



GIANTS REEF EXPLORATION

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EXPLORATION LICENCE 7810

HAYWARD CREEK

EXPLORATION LICENCE 10129

ALEXANDER

EXPLORATION LICENCE 10311

GIBSON CREEK

FOURTH COMBINED ANNUAL REPORT

20 March 2004 - 19 March 2005

LICENSEE:

GIANTS REEF EXPLORATION PTY LTD

A.B.N. 009 200 346

AUTHOR:

B. J. PARKER

May 2005

DISTRIBUTION:

Department of Business Industry & Resource Development
Central Land Council
Giants Reef Exploration Pty Ltd
Giants Reef Mining Limited

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TENNANT CREEK 1:250 000
SE53-14
Flynn 1:100 000
5759

SUMMARY

Exploration Licences 7810 *Hayward Creek*, 10129 *Alexander* and 10311 *Gibson Creek* were acquired to search for large base metal deposits possibly associated with a regional gravity anomaly centred in the southern part of the area covered by the adjoining Licences.

Additional targets include Tennant Creek-type ironstone hosted Au-Cu-Bi orebodies.

This combined report records the exploration work done on ELs 7810, 10129 and 10311 during their fourth year of tenure, from the 20th March 2004 to the 19th March 2005.

After an assessment of the geology and geophysics over the Licence areas it was concluded that the areas showed minimal gravity and magnetic structures to warrant retaining the full Licence area for another year. Hence the recommendation was to fulfil the Statutory relinquishments on all three tenements.

Whilst Giants Reef Exploration did complete a review of the company's data base with that of old geological records, no on-ground exploration was performed on the Licence areas.

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1. EL 7810, 10129 and 10311 and Surrounding Tenure

1. INTRODUCTION

Exploration Licences 7810 *Hayward Creek*, 10129 *Alexander* and 10311 *Gibson Creek* were acquired to search for large base metal deposits possibly associated with a regional gravity anomaly centred in the southern part of the area covered by the adjoining Licences.

Additional targets include Tennant Creek-type ironstone hosted Au-Cu-Bi orebodies.

This combined report records the exploration work done on ELs 7810, 10129 and 10311 during their fourth year of tenure, from the 20th March 2004 to the 19th March 2005.

2. LOCATION

EL's 7810, 10129 and 10311 cover a wide tract of country spanning the Stuart Highway between 40km and 64km north of Tennant Creek, on the Flynn 1:100,000 scale map sheet (5759).

Access from Tennant Creek is via the Stuart Highway and thence by various dirt roads and tracks along fence lines. However, much of the area is rocky, without tracks and difficult to reach, even in a 4WD vehicle. The tracks following the major creek systems become impassable during the wet season.

3. TENURE

EL 10129 covering 13 blocks and part-blocks, and EL 10311 covering 45 one-minute blocks were granted to Giants Reef Exploration Pty Ltd on the 20th March 2001, for a period of 6 years.

Exploration Licence 7810 covering 83 graticular blocks, was granted to Giants Reef Exploration Pty Ltd on the 4th April 2001, for a period of 6 years.

All three Licence areas are in NT Portion 408, Perpetual Pastoral Lease 946, Phillip Creek Station.

EL's 7810, 10129 and 10311 are subject to an Indigenous Land Use Agreement (ILUA), signed in September 2000 between the Native Title holders of the Tennant Creek region, represented by the Central Land Council, and Giants Reef.

At the end of the second year of tenure the Licence areas were reduced. EL 7810 was reduced from 83 to 13 graticular blocks. EL 10129 was reduced from 13 to 7 graticular blocks. EL 10311 was reduced from 45 to 23 graticular blocks.

At the end of the third year of tenure the Licence areas underwent the statutory relinquishment. EL 7810 was reduced from 13 to 7 graticular blocks. EL 10129 was reduced from 7 to 3 graticular blocks. EL 10311 was reduced from 23 to 11 graticular blocks.

Figure 1 shows the Exploration Licences and Surrounding Tenure.

4. GEOLOGY

4.1 Regional Geology

Papers contained in AusIMM Monograph 14 (Geology of the Mineral Deposits of Australia and Papua New Guinea), Volume 1, pp. 829-861 provide a good introduction to the Tennant Creek regional geology and styles of gold-copper mineralisation of the Tennant Creek region.

More recent references are the Flynn 1:100,000 geology map and the 1:250,000 Tennant Creek geology map, with their Explanatory Notes, published by the Northern Territory Geological Survey in 1995 and 1999 respectively. These include a revised stratigraphy.

4.2 Local Geology

In the southern part of the Alexander Project, outcrops of the Palaeoproterozoic Brumbreu Formation (Flynn Sub-group) are found, but the bulk of the rest of the project area is underlain by sandstones and other sediments of the Hayward Creek Formation (Tomkinson Creek Sub-group). West of the Stuart Highway these units strike north-south and are overlain by arenites of the (relatively) younger Morphett Creek Formation along the western boundaries of EL 10311 and EL 7810. East of the Stuart Highway, basement exposure is poorer, with extensive patches of the Hayward Creek Formation but much larger areas of Quaternary alluvium and soils, including the flood-out areas of the major Hayward Creek and Gibson Creek systems.

5. WORK COMPLETED DURING THE YEAR

5.1 EL 7810

Giants Reef reviewed the company's data base and cross referenced old geographic data with the current data in the system.

After extensively studying the geology and geophysics over the Licence area it was recommended that Giants Reef Exploration relinquish the northern half of the tenement.

No on-ground exploration was conducted over the licence during the year.

5.2 EL 10129

A Geophysical assessment of the Alexander Gravity Anomaly suggested that the magnetic and gravity data do not define a specific target worth drill testing and as such is no longer regarded as having significant potential to host a large base metal deposit.

The geology and geophysics over the EL were reviewed and the northern graticular blocks of the tenement reduced.

No on-ground exploration was conducted over the licence during the year.

5.3 EL 10311

After reviewing the Licence area it was concluded that the tenement contained no prospective Warramunga Formation. A Geological assessment identified the Licence area to be located outside the traditional Tennant Creek goldfield, and within host rock not indicative to the typical Tennant Creek Au-Cu-Bi mineralization.

The geology and geophysics over the EL were reviewed and the northern graticular blocks of the tenement reduced.

No on-ground exploration was conducted over the licence during the year.

6. REHABILITATION

As no on-ground exploration work was conducted over the licence area there is no rehabilitation to report.

7. CONCLUSIONS

After an assessment of the geology and geophysics over the Licence areas it was concluded that the areas showed minimal gravity and magnetic structures to warrant retaining the full Licence area for another year. Hence the recommendation was to fulfil the Statutory relinquishments on all three tenements.

Whilst Giants Reef Exploration did complete a review of the company's data base with that of old geological records, no on-ground exploration was performed on the Licence areas.

8. EXPENDITURE

8.1 EL 7810

The proposed expenditure for the third year of tenure was \$6,000. Actual expenditure was as follows:

	\$
1. Geology	3,648
2. Geophysics	241
3. Geochemistry	
4. Surveying	
5. Data integration	777
6. Analytical	
7. Drilling	
8. Tenure maintenance	835
9. Administration and Overheads.....	891
10. Rehabilitation	
TOTAL	\$6,392

8.2 EL 10129

The proposed expenditure for the third year of tenure was \$5,000. Actual expenditure was as follows:

	\$
1. Geology	398
2. Geophysics	1,432
3. Geochemistry	239
4. Surveying	
5. Data integration	240
6. Analytical	1,026
7. Drilling	
8. Tenure maintenance	279
9. Administration and Overheads.....	1,495
10. Rehabilitation	
TOTAL	\$5,109

8.3 EL 10311

The proposed expenditure for the third year of tenure was \$11,000. Actual expenditure was as follows:

	\$
1. Geology	3,648
2. Geophysics	1,942
3. Geochemistry	1,843
4. Surveying	
5. Data integration	1,304
6. Analytical	539
7. Drilling	
8. Tenure maintenance	430
9. Administration and Overheads.....	1,512
10. Rehabilitation	
TOTAL	\$11,218

