Annual Technical Report
EL 29280 (“Woolgathering”)

Year 1 (2012-2013)

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Date: 4 October 2013
Tenement Holders: Gempart NT Pty Ltd 100%
Tenement: EL29280 “Woolgathering”
Reporting Period: 13 August 2012 – 12 August 2013 (Year 1)
Distribution: Gempart NT Pty Ltd (1)
Core Exploration Ltd (1)
Geoscience.Info (Dept Resources - Minerals & Energy, 1)
Map Sheet: Alice Springs 1:250,000 sheet (SF5314)
Riddoch 1:100,000 sheet (5851),
Target Commodity: Copper
Keywords: Rock chips, field visit, literature review, Iron oxide copper-gold
Copyright Statement

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1.0 Summary

EL29280 “Woolgathering” is located about 100 km north-east of Alice Springs. Access into the area is reasonable, via the Stuart Highway and Plenty Highway to Mt Riddock Station and then by station tracks. During the reporting period Core Exploration undertook a comprehensive review of historical exploration data and reconnaissance field trip of the area. Core believes that further mapping and rock chip sampling is warranted to properly evaluate the prospects.

2.0 Introduction

This report covers the first year of exploration conducted at EL29280 “Woolgathering”. The tenement is owned by Gempart NT Pty Ltd. Core Exploration (DBL Blues Pty Ltd) is currently exploring the tenement under a joint venture agreement. The tenement is located 110 kilometres north-east of Alice Springs midway between the Harts Range and Hale River. Travel time is just under 3 hours from the township (Figure 2.1) via the Stuart Highway and Plenty Highway to Mt Riddock Station and then by station tracks.

Access within the tenement is limited; the general area is hilly with only a few vehicle tracks available. Due to seasonal rains, much of the area is overgrown inhibiting detailed ground ???. The rivers are prone to flooding during heavy rainfalls over the summer. Accommodation can be found at Ambalindum (1 hour drive). The climate is typical of central Australia, hot summers and mild winters.
3.0 Geology and Mineralisation

EL 29280 is located in the Proterozoic Aileron Province of the Central Arunta Region. The rocks here mostly comprise variably metamorphosed sediments, volcanics, calcsilicates, amphibolites and granite. The dominant structures appear to trend NW. Detailed geology is covered by Murrell (1989) and Zhao & Cooper (1992).

The area is underlain by the Palaeoproterozoic Strangways Metamorphic Complex and Irindina Gneisses which forms part of the Aileron Province. The south-eastern part of the area is underlain by Cadney Metamorphics, a sequence of calcsilicates, marble and gneisses. Core is particularly interested in the main north-westerly structural trend separating the Caney Metamorphics to the south-east from the Irindina Genisses to the north-east. This structural zone appears to be a major geological boundary which Core believes may be prospective for Iron oxide copper-gold (IOCG) mineralisation. The company is also interested in extensions of the geology that hosts the Oonagalabi base metal deposit to the north-east of the tenement and potential extensions into EL29280.

Figure 3.1 Extract from Alice Springs 1:250,000 Geology
4.0 Tenure

EL29280 was granted on the 13\textsuperscript{th} August 2012. The tenement lies on pastoral leases PPL1124 (Ambalindum Station) and PPL 989 (Mt Riddock). Tenure details are shown below. In October 2012 a joint venture was entered into with Core Exploration Ltd. The agreement covers a number of leases in the Arltunga area, which included EL29280. Core has the right to earn at least 51% over 2 years.

<table>
<thead>
<tr>
<th>Tenement</th>
<th>Owner</th>
<th>Date Granted</th>
<th>Tenure</th>
<th>Size</th>
<th>Rent Yr 1</th>
<th>Expenditure Commitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>EL 29280</td>
<td>Gempart NT Pty Ltd 100%</td>
<td>13/8/2012</td>
<td>6 Years</td>
<td>100 sq. blocks</td>
<td>$3200</td>
<td>$31,000</td>
</tr>
</tbody>
</table>

Table 4.1 Tenure Details for Year 1

5.0 Year 1 Work Summary & Discussion

Exploration Review

Core Exploration undertook a thorough review of historical exploration work on the Woolgathering tenement. A summary of the work is as follows:

The earliest modern exploration in the area was conducted on EL346 by Russgar Minerals NL during the early 1970’s. The work included geological mapping and extensive rock chip sampling for base metals and gold. The majority of the work was concentrated on the Oonagalabi prospect which had been discovered in the 1930’s.

Kinex held EL1337 over the area between 1977 and 1983. Geopeko, Amoco Minerals and Pan D’Or Mining farmed into the tenement at various times. Most of the work was concentrated on the Oonagalabi prospect where geophysical surveys and drilling were carried out.

White Industries and BHP Minerals jointly explored EL 2648 between 1981 and 1984 primarily for diamond. Stream sediment samples were collected and the silt fraction was analysed for base metals. No significant anomalous values were found.

