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## **FIFTH ANNUAL TECHNICAL REPORT**

**FOR THE REPORTING PERIOD ENDING  
5<sup>th</sup> May 2013**

### **EL 24839**

## **FENN GAP IRON-MANGANESE PROJECT**

**Amadeus Basin/ Warumpi Province Mineral Field**

**NORTHERN TERRITORY**

|                   |        |           |
|-------------------|--------|-----------|
| ALICE SPRINGS     | SF5314 | 1:250 000 |
| HERMANNSBURG      | SF5313 | 1:250 000 |
| Alice Springs     | 5650   | 1:100 000 |
| Macdonnell Ranges | 5550   | 1:100 000 |

**COMMODITIES: Iron Ore and Manganese**

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**DISTRIBUTION:**

1. Northern Territory Department of Minerals & Energy
2. Genesis Resources Limited

# CONTENTS

|  |   |
|--|---|
| 1. INTRODUCTION .....                                    | 3 |
| 2. LOCATION AND ACCESS .....                             | 3 |
| 3. TENMENTS.....   | 3 |
| 4. GEOLOGY, MINERALISATION AND PREVIOUS EXPLORATION..... | 4 |
| 4.1 Environmental Audits and Inspections.....            | 4 |
| 5. Work Completed.....                                   | 4 |
| 6. EXPENDITURE.....                                      | 4 |
| 7. PROPOSED EXPENDITURE.....                             | 5 |

## List of Tables

- Table 1: Tenement Summary
- Table 2: Summary of Expenditure
- Table 3: Summary of Proposed Expenditure

## List of Figures

- Figure 1: Location Map

Information in this report that relates to exploration activity and results was compiled under the guidance of John Karajas who is a Member of the Australasian Institute of Geoscientists. Mr Karajas has sufficient experience relevant to the styles of mineralization and to the activities which are being reported to qualify as a Competent Person as defined by the JORC code, 2004. Mr Karajas consents to the release of the information compiled in this report in the form and context in which it appears.

# 1. INTRODUCTION

The Fenn Gap project is located approximately 25 kilometres south west of Alice Springs in the Northern Territory. The project is 25 kilometres from major infrastructure such as the Stuart Highway and Alice to Adelaide Railway. The project comprises one Exploration Licence 24839 which covers a total area of 52.43 sq km.

# 2. LOCATION AND ACCESS

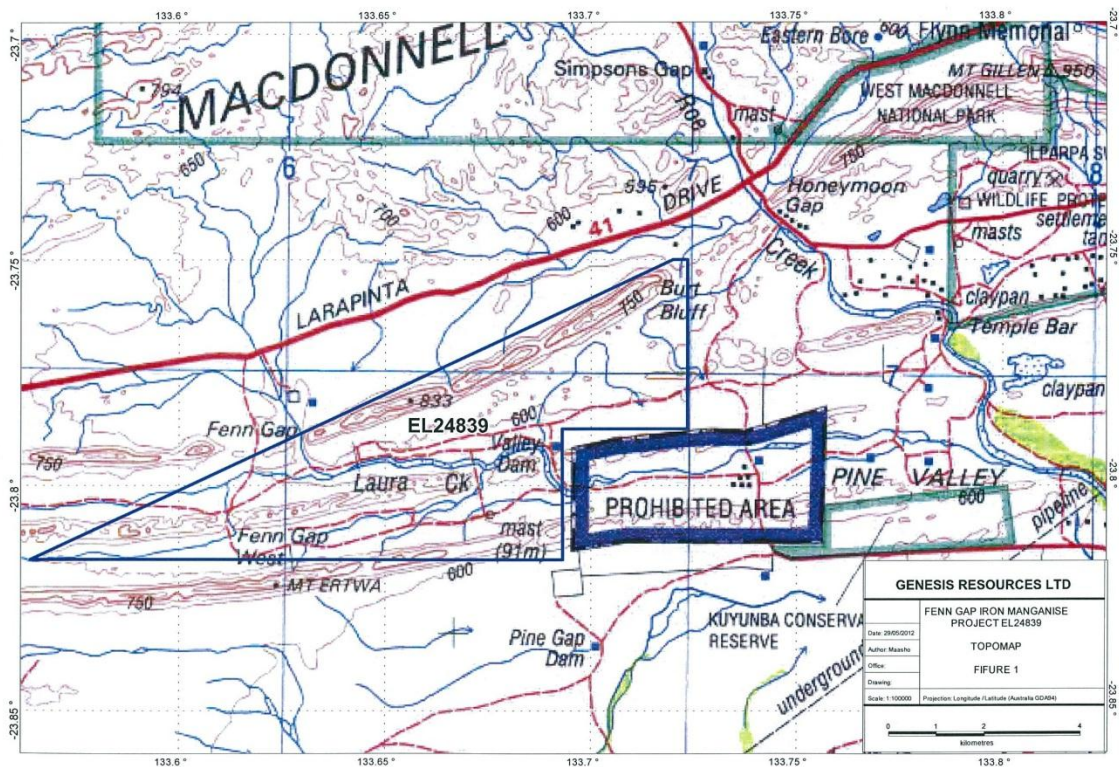
Fenn Gap Iron-Manganese Project is approximately 29.9 road kilometres west south west of Alice Springs in the Northern Territory. The project is 25 kilometres from major infrastructure such as the Stuart Highway and Alice to Adelaide Railway. (See Map GEN001).

