

## Quarterly Report for the Period Ending 30 June 2015

30 July 2015

### Emmerson Resources Limited

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**ASX Code:** ERM  
377.6 million Ordinary shares

**Market Cap**  
~A\$11.3 million (@ \$0.03)

**Available Cash**  
A\$3.2 million (30-06-15)

**Shares in Evolution Mining Ltd**  
A\$2.9 million (30-06-15)

**Board of Directors**  
Andrew McIlwain  
Non-executive Chairman

Rob Bills  
Managing Director & CEO

Allan Trench  
Non-executive Director

**Investor Relations**  
Phil Retter  
NWR Communications  
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### Highlights

- Co-funding secured from NT Government for deep diamond drilling down plunge of the historic Gecko copper mine.
- Significant copper sulphide mineralisation intersected in the pre-collar of the first deep hole GODD032. Assay results pending.
- GODD032 continues to track ~400m underneath the Gecko deposit and is encountering alteration and structures consistent with interpretation of the recent 2D seismic traverse.
- 60km long, 2D seismic traverse completed - co-funded by the NT Government.
- 28,000m drilling program for the September quarter approved - fully funded by partner Evolution Mining.
- Drilling will test a range of new regional greenfields targets and also near mine targets at the Chariot mine.
- Cash and listed investments of \$6.1 million at quarter end.

Emmerson's Managing Director, Rob Bills, commented, "This quarter was mainly focussed on the early stage generative end of the project pipeline, setting up the next quarter for aggressive drill testing across both greenfield and near-mine/brownfields targets. The greenfields targets have been generated from a new predictive targeting model where key geological, geochemical and geophysical attributes of the known big deposits in Tennant Creek are used to prioritise new areas. Field verification of these has highlighted some outstanding targets, including the Mauretania area where prospectors have discovered gold nuggets.

This quarter also saw the commencement of the first deep drill hole, which is testing a variety of geological and structural targets derived from a recent 2D seismic survey beneath the historic Gecko mine. The presence of copper sulphides in the pre-collar of this hole has provided some early validation of this technique.

Pleasingly we remain in a strong financial position with cash and listed investments maintained at a healthy ~\$6m, and one of the few junior companies that have fully funded exploration programs under the \$15m earn-in from our partner Evolution Mining."

## Tennant Creek gold-copper project

### Eastern Project Area

The Eastern Project Area (EPA) is approximately 500km<sup>2</sup> in area and is mostly covered by sand apart from isolated outcropping ironstones (Figure 1). This combined with the fact that the EPA did not fit the conventional Tennant Creek “magnetite ironstone model” resulted in little historic exploration attention. However, limited drilling around some of the few outcropping hematite ironstones did return some spectacular gold intercepts (eg. drill hole FAR005 at Billy Boy which intersected 15m at 47.7g/t Au, 2.23% Cu and 1.24% Bi within hematite-jasper ironstone).

During the quarter, Emmerson completed a second campaign of rotary air blast (RAB) and diamond drilling largely focussed on the Billy Boy prospect within the EPA. This program was fully funded by Emmerson’s partner, Evolution Mining Ltd (Evolution). The RAB drilling was aimed at better defining the best gold-bismuth bedrock anomalies identified during the 2014 RAB program, with 5 additional diamond holes completed to provide a better understanding of the underlying geology.

The 19,760m of RAB drilling completed at Billy Boy successfully identified a large zone of iron, bismuth and sporadic gold anomalism centred on the Blue Moon prospect area. Further work on this area will include a reassessment of the historic Blue Moon gold mine. In addition 5 diamond drill holes (766.8m) successfully verified the underlying geology within the Billy Boy project area, in particular the presence of the “hematite shale” horizon which is associated with high-grade gold mineralisation at most major deposits within the TCMF.

Project generation activities within the larger Eastern Project Area have identified a number of new high calibre targets that will be advanced in the next quarter. These projects were generated from a new predictive targeting model where key geological, geochemical and geophysical attributes that are strongly correlated with the known big deposits in Tennant Creek Mineral Field (TCMF) are used to prioritise areas for field verification. Priority targets including Mauretania, Black Cat, Sunrise and Mulga will be tested in the next quarter by a combination of RAB, RC and diamond drilling (Figure 1).

### Northern Project Area

During the quarter, Emmerson successfully secured landmark co-funding from the Northern Territory Government. The funding, which has been provided through the Creating Opportunities for Resource Exploration (CORE), will be for two initiatives:

- Deep diamond drilling to test for gold potential beneath the historic Gecko copper mine (Figure 2).
- A 60km line of regional 2D seismic reflection to better refine the underlying geology and controls to mineralisation within the TCMF.

The deep drilling under Gecko is underway and is guided by a new structural interpretation based on detailed 2D seismic reflection geophysics. The Gecko mine including the recently discovered Goanna and Monitor mineralisation stretches over a strike extent of 2.7km and represents the largest mineralising system in the mineral field. Yet, to date the mineralisation constitutes mostly copper sulphides and based on many of the other historical deposits in the field, should also contain gold beneath the copper dominant zone.

The first 1,200m deep drill hole commenced in July to test for gold mineralisation, some 400m beneath the historic underground Gecko Mine (Figure 3). The RC pre-collar to this hole (GODD032) intersected multiple zones of copper sulphide mineralisation associated with quartz - chlorite veins, analogous to the recently discovered Goanna