



**GIANTS REEF**  
MINING LIMITED

# GIANTS REEF EXPLORATION

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**EXPLORATION LICENCE 9958**  
*RUNNING BEAR*

**EXPLORATION LICENCE 10114**  
*MC DOUGALL RANGES*

**EXPLORATION LICENCE 10124**  
*SPEEDWAY*

**EXPLORATION LICENCE 10313**  
*KODIAK*

**FIRST COMBINED ANNUAL REPORT**  
*1 May 2003 – 31 May 2004*

*LICENSEE:*  
**GIANTS REEF EXPLORATION PTY LTD**  
A.B.N. 009 200 346

*AUTHOR:*  
J. Cahill

May 2004

**DISTRIBUTION:**

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

*SE53-14*  
*TENNANT CREEK 1:250 000*  
*5758*  
*TENNANT CREEK 1:100 000*

## SUMMARY

This combined report records the exploration work done on EL's 9958, 10114, 10124 and 10313 during their first year of tenure, from the 1<sup>st</sup> May 2003 to the 31<sup>st</sup> May 2004.

Targets are ironstone-related gold-copper deposits.

Exploration Licences 9958, 10114, 10124 and 10313 are a contiguous group of Licences spanning the Stuart Highway north of Tennant Creek. The Licences are all predominately underlain by Warramunga Formation sediments and are all prospective for typical Tennant Creek style ironstone hosted gold copper mineralisation.

Exploration Licences 9958 and 10114 display a broad magnetic high extending through the Licence areas which is indicative of an ironstone ridge. This magnetic high requires a geophysical assessment to identify potential target areas which will be undertaken in the second tenure year.

Exploration Licence 10124 has a number of target areas, primarily the Burnt Shirt prospects which is over a magnetic high, however a good deal of historical exploration has been conducted within the vicinity. A field trip to the Irish Emblem mine in the northwest of the Licence area mapped the geology and noted the structural significance.

Exploration Licence 10313 is in a prospective area for structurally controlled mineralisation being crossed by both the Mary Lane Shear and the Quartz Hill fault. Giants Reef view this area as a potential location where mineralising fluids may have created mineralised orebodies. Detailed structural mapping and geophysical assessment of the area is required in order to understand the structural significance and aid in the identification of drill targets.

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## 1. INTRODUCTION

This combined report records the exploration work done on EL's 9958, 10114, 10124 and 10313 during their first year of tenure, from the 1<sup>st</sup> May 2003 to the 31<sup>st</sup> May 2004.

Targets are ironstone-related gold-copper deposits.

## 2. LOCATION

EL's 9958, 10114, 10124 and 10313 are a contiguous group of Licences that cover a wide tract of country spanning the Stuart Highway between 5km and 10km north of Tennant Creek on the Tennant Creek 1:00,000 scale map sheet (5758).

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.

The summer period is hot with seasonal heavy rainfall between January and March making access very difficult during these periods.

Figure 1 shows the Licences and surrounding tenure.

## 3. TENURE

Exploration Licence 9958 (5 blocks; 16km<sup>2</sup>), Exploration Licence 10114 (9 blocks; 14.67km<sup>2</sup>), Exploration Licence 10124 (6 blocks; 19km<sup>2</sup>) and Exploration Licence 10313 (4 blocks; 8.47km<sup>2</sup>) were granted to Giants Reef Exploration Pty Ltd on the 1<sup>st</sup> May 2003 for a period of six years.

All four Licences fall on Inalienable Aboriginal Freehold land held by the Warrumungu Land Trust. An Agreement referred to as the Wildhorse II Deed for Exploration was signed by the Central Land Council (CLC), Traditional Landowners, Giants Reef and Santexco Pty Ltd on the 25<sup>th</sup> February 2003. This agreement established land access for mineral exploration upon Warrumungu Land Trust areas, including EL's 9958, 10114, 10124 and 10313.

Figure 2 shows the Year 1 Licence area of EL 9958.

Figure 3 shows the Year 1 Licence area of EL 10114.

Figure 4 shows the Year 1 Licence area of EL 10124.

Figure 5 shows the Year 1 Licence area of EL 10313.

## 4. GEOLOGY

### 4.1 Regional Geology

The regional geology of the Tennant Creek field has been detailed in many publications. 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 regional geology and styles of gold-copper mineralisation of the area.

A more recent reference is the 1998 Northern Territory Geological Survey second edition geological map and explanatory notes on the Tennant Creek 1:250,000 sheet, which includes a revised stratigraphy.

## 4.2 Local Geology

Recent geological mapping carried out by the Northern Territory Geological Survey has shown that the bedrock through the Licences predominately consists totally of the Warramunga Formation of Palaeoproterozoic age. This formation hosts virtually all of the gold and copper mineralisation within the Tennant Creek Field.