# 3. TENEMENTS

The project comprises one Exploration Licence 24839 which covers a total area of 52.43km<sup>2</sup>. The tenement details summarised in Table 1 the tenement location is shown in Figure 1.

**Table 1: Tenement Summary**

| Title number | Owner                 | Blocks | Grant Date | Expiry Date |
|--------------|-----------------------|--------|------------|-------------|
| EL24839      | Genesis Resources Ltd | 27     | 06/05/2008 | 05/05/2014  |



**Figure 1. Fenn Gap EL24839 Location map**

#### 4. GEOLOGY, MINERALISATION & PREVIOUS EXPLORATION

A small reconnaissance mapping over the tenement area was conducted by the NTGS in early 1970 which delineated manganese mineralisation. The known manganese mineralisation occurs in the eastern part of the licence area and rock-chip sampling outlined a strata-bound dolomite-hosted manganese-rich zone over several kilometres in length. Historical rock-chip sampling returned manganese grades up to 50.9% Mn (averaging 39% Mn).

Genesis Resources Limited completed a 13 hole RC drill program over the granted Exploration Licence between 14 and 29 June 2010, testing the outcropping iron-manganese and gravity models.

All thirteen drilled holes were rehabilitated using a Bobcat Loader and tipper truck in December 2010. An environmental rehabilitation report was prepared and forwarded to the Department of Mines on February 2011.

##### 4.1 Environmental Audits and Inspections

John Howard (Exploration Manager) visited the area and inspected the drill-hole sites on 24<sup>th</sup> of March 2011, followed by Baheta Enday (Senior Geologist) on 15<sup>th</sup> and 16<sup>th</sup> of November 2011. The inspection results are summarised as follows:

- All tracks and drilling pads are stable.
- All new tracks and drill pads are covered by natural regeneration.
- No drill-holes failed after being tapped.
- All waste has been removed.
- No flora and fauna were damaged - no vulnerable or endangered species were identified.
- No evidence of weeds was found on the site.
- No further work was required on return to the site.

#### 5. WORK COMPLETED

Due to lack of financial resources only desk studies were completed during the reporting period.

#### 6. EXPENDITURE

The expenditure on EL24839 during the reporting period is summarised in Table 2.

**Table 2: Summary of expenditure**

| <b>Exploration Item</b>          | <b>AUD\$</b>    |
|----------------------------------|-----------------|
|                                  |                 |
| Office Studies                   | <b>1485.9</b>   |
| Administration Overheads         | <b>222.88</b>   |
| <b>Total Expenditure Claimed</b> | <b>1,708.78</b> |

## 7. PROPOSED EXPEDITURE

The proposed expenditure for the next twelve months is summarised in Table 3.

**Table 3: Summary of proposed expenditure**

| <b>Proposed Exploration Program</b>   | <b>AUD\$</b>  |
|---------------------------------------|---------------|
| Geological Activities and Prospecting | 15,000        |
| Geochemical Sampling and assaying     | 15,000        |
| Overheads                             | 3,000         |
| Office Studies                        | 4,000         |
| <b>Total</b>                          | <b>37,000</b> |