Astron Resources carried out a heavy mineral survey over EL4462. The aim of the survey was to determine if gold or gahnite (zinc spinel) were present in the stream sediments. Gahnite was found in a number of the samples and may indicate the presence of Oonagalabi style mineralisation. No further work was done.

Clarence River Finance Group held the ground under EL 6940 and EL 9420 from 1990 to 2000. They are also the current holders of the mining lease over the Oonagalabi prospect. Exploration was mainly conducted for industrial minerals (garnet). Some minor exploration work was done on the Oonagalabi prospect.

Tanami Gold explored the area under EL10078 and EL22917 between 2001 and 2006. Soil and rock chip sampling, RAB drilling and a hyperspectral airborne survey (Hymap) were completed. Unfortunately these ELs were part of a project group for a number of years and the group annual reports were not included in the compilation. Work was completed at the Virginia Prospect which was described as “a stratiform copper horizon over 1 km strike hosted by a 3-5 m thick leucocratic garnet gneiss band within mafic gneisses” of the Riddoch Amphibolite. Rock chip sampling of the malachite stained rocks returned values in the 1-5% Cu range. Soil sampling showed a strong copper anomaly extending along strike from the main prospect. The prospect does not appear to have been drilled. The CSIRO undertook some investigations of the Oonagalabi prospect in 2004, and showed that the
mineralisation had a distinct geochemical signature – Au-Bi-Cd-Cu-Pb-Sn-W-Zn.

Most of the previous exploration work conducted in this area has been concentrated on the Oonagalabi Prospect. The mineralisation at Oonagalabi is stratabound in a distinct package of rocks which trends SW into Core’s EL 29280. Primary mineralisation consists of chalcopyrite and sphalerite patches, disseminations and veinlets in calc-silicate rocks, minor pyrrhotite, pyrite and galena are also found. The mineralisation is thought to have either a syngenetic volcanogenic or epigenetic origin. Soil sampling should identify any outcropping zones of mineralisation. Blind zones of mineralisation may be detectable by IP or EM surveys.

The company also undertook a field trip to the tenement to assess the terrain, topography and infrastructure to assist with logistics planning for undertaking geological mapping, sampling and geophysical survey across the tenement.

6.0 Rehabilitation

There were no earth disturbing activities on the tenement. No rehabilitation was required.

7.0 Year 1 Expenditure

DBL Blues Pty Ltd (on behalf of Core Exploration Ltd) have recently taken over management of the operations of this tenement and requested a variation of covenant for the first years’ expenditure. The organisation plans to undertake significant exploration in the near future. The tenement was previously managed by parties with limited exploration funds who have now sought a joint venture with DBL Blues Pty Ltd. DBL Blues is a wholly owned subsidiary of Core Exploration Ltd, an ASX listed company with sufficient exploration funds to meet ongoing committed exploration expenditure.

Details are summarised below. A formal statement has been lodged.

Geological reconnaissance $ 2396
Overheads $ 359
Total 2012/2013 expenditure $ 2755

8.0 Year 2 Proposed Expenditure

As taken from the annual expenditure report. Cores plan is to generate drill targets for year 2-3. Year 2 will focus on geophysics, and ground testing particular areas with cheap surface exploration.

**PROPOSED ACTIVITIES FOR THE NEXT 12 MONTHS**

Provide a general description of exploration activities planned for the next 12 months:
The company is actively exploring for Iron-oxide Copper-Gold mineralisation within the eastern Arunta region. As part of a recently established Joint Venture agreement DBL Blues Pty Ltd plans to undertake the following activities across EL29280 which is part of a larger package of tenements included within the Joint Venture Agreement.

- Regional helimagnetic and radiometric surveys
- Regional to semi-regional gravity surveys
- Soil and/or rock chip sampling
- Prospect scale magnetics/radiometrics and gravity surveys

### ACTIVITY DETAILS FOR THE NEXT REPORTING PERIOD

<table>
<thead>
<tr>
<th>Admissible Expenditure</th>
<th>Specify the work to be undertaken</th>
<th>$AU Proposed</th>
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</thead>
<tbody>
<tr>
<td>A. Geological Activities and Prospecting</td>
<td>Geological mapping</td>
<td>5,000</td>
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<td>B. Geochemical Activities</td>
<td>Soil and rock chip sampling</td>
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<td>C. Geophysical and Remote Sensing Activities</td>
<td>Regional and local magnetic and gravity surveys</td>
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<td>D. Drilling</td>
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<td>E. Bulk Sampling and Earthworks</td>
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<td>F. Rehabilitation</td>
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<td>G. Pre-feasibility inc. Metallurgical and Environmental</td>
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<td>H. Office Studies</td>
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<tr>
<td>I. Overheads (not to exceed 15% of the sum of A to H above)</td>
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<td>J. Covenant for next reporting period</td>
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9.0 References