Outcrop within the Licences is restricted to east-west trending sediment and quartz-haematite ironstone ridges. The dominant lithologies are the Warramunga Group siltstones, shales and greywackes with minor quartz porphyry in the south of EL 10124 and in the northwest of EL 10114 and EL 9958. Numerous quartz and quartz-haematite ironstones are present in the ridges and their slopes. Several east striking shears traverse the area.

Mineralisation styles are varied and include, shear hosted haematite-talc-chlorite ironstone (Pinnacles, Ajax, Fassifern and Southern Star Mines) and massive magnetite-chlorite ironstone (Argo Mine and Explorer 38).

## 5. WORK DONE DURING THE YEAR

### 5.1 Exploration Concepts

#### 5.1.1 Traditional Tennant Creek-type Ironstone hosted Au-Cu-Bi Orebodies

The close association with of Tennant Creek ironstones to host Au-Cu-Bi orebodies has enabled the use of magnetic surveys to locate concealed magnetite-rich ironstones. Some of the earliest mineral exploration aeromagnetic surveys in Australia were conducted in the Tennant Creek region, and to this day, magnetics has been the most important exploration tool.

The magnetic exploration technique traditionally used has assumed that mineralisation was intimately associated with magnetite-dominant ironstones, which is supported by the number of high grade orebodies discovered with this tool. Successful examples include Warrego (6.75Mt @ 7.6g/t Au, and 1.9% Cu), Juno (0.45Mt @ 56g/t Au) and Gecko (2.7Mt @ 1.1g/t Au and 4.3% Cu).

Numerous local and regional magnetic surveys have been completed over the Tennant Creek goldfield, primarily targeting ironstone masses within Warramunga Formation host-rock. Using these surveys, magnetic anomalies in structurally prospective trends have been identified and further explored.

#### 5.1.2 Tennant Creek-type Haematite hosted Au-Cu-Bi Orebodies

The discovery of the non-magnetic haematite-rich Chariot deposit in 1998 has resulted in a broader exploration model that allows for the presence of extensive ore grade mineralisation hosted within primary, non-magnetic (haematite-rich) ironstones. Discoveries by Giants Reef of high grade mineralisation associated with haematite dominant ironstone at Marathon and Billy Boy, although small, are further examples of this style of mineralisation.

Exploration for non-magnetic haematite ironstones are best identified using gravity surveys to identify dense rocks within Warramunga Formation sediments. At present there are no gravity maps for the Tennant Creek goldfield considered detailed enough to identify haematite targets.

Apart from its use in a very regional way, the gravity method has not been utilised to any extent in the search for haematite-ironstone related mineralisation in the Tennant Creek field. A small number of projects in the goldfield, in particular those explored by Western Mining Corporation, have been covered with any detail. Most of these projects however, are not situated within the area considered by Giants Reef to hold economic mineralisation potential.

As an exploration tool the gravity method would appear to be the obvious way to proceed, but the use of this technique in the same manner as magnetics is prohibitive, principally because of its cost. At present, with the exception of the Falcon airborne gravity gradiometer, there is no technique available to identify (cost effectively), the relatively small bodies of haematite that could contain economic mineralisation. As, essentially the total Warramunga Formation is a potential to host gold-rich ironstone bodies, magnetic and non-magnetic, selective areas for haematite mineralisation require targeting for which gravity surveying is required.

The potential for the haematite ironstones to host mineralisation in non magnetic areas essentially opens up the whole Tennant Creek goldfield to new target review. Further target rationalisation would best be proceeded in areas where there is a coincident gravity and magnetic anomalism.

## 5.2 Area of Reporting

At the time of application of the Exploration Licences by Giants Reef Exploration much of the Licence areas were held under Mineral Claims and Leases held by Normandy Tennant Creek (NTC).

In July 2001, Giants Reef Mining purchased NTC's Tennant Creek assets including the Claims and Leases within the subject Licences. Prior to the grant of the Exploration Licences Giants Reef underwent a tenement rationalisation, surrendering many Claims and Leases. This has resulted in a number of target areas previously held under Claims and Leases, now being explored under their respective Exploration Licence.

A number of Mineral Leases remain within the Licence areas, and will not be included within this report. These include ML C182-184 *Explorer 109 and 110* with in EL 10124 and the *Lone Star* Mineral Leases C368-370, 374-374, 606-607, 609-611 and 613-615, located to the north of EL 10114 and EL 9958. There are no Claims or Leases within EL 10313.

## 5.3 EL 9958

Exploration Licence 9958 was originally applied for by Giants Reef in September 1997. Conflicting Native Title issues held up the granting of the Licence for six years until the grant of the Licence on May 2003. The Licence was originally applied for to cover a tract of land inferred to be underlain by Warramunga Formation sediments in prospective area of the Tennant Creek gold field just north of the Nobles Nob line.

A number of historical mines exist within the EL including Great Bear (325t @ 18g/t Au) and Trump (production not recorded).

In 1998 NTC conducted a detailed airborne aeromagnetic survey of the Nobles Nob line extending up into the upper half of EL 9958. Review of the magnetics indicates a broad magnetic high extending through the Licence area which is indicative of an ironstone ridge. This ironstone ridge presents a number of target areas including the Eastern prospect.

During Giants Reef's tenement rationalisation process Mineral Claims C927-944 *Shag/Gull* were surrendered, falling into EL 9958 and SEL 8665. This prospect area overlies a regional, broad gravity gradient that increases from northeast to southwest indicating a prospective area for haematite ironstone mineralisation. Additionally this area displays a geochemical anomaly identified in 1994 by Poseidon's vacuum drilling which does not appear to have been followed up. This area requires a review and assessment because this area is currently not ranked by Giants Reef as a target area, even of low priority.

## 5.4 EL 10114

Exploration Licence 10114 was originally applied for by Giants Reef in April 1998. Conflicting Native Title issues held up the granting of the Licence for five years until the grant of the Licence on May 2003. The Licence was originally applied for to cover a tract of land inferred to be underlain by Warramunga Formation sediments in prospective area of the Tennant Creek gold field just north of the Nobles Nob line.

Review of the NTC 1998 magnetics shows the magnetic ridge seen in EL 9958 (noted in Section 5.4) extending into the southern blocks of EL 10114. Along this ridge are a number of magnetic highs including Explorer 92. Located to the south east of Explorer 92 is a recorded Aboriginal Sacred Site.

#### 5.5 10124

Exploration Licence 10124 was originally applied for by Giants Reef in May 1998. Conflicting Native Title issues held up the granting of the Licence for five years until the grant of the Licence in May 2003.

During Giants Reef's tenement rationalisation process the Burnt Shirt Mineral Leases were surrendered, falling into EL 10124. These Leases covered a significant portion of the Licence area lying to the east of the Stuart Highway. The Leases covered the historical Burnt Shirt, Ace High, Ortelle Star, Wedge, Kathleen and Leichardt mines and several other small historical mines and surface diggings. A comprehensive outline of the exploration history undertaken in the Burnt Shirt area is covered in Giants Reef's *Final Report for the Burnt Shirt Leases*, 27 December 1972 to 6 June 2003 (J. Cahill, 2003).

Giants Reef assessed the targets within the surrendered Burnt Shirt area and concluded that there is not much scope for near surface oxide gold, and the discovery of large high-grade mineralisation was ranked as low. Additionally, much exploration within the area has been conducted over the past 50 years with no recent economic discoveries.

The Licence area to the west of the Stuart Highway has a number of historical mines that were mined for both gold and copper. The Shamrock (63t @ 7g/t Au, and 6t Cu) copper mineralisation appears to be concentrated along a talc rich shear unrelated to the ironstone pod (NTGS Tennant Creek Mineral Deposit Data Series, P.A Ferenczi, 1996) and the Irish Emblem (production not recorded).

A field trip to the Irish Emblem mine was made to locate, map and assess the mine area. The mine is located south of the Shamrock located on a prominent ironstone outcrop. The ironstone outcrop is on the contact between a porphyry body to the north and Warramunga sediment to the south. It is at the western end of a line of ironstone ridges: the eastern end is a high outcrop approximately 1km away just south of the Warrego road. There are occasional old pits and scrapings at intervals along this line of ridges which appears to have been offset at a number of places by east-west faults.

Located proximal to the Irish Emblem outcrop is an old costean about 4m long, through very haematitic banded sediments. There is a shallow pit on the north side, at the porphyry contact and there are a few other depressions which are most likely the work of old prospectors. The ironstone itself showed clear east-west near-vertical banding, suggesting either shearing or replacement of bedding by haematite. At each end, the ironstone seemed to pinch out into banded or sheared haematitic sediments.

Figure 6 shows a basic map of the Irish Emblem mine area.

#### 5.6 EL 10313

Exploration Licence 10313 was originally applied for by Giants Reef in December 1998. Conflicting Native Title issues held up the granting of the Licence for five years until the grant of the Licence in May 2003.



On grant the geology of the Licence area was assessed. A major regional fault structure the Quartz Hill fault runs from northwest to south east through the Licence area. This structure reveals itself as rubbly quartz ridges just outside the eastern and western boundaries of the Licence area. A second major regional structure the Mary Lane Shear also passes through the Licence area from west northwest to east southeast in the southern block of the Licence area. While neither of these major structures has an obvious surface expression within the Licence area, both are apparent in images of the regional magnetics.

Within the Tennant Creek goldfield there are a number of important fault and shear structures such as the Quartz Hill fault and the Mary Lane Shear. In the case of the Mary Lane shear a number of mines and mineral occurrences are found within it or immediately adjacent. To a lesser degree this also applies to the Quartz Hill Fault.

Little exploration work has been done on these structures, despite the fact that in other goldfields major structures like those mentioned above have been regarded as prime exploration targets in their own rights.

EL 10313 is part of the general area where the Mary Lane Shear and the Quartz Hill Fault converge together. This is seen as an area in which mineralising fluids could have created orebodies. In the southern half of the southern block of the Licence the regional magnetics show some disturbed patterns, and these features are considered by Giants Reef as sites for possible structurally controlled mineralisation.

## 6. REHABILITATION

No work done on EL 9958, 10114, 10124 and 10313 has required any significant rehabilitation measures.

## 7. CONCLUSIONS

Exploration Licences 9958, 10114, 10124 and 10313 are a contiguous group of Licences spanning the Stuart Highway north of Tennant Creek. The Licences are all predominately underlain by Warramunga Formation sediments and are all prospective for typical Tennant Creek style ironstone hosted gold copper mineralisation.

Exploration Licences 9958 and 10114 display a broad magnetic high extending through the Licence areas which is indicative of an ironstone ridge. This magnetic high requires a geophysical assessment to identify potential target areas which will be undertaken in the second tenure year.

Exploration Licence 10124 has a number of target areas, primarily the Burnt Shirt prospects which is over a magnetic high, however has had a good deal of historical exploration conducted within the vicinity. A field trip to the Irish Emblem mine in the northwest of the Licence area mapped the geology and noted the structural significance.

Exploration Licence 10313 is in a prospective area for structurally controlled mineralisation being crossed by both the Mary Lane Shear and the Quartz Hill fault. Giants Reef view this area as a potential location where mineralising fluids may have created mineralised orebodies. Detailed structural mapping and geophysical assessment of the area is required in order to understand the structural significance and aid in the identification of drill targets.

8. EXPENDITURE

8.1 EL 9958

The proposed expenditure for the first year of tenure was \$9,000. Actual expenditure was as follows:

	\$ Year 1
1. Geology .....	774
2. Geophysics .....	0
3. Geochemistry .....	0
4. Surveying .....	0
5. Data integration .....	414
6. Analytical .....	0
7. Drilling.....	0
8. Tenure maintenance .....	230
9. Administration.....	3,288
10. Rehabilitation.....	0
<b>TOTAL</b>	<b>\$4,706</b>

Total expenditure amounted to an estimated \$4,706. As the minimum expenditure for the year was not met, an application for variation of the expenditure accompanies this report.

8.2 10114

The proposed expenditure for the first year of tenure was \$10,000. Actual expenditure was as follows:

	\$ Year 1
1. Geology .....	455
2. Geophysics .....	0
3. Geochemistry .....	0
4. Surveying.....	0
5. Data integration .....	320
6. Analytical .....	0
7. Drilling.....	0
8. Tenure maintenance .....	279
9. Administration.....	945
10. Rehabilitation.....	0
<b>TOTAL</b>	<b>\$1,999</b>

Total expenditure amounted to an estimated \$1,999. As the minimum expenditure for the year was not met, an application for variation of the expenditure accompanies this report.

8.3 EL10124

The proposed expenditure for the first year of tenure was \$10,120. Actual expenditure was as follows:

	\$ Year 1
1. Geology .....	851
2. Geophysics .....	0
3. Geochemistry .....	0
4. Surveying.....	0
5. Data integration .....	0

6.	Analytical .....	0
7.	Drilling.....	0
8.	Tenure maintenance .....	180
9.	Administration.....	341
10.	Rehabilitation.....	0
	<b>TOTAL</b>	<b>\$1,372</b>

Total expenditure amounted to an estimated \$1,372. As the minimum expenditure for the year was not met, an application for variation of the expenditure accompanies this report.

8.4 EL10313

The proposed expenditure for the first year of tenure was \$9,000. Actual expenditure was as follows:

		\$ Year 1
1.	Geology .....	16
2.	Geophysics.....	0
3.	Geochemistry .....	0
4.	Surveying.....	0
5.	Data integration .....	260
6.	Analytical .....	0
7.	Drilling.....	0
8.	Tenure maintenance .....	139
9.	Administration.....	40
10.	Rehabilitation.....	0
	<b>TOTAL</b>	<b>\$455</b>

Total expenditure amounted to an estimated \$455. As the minimum expenditure for the year was not met, an application for variation of the expenditure accompanies this report.

9. PROPOSED PROGRAM AND EXPENDITURE FOR YEAR TWO

In the second year of tenure Giants Reef intend to undertake an integrated geological, geophysical and geochemical review of the tenements incorporating previous companies work undertaken over the areas to identify target areas for exploration for shallow oxide gold copper deposits.

9.1 EL 9958

		\$ Year 1
1.	Geology .....	1,400
2.	Geophysics.....	1,200
3.	Geochemistry .....	0
4.	Surveying.....	
5.	Data integration .....	700
6.	Analytical .....	
7.	Drilling.....	
8.	Tenure maintenance .....	400
9.	Administration.....	300
10.	Rehabilitation.....	
	<b>TOTAL</b>	<b>\$4,000</b>

Estimated expenditure for the second year is \$4,000.

9.2 EL 10114

	\$ Year 1
1. Geology .....	2,000
2. Geophysics .....	2,000
3. Geochemistry .....	500
4. Surveying .....	500
5. Data integration .....	800
6. Analytical .....	400
7. Drilling.....	0
8. Tenure maintenance .....	400
9. Administration.....	400
10. Rehabilitation.....	0
<b>TOTAL</b>	<b>\$7,000</b>

Estimated expenditure for the second year is \$7,000.

9.3 EL 10124

	\$ Year 1
1. Geology .....	1,500
2. Geophysics .....	1,500
3. Geochemistry .....	0
4. Surveying.....	0
5. Data integration .....	700
6. Analytical .....	0
7. Drilling.....	0
8. Tenure maintenance .....	400
9. Administration.....	400
10. Rehabilitation.....	0
<b>TOTAL</b>	<b>\$4,500</b>

Estimated expenditure for the second year is \$4,500.

9.4 EL 10313

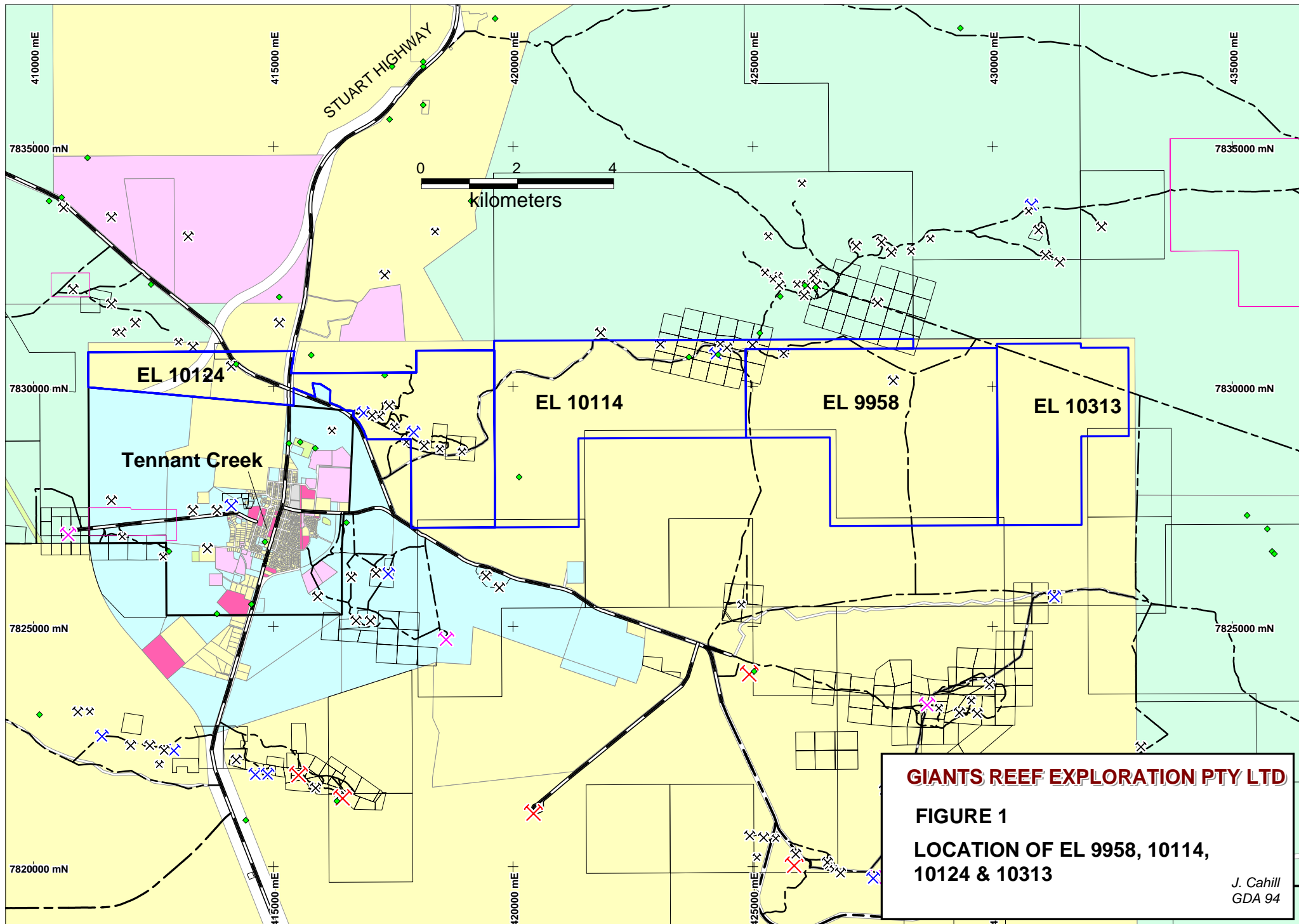
	\$ Year 1
1. Geology .....	1,000
2. Geophysics .....	1,000
3. Geochemistry .....	0
4. Surveying.....	0
5. Data integration .....	200
6. Analytical .....	0
7. Drilling.....	0
8. Tenure maintenance .....	400
9. Administration.....	400

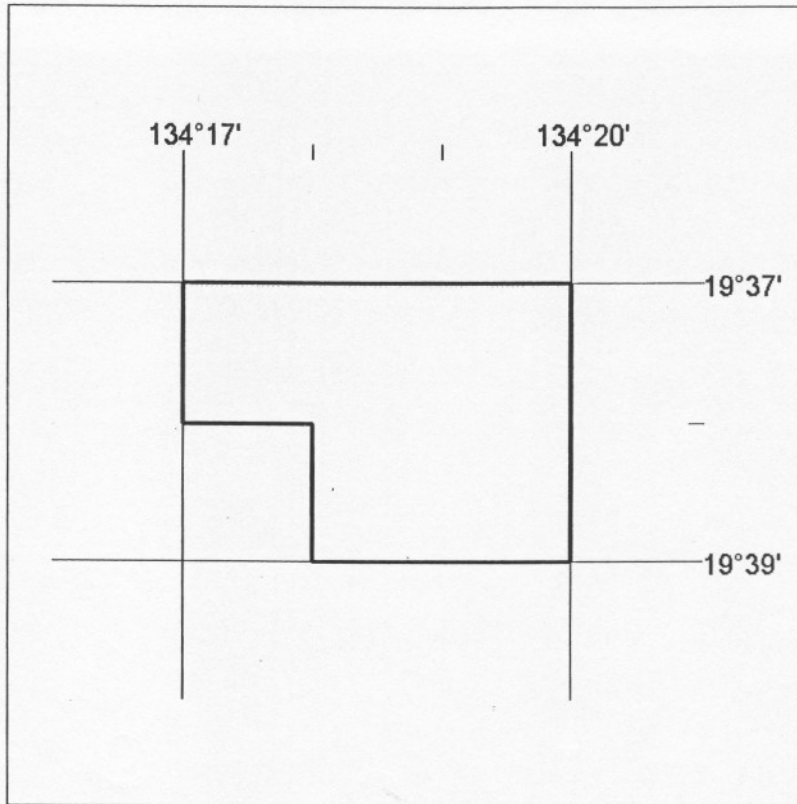
10. Rehabilitation.....	0
<b>TOTAL</b>	<b>\$3,000</b>

Estimated expenditure for the second year is \$3,000.

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

J. Cahill  
*EXPLORATION GEOLOGIST*



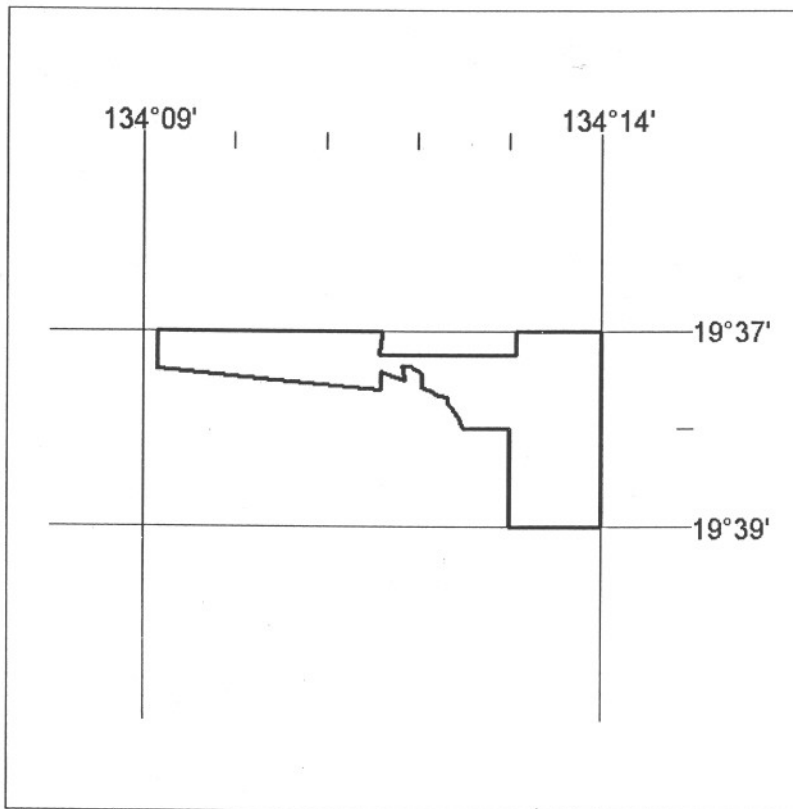


**EL9958**  
**5 Blocks**  
**16.17 sq kms**

GIANTS REEF EXPLORAITON PTY LTD			
TENNANT CREEK NORTHERN TERRITORY			
AREA	EL 9958 <i>Running Bear</i>		
MAP REF.	5758 TENNANT CREEK 1:100 000		
SUBJECT	<b>Year 1 Licence Area</b> DME SECOND SCHEDULE		
DATE	AUTHOR	SCALE	
MAY 2003	DBIRD		<b>FIGURE 2</b>

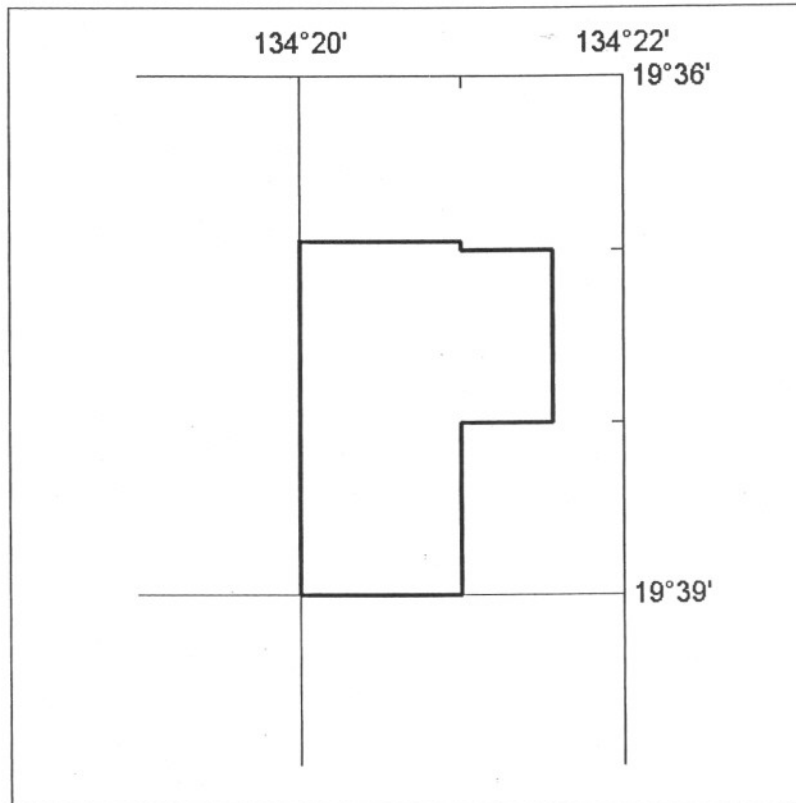






**EL10124**  
**6 Blocks**  
**12.60 sq kms**

GIANTS REEF EXPLORAITON PTY LTD			
TENNANT CREEK NORTHERN TERRITORY			
AREA	EL 10124 <i>Speedway</i>		
MAP REF.	5758 TENNANT CREEK 1:100 000		
SUBJECT	<b>Year 1 Licence Area</b> <i>DME SECOND SCHEDULE</i>		
DATE	AUTHOR	SCALE	
MAY 2003	DBIRD		<b>FIGURE 4</b>

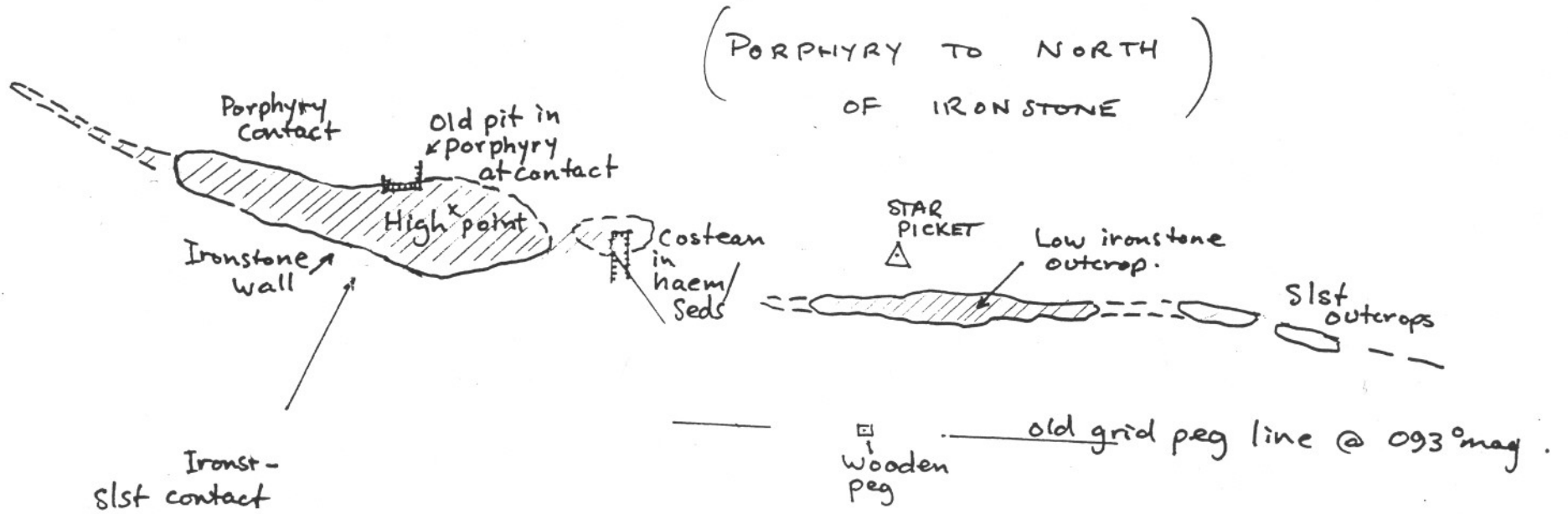


**EL10313**  
**4 Blocks**  
**8.47 sq kms**

<b>GIANTS REEF EXPLORAITON PTY LTD</b> TENNANT CREEK NORTHERN TERRITORY			
AREA	EL 10313 <i>Kodiak</i>		
MAP REF.	5758 TENNANT CREEK 1:100 000		
SUBJECT	<b>Year 1 Licence Area</b> <i>DME SECOND SCHEDULE</i>		
DATE	AUTHOR	SCALE	
MAY 2003	DBIRD		<b>FIGURE 5</b>

EL 9958 Running Bear, EL 10114 Mc Dougall Ranges, EL 10124 Speedway, EL 10313 Kodiak  
 FIRST COMBINED ANNUAL REPORT 1 May 2003 - 31 May 2004

GIANTS REEF EXPLORATION PTY LTD			
TENNANT CREEK NORTHERN TERRITORY			
AREA	EL 10124 Speedway		
MAP REF.	5758 TENNANT CREEK 1:100 000		
SUBJECT	Irish Emblem Mine Geological Map		
DATE	AUTHOR	SCALE	
JUNE 2003	PGS	1:500	FIGURE 6



Approx AMG Location:

413700E

7830100N

Scale 1:500





GIANTS REEF  
MINING LIMITED

# GIANTS REEF MINING LIMITED

## ***HARD COPY REPORT META DATA FORM***

REPORT NAME: EL 9958 *Running Bear*, EL 10114 *Mc Dougall Ranges*,  
EL 10124 *Speedway*, EL 10313 *Kodiak* FIRST  
COMBINED ANNUAL REPORT 1 MAY 2003 – 31  
MAY 2004.

PROSPECT NAMES(s): RUNNING BEAR, MC DOUGALL RANGES,  
SPEEDWAY, KODIAK.

GROUP PROSPECT NAME:

TENEMENT NUMBERS(s): EL 9958, EL 10114, EL 10124, EL 10313.

ANNIVERSARY DATE: 1<sup>ST</sup> MAY 2004.

OWNER/JV PARTNERS: GIANTS REEF EXPLORATION PTY LTD

AUTHOR(s): J.L.CAHILL

COMMODITIES: GOLD, COPPER.

MAPS 1:250 000: TENNANT CREEK SE53-14

MAPS 1:100 000: TENNANT CREEK 5658

MAPS 1:25 000:

TECTONIC UNIT(s): TENNANT CREEK INLIER

STRATIGRAPHIC NAME(s): WARRAMUNGA FORMATION

AMF GENERAL TERMS:

AMF TARGET MINERALS: GOLD, BISUMITH

AMF GEOPHYSICAL: MAGNETICS INTERP.

AMF GEOCHEMICAL:

AMF DRILL SAMPLING:

HISTORIC MINES: GREAT BEAR, TRUMP, IRISH EMBLEM,  
SHAMROCK, BURNT SHIRT, ACE HIGH, ORTELLE  
STAR, WEDGE, KATHLEEN, LEICHARDT

DEPOSITS:

PROSPECTS: BURNT SHIRT

KEYWORDS: EL 9958, EL 10114, EL 10124, EL 10313, RUNNING  
BEAR, MC DOUGALL RANGES, SPEEDWAY,  
KODIAK,