of interdisciplinary Mars Analog research team. Expedition from Maree north towards lake Eyre. Discusses geological sheets and cretaceous sediments in area etc. located on Marssociety.org/Canada/expedition. OR Mars.org/papers/CSA two summary reports pdf.

Appendices/ Attachments.

1. Schedule of prior File Ref 277/04 to this EL.
2. Summary Report (Expenditure) six months ending 15/9/06.
3. Map of area (centered on Maree) showing general area in which Au samples are located.
4. A photograph of the alluvium containing gold of Calltana SW of Maree, and
5. A photograph of sulphides in alluvium NW of Mare. E of Lake Marion

Maps, Plans, Images and Cross Sections

X 2 Photographs of rocks – 1. alluvial gold 2 ? Sulphides in alluvium

Maree 1:25,000 Mapsheet ; Curdimurka 1:250.000 Mapsheet

Geophysical coverage of the the Australian.. Maree Map sheet. On [www.](http://www.publish.cisiro.au/)

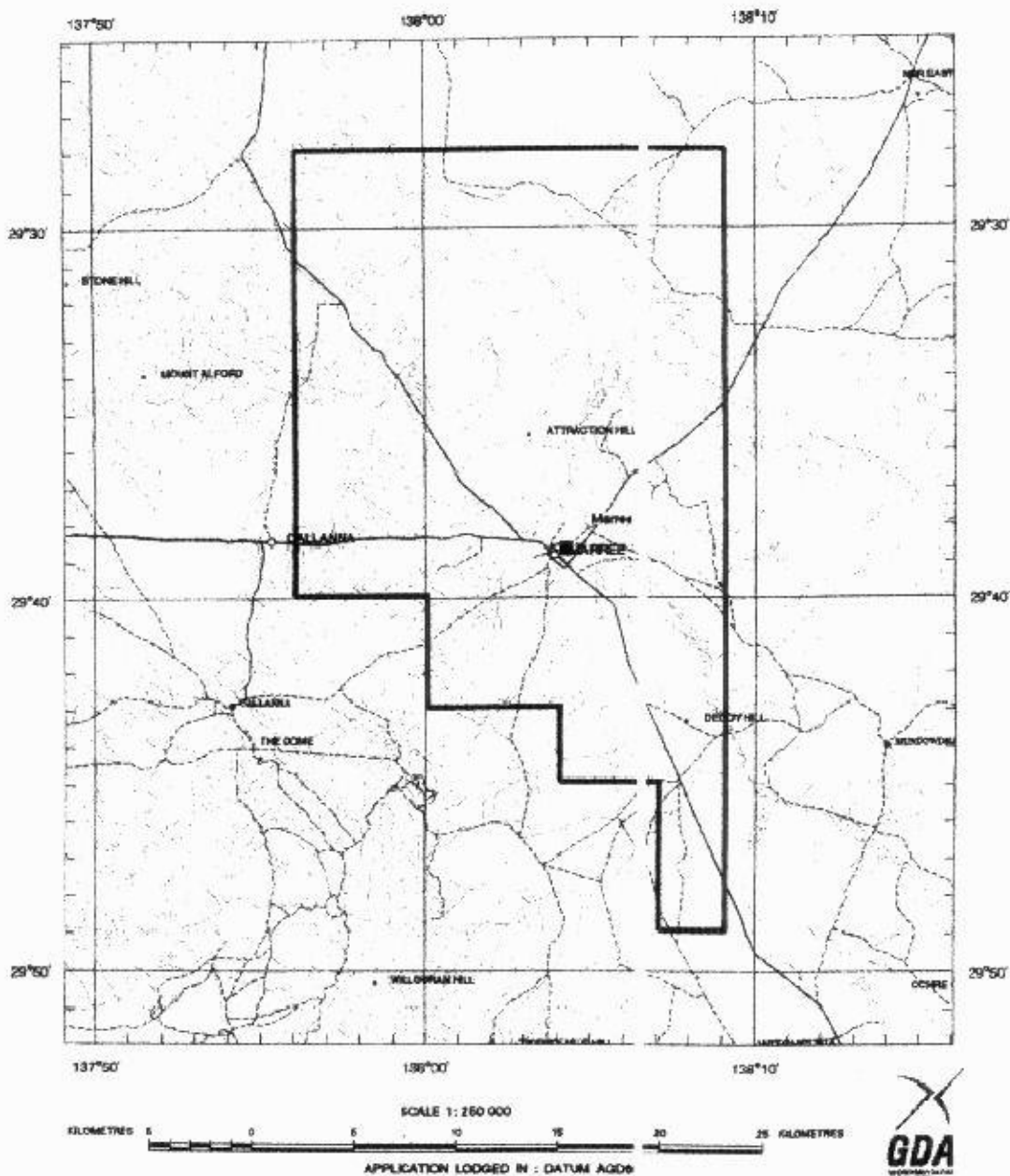
Publish.cisiro.au/ site

SA Mining division Radiometrics data .

Figure 8

Marree Polymetallic Area 3

SCHEDULE ...



APPLICANT : CARBOTECH 2000 PTY LTD, SCHOLZ T G O'MEARA D W

FILE REF : 277/04

TYPE : MINERAL ONLY

AREA : 600 km² (approx.)

1:250000 MAPSHEETS : CURDIMURKA MARREE

LOCALITY : MARREE AREA

DATE GRANTED

DATE EXPIRED

EL No.



PRIMARY INDUSTRIES AND RESOURCES SA

Office of Minerals and Energy Resources SA

SUMMARY REPORT ON MINERAL EXPLORATION

(Separate form for each licence)

| | | |
|--------------------------------|--|----------------------------------|
| Exploration Licence No: | | EL 3417 (Maree) (prev 277/04) |
| For Six Months Ending: | 15/3/2006 | Operator/Manager: |
| | | Carbotech2000PL,Scholz T,O'Meara |
| Mineral(s) Sought: | Au, Ag (and other precious and semi-precious minerals and metals). | Prepared by: |
| | | Joanne Fryar (JF) |
| | | Date: |
| | | 20 June 2007 |
| | | Phone No: |
| | | 0429693001 (JF):86802120 (Bf) |
| | | Fax No: |
| | | 82713728 (JF); 86802120 (Bf) |

SUMMARY OF OPERATIONS

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

Sen Geo;Co exec: Other

- | | |
|--|-------------------------|
| 1. x 2 field trips sen. geo and company exec 10 days each trip. | \$8,000 \$4,000 \$3,500 |
| 2. Ready for drill program but Unable to obtain Native Title Clearance due to indecision in NT situation.Paid \$6,000 to people who said NT claimants, but no report obtained. | \$1,500 |
| 3. Cost of administration followed by relinquishment of EL | \$1,500 |

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

EXPENDITURE

| | | |
|---------------------------------------|----|--------|
| Expenditure for Period: | \$ | 18,500 |
| (Add detailed statement) | | |
| Total Expenditure for Licence: | \$ | |

NATMAP RASTER VIEWER
250K MOSAIC

Map Name: MARREE ED3 - 1998
Sheet Number: SH54-05
Top Left: 29.4353 deg S, 137.8825 deg E
6740327m North, 779633m East
Zone 53
Bottom Right: 29.6608 deg S, 138.2544 deg E
6715649m North, 234246m East
Zone 54
Datum: Geodetic: GDA94
Grid: MGA94

SOOLONG SPRINGS BURE.

APR 24 1964

ONE SAMPLE ASSAYED

15.4 ppm Au.