9. PROPOSED PROGRAM AND EXPENDITURE FOR YEAR FOUR

9.1 EL 7810

	\$
1. Geology	2,000
2. Geophysics	2,000
3. Geochemistry	0
4. Surveying	0
5. Data integration.....	0
6. Analytical	0
7. Drilling	0
8. Tenure maintenance	1,000
9. Administration and Overheads.....	1,000
10. Rehabilitation	0
TOTAL	\$6,000

9.2 EL 10129

	\$
1. Geology	1,700
2. Geophysics	2,000
3. Geochemistry	0
4. Surveying	0
5. Data integration.....	0
6. Analytical	0
7. Drilling	0
8. Tenure maintenance	800
9. Administration and Overheads.....	500
10. Rehabilitation	0
TOTAL	\$5,000

9.1 EL 10311

	\$
1. Geology	2,800
2. Geophysics	4,000
3. Geochemistry	0
4. Surveying	0
5. Data integration.....	1,000
6. Analytical	0
7. Drilling	0
8. Tenure maintenance	1,400
9. Administration and Overheads.....	1,800
10. Rehabilitation	0
TOTAL	\$11,000

Exploration programs are affected by the results achieved as the work progresses, and while these are the proposed programs and expenditures for the coming year, some changes may become necessary.

10. REFERENCES

Jonstone A. & Donnellan N., 2001. Tennant Creek 1:125,000 Integration of Geophysics and Mapped Geology. Edition 1. Northern Territory Geological Survey, Alice Springs.

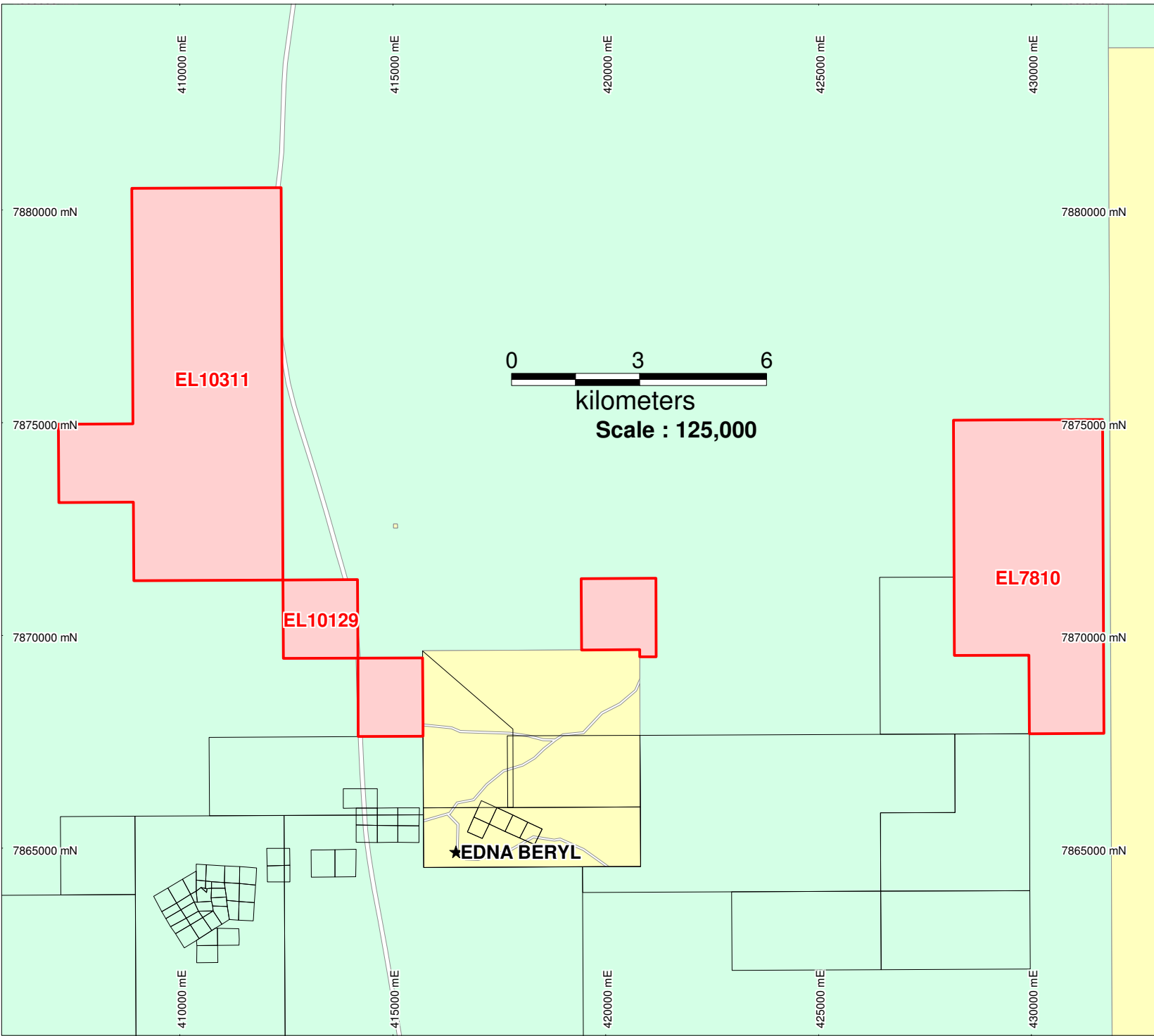
Cahill J. 2004. Third Annual Report. (20 March 2003 – 19 March 2004)


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Simpson P. & Russell S. 2002. First Annual Report. (20 March 2001 – 19 March 2002)

BRAD PARKER

SUPERVISING GEOLOGIST - REGIONAL



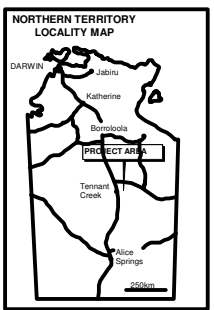


**GIANTS REEF
MINING LIMITED**

**Location of EL 7810, 10129
& 10311 and Surrounding Tenure**

Author: GRM	Date: April 2005
Drawn: DMC	Revised:
Dwg No.: EL_locationMap	Report No.:
Projection: GDA94	Scale: 1:125,000

-  Perpetual Pastoral Lease
-  Aboriginal Freehold Land
-  Special Purpose Lease
-  Crown Land Perpetual





GIANTS REEF MINING LIMITED

HARD COPY REPORT META DATA FORM

REPORT NAME: EL 7810 *Hayward Creek*, EL 10129 *Alexander*, EL 10311 *Gibson Creek* FOURTH COMBINED ANNUAL REPORT 20TH MARCH 2004 - 19TH MARCH 2005

PROSPECT NAMES(s): EL 7810 – HAYWARD CREEK
EL 10129 - ALEXANDER
EL 10311 – GIBSON CREEK

GROUP PROSPECT NAME: ALEXANDER

TENEMENT NUMBERS(s): EL 7810, EL 10129, EL 10311

ANNIVERSARY DATE: 19 MARCH 2005

OWNER/JV PARTNERS: GIANTS REEF EXPLORATION PTY LTD

AUTHOR(s): B.J. PARKER

COMMODITIES: GOLD, COPPER, LEAD, ZINC, SILVER, BISMUTH

MAPS 1:250 000: TENNANT CREEK SE53-14

MAPS 1:100 000: TENNANT CREEK 5758, FLYNN 5759

MAPS 1:25 000:

TECTONIC UNIT(s): TENNANT CREEK INLIER

STRATIGRAPHIC NAME(s): WARRAMUNGA FORMATION

AMF GENERAL TERMS: LITERATURE SEARCH

AMF TARGET MINERALS: GOLD, COPPER, BISMUTH, LEAD, ZINC.

AMF GEOPHYSICAL: GEOPHYSICAL INTERPRETATION, NTGS & AGSO

AMF GEOCHEMICAL:

AMF DRILL SAMPLING:

HISTORIC MINES:

DEPOSITS:

PROSPECTS: EXPLORER 98,

KEYWORDS: ALEXANDER PROJECT, EL 7810, EL 10129, EL 10311
ALEXANDER GRAVITY ANOMALY