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No. 12,072

EL 4287

WYNBRING

**ANNUAL REPORT AND FINAL REPORT TO LICENCE
SURRENDER, FOR THE PERIOD 29/7/2009 TO 28/7/2011**

Submitted by
Iluka Resources Ltd
2011

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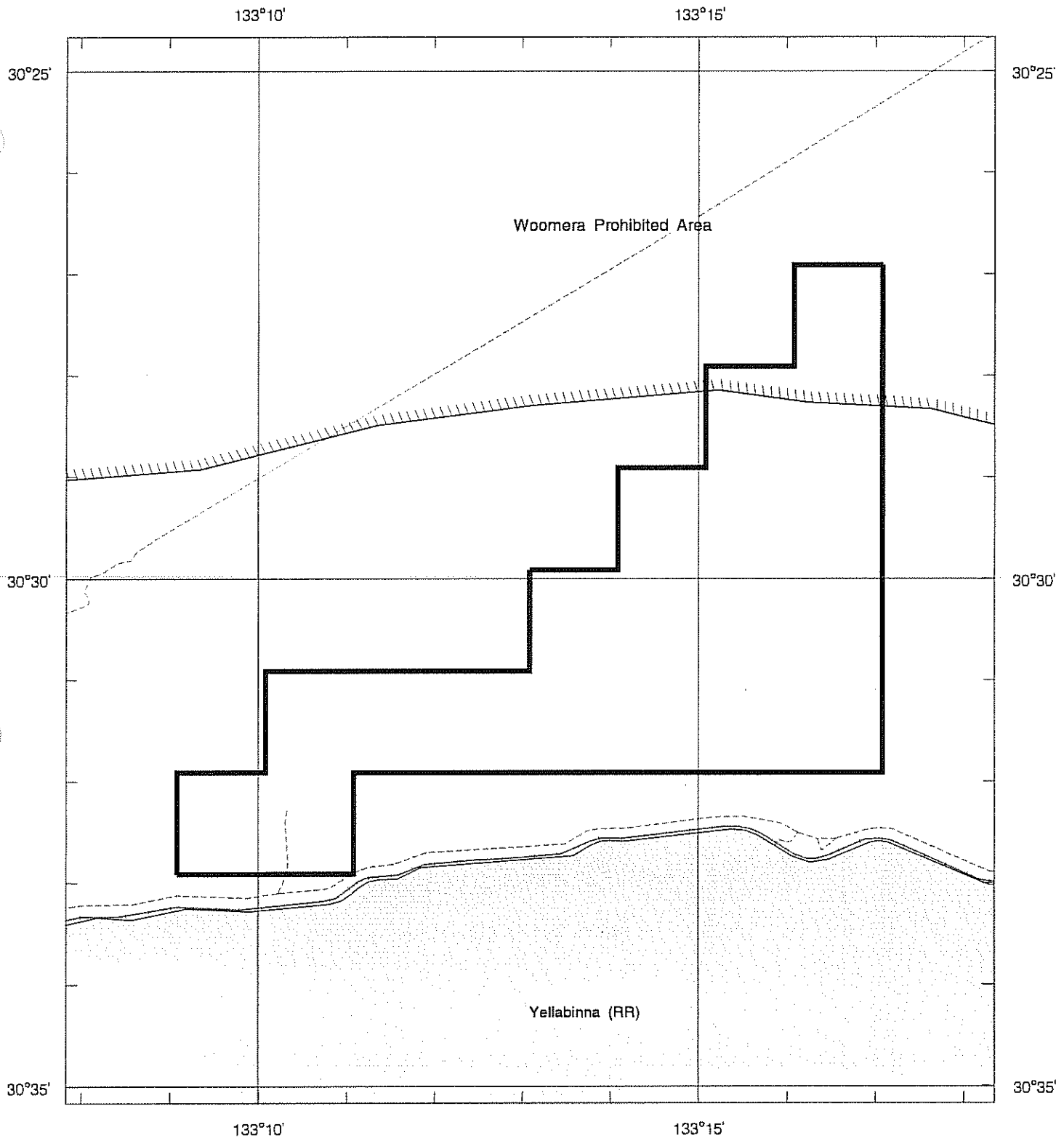
Enquiries: Customer Services Branch
Minerals and Energy Resources
7th Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880



Government of South Australia
Department for Manufacturing,
Innovation, Trade, Resources and Energy

SCHEDULE A



SCALE 1:100 000
 METRES 2000 0 2 4 6 8 10 KILOMETRES
 LICENCE GRANTED IN : DATUM AGD66



APPLICANT : **ILUKA (EUCLA BASIN) PTY LTD**

FILE REF : **40/09**

TYPE : **MINERAL ONLY**

AREA : **56 km² (approx.)**

1:250000 MAPSHEETS : **BARTON**

LOCALITY : **WYNBRING AREA - Approximately 100 km west of Tarcoola**

DATE GRANTED : **29-Jul-2009**

DATE EXPIRED : **28-Jul-2010**

EL NO : **4287**



ILUKA RESOURCE LIMITED

EL4287 Annual Technical Report

For the Period 29/07/2009 to 28/07/2010

By
David Pugh

1 September 2010

Our Reference: ILUKA-TR-T17515

Keywords: Exploration, Gawler Craton, Great Victoria Desert, Mineral Sands, South Australia.

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Executive Summary

The following report details activities conducted by Iluka Resources Limited (Iluka) to fulfil the Annual Reporting requirements for the twelve month period ending 28th July 2010 for Exploration Licence 4287. The tenement is now part of the Eucla Basin Project Amalgamated Expenditure Agreement.

The tenement EL4287 is situated approximately 1km north of the Mount Christie Siding on the Trans Australian Railway in South Australia. There were no field activities undertaken during this reporting period. It had also been the subject of an unsuccessful joint venture agreement.

Total expenditure for this reporting period was \$4,310.10.

1. Introduction

1.1. Tenure

EL4287 was granted on 29 September 2010 and is 100% owned and operated by Iluka Resources Ltd. (Iluka). It is located adjacent to the Trans Australian Railway about 1km north of the Mount Christie Siding (Figure 1).

Tenement	Grant Date	Expiry Date	Area (Km ²)
EL4287	29/07/2009	28/07/2010	5.6

Table 1: Summary of tenement EL4287

This tenement is part of an Amalgamated Expenditure Agreement with PIRSA under the group heading of Eucla Basin Project. Effective from 9th March 2010.

The tenement area is located on the following map sheets:

1:250,000 Series

Barton (SH5309)

1:100,000 Series

Mobella (5537), Taloreh (5536)

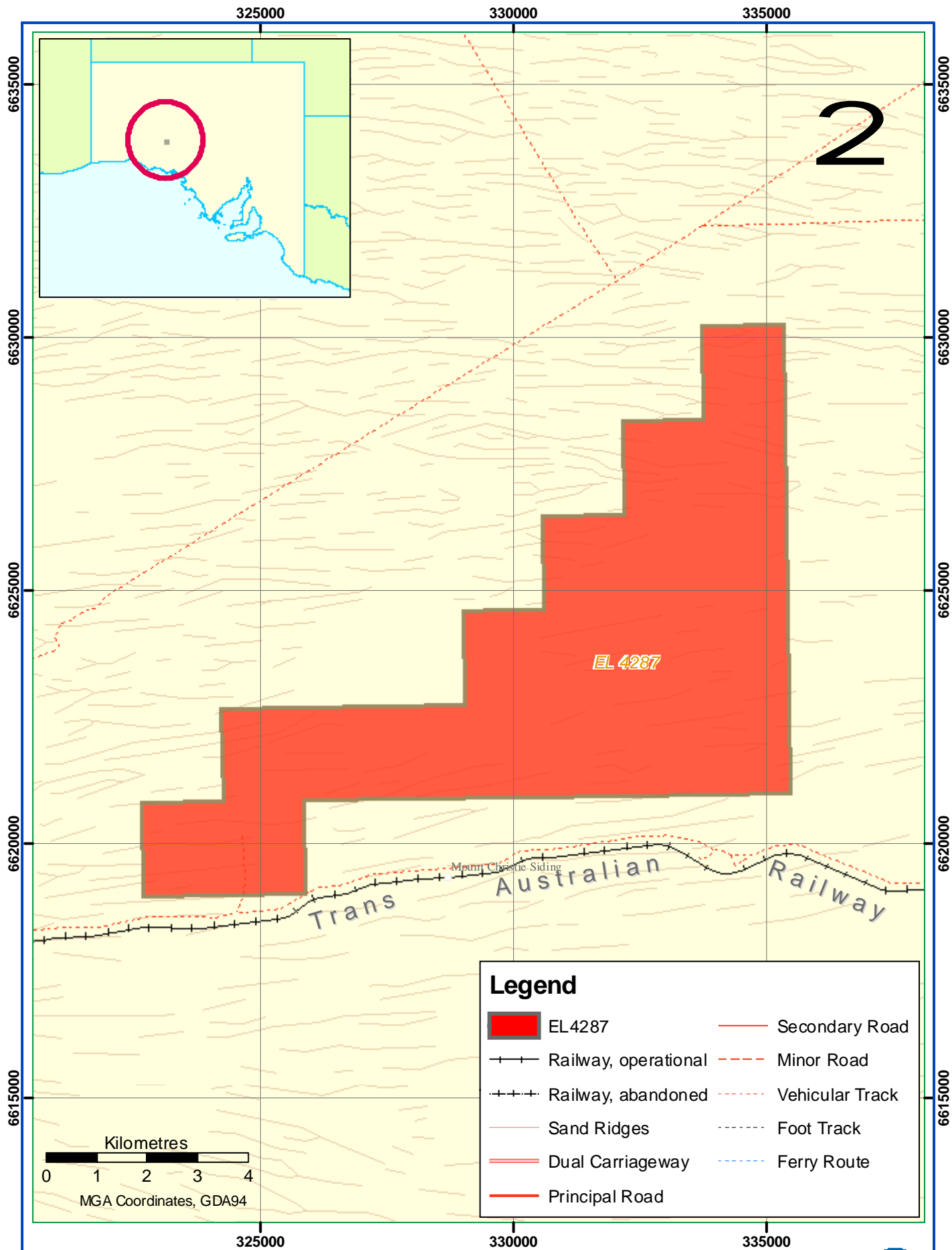
1.2. Climate

The tenement area has a desert climate with short cool winters and long hot summers. Temperatures during summer have a mean of around 35°C. Rainfall is extremely low and variable with an annual mean of 150-200mm. There is no distinct seasonal rainfall pattern, with summer rainfall often due to thunderstorm activity.

1.3. Exploration History

There has apparently been no previous exploration in this tenement, but there have been two programs in the immediate area. In 1985 a number of holes were drilled by Stockdale Prospecting Ltd. (Stockdale). In 1993 the Department of Mines and Energy, South Australia (MESA) conducted a drill program to explore for a variety of different valuable minerals.

Iluka's 2010 heavy mineral exploration drilling program went within 10km of this tenement.



Exploration Licence 4287 Tenement Location



ILUKA

2. Geological Setting

Previous drilling in the area around this tenement suggest that the basement rock will be the multiphase plutonic rocks of the Gawler Craton. The occurrence of weathered and crystalline amphibolites has been identified by both Stockdale and MESA. These are expected to occur with various gneisses and granitoids.

The basement rocks may be over Tertiary alluvial and colluvial sediments along with regolith clastics which may define some of the regional topographic highs. All of this is covered by the Quaternary dunes of the Great Victoria Desert.

3. Work Completed on EL4287

No field activities were undertaken in this tenement during the reporting period.

4. Expenditure

The expenditure for the reporting period is summarised in Table 2.

Cost Element	Amount
Salaries	\$4,263.52
Additional Costs	\$46.58
Total	\$4,310.10

Table 2: Summary of EL4287 expenditure form 29/07/09 to 28/07/10

These costs indicate any administrative or geological study work undertaken with respect to this tenement in an unsuccessful joint venture proposal.



ILUKA RESOURCES LIMITED

EL4287 Surrender Report

For the Period 29/07/2009 to 28/07/2011

By
Leigh Smedley

21 September 2011

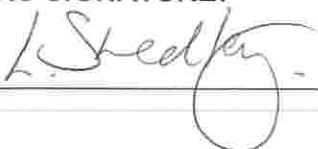
Our Reference: ILUKA-TR-T17725

Keywords: Exploration, Gawler Craton, Great Victoria Desert, Mineral Sands, South Australia.

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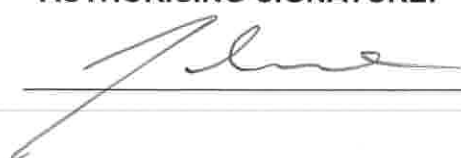


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Executive Summary

This report is the surrender report for Exploration Licence 4287.

The tenement is situated approximately 1km north of the Mount Christie Siding on the Trans Australian Railway in South Australia.

An internal review of the tenement determined that the region is unlikely to host mineral sand accumulations. As a result, the entire tenement will be surrendered.

No work was undertaken on the tenement for the life of the tenement.

1. Introduction

1.1. Tenure

EL4287 was granted on 29 September 2010 and is 100% owned and operated by Iluka Resources Ltd. (Iluka). It is located adjacent to the Trans Australian Railway about 1km north of the Mount Christie Siding (Figure 1).

Tenement	Grant Date	Expiry Date	Area (Km ²)
EL4287	29/07/2009	28/07/2012	5.6

Table 1: Summary of tenement EL4287

The tenement area is located on the following map sheets:

1:250,000 Series

Barton (SH5309)

1:100,000 Series

Mobella (5537), Taloreh (5536)

1.2. Climate

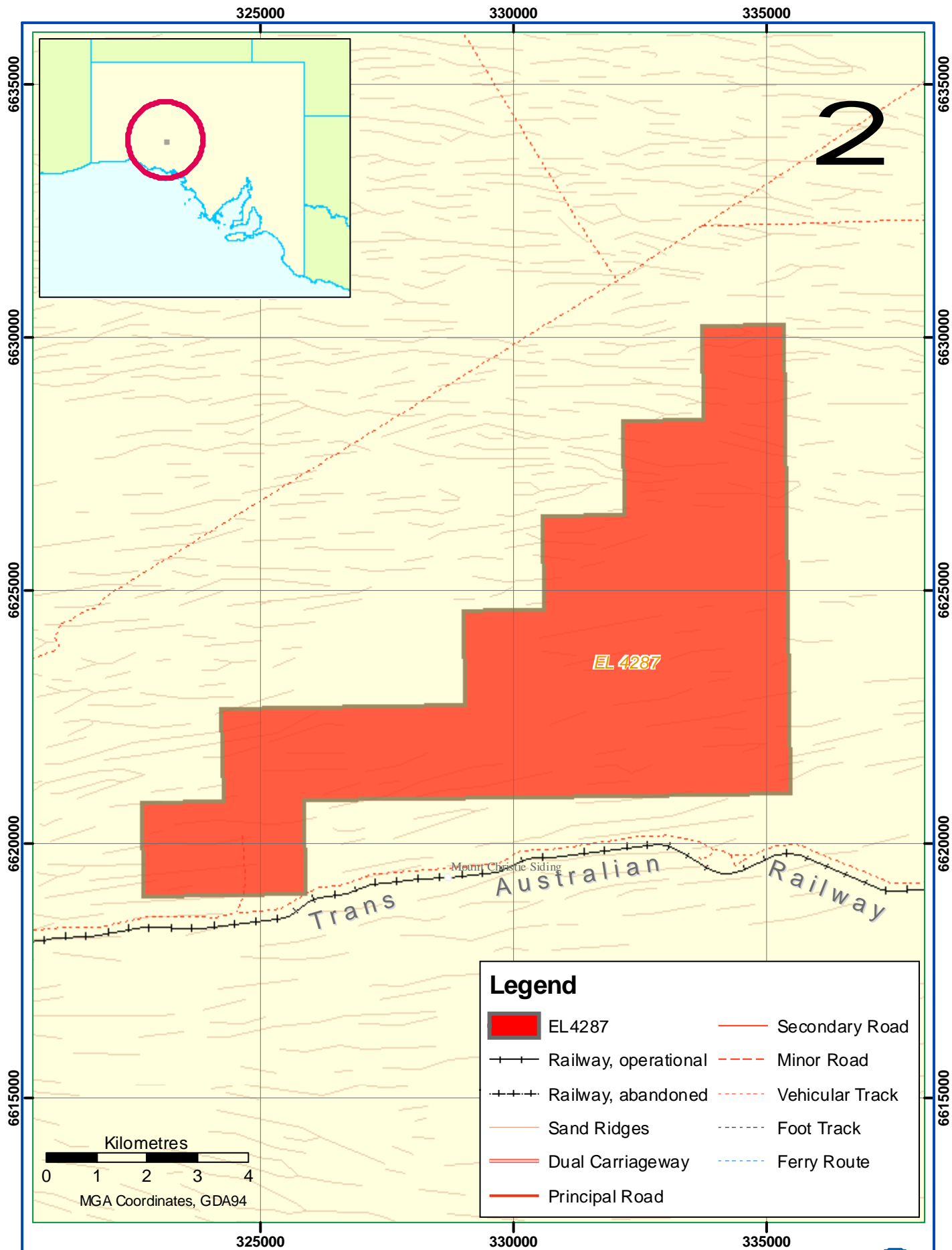
The tenement area has a desert climate with short cool winters and long hot summers. Temperatures during summer have a mean of around 35°C. Rainfall is extremely low and variable with an annual mean of 150-200mm. There is no distinct seasonal rainfall pattern, with summer rainfall often due to thunderstorm activity.

1.3. Exploration History

There has been no previous exploration in this tenement, however there have been two non Iluka programs in the immediate region.

In 1985 a number of holes were drilled by Stockdale Prospecting Ltd, and in 1993 the Department of Mines and Energy, South Australia (MESA) conducted a drill program to explore for a variety of different valuable minerals.

Iluka's 2010 heavy mineral exploration drilling program went within 10km of this tenement.



Exploration Licence 4287 Tenement Location



ILUKA

2. Geology

Previous drilling in the general region suggests that the basement rock will be the multiphase plutonic rocks of the Gawler Craton. The occurrence of weathered and crystalline amphibolites has been identified by both Stockdale and MESA. These are expected to occur with various gneisses and granitoids.

The basement rocks may be covered Tertiary alluvial and colluvial sediments along with regolith clastics which may define some of the regional topographic highs. All of this is covered by the Quaternary dunes of the Great Victoria Desert.

3. Geophysics

No geophysics work was undertaken.

4. Remote Sensing Data

No remote sensing data work was undertaken.

5. Surface Geochemistry

No surface geochemistry work was undertaken.

6. Drilling

No drilling activities were completed on the tenement.

7. Environment

No rehabilitation work is required.

8. Expenditure

The expenditure for the reporting period is summarised in Table 2.

Cost Element	2010	2011	TOTAL
Salaries	\$4,263.52	\$6,378.30	
Field Supplies		\$6,262.51	
Additional Costs	\$46.58	\$36.44	
Total	\$4,310.10	\$12,677.25	\$16,987.35

Table 2: Summary of EL4287 expenditure from 29/07/09 to 28/07/11

The 2010 and 2011 costs are associated with a desktop review of the general region and administration related to an unsuccessful joint venture agreement.

9. Conclusions

No field work was conducted on the tenement. The desktop review indicated that this region is unlikely to host mineral sand deposits and therefore the tenement will be surrendered in its entirety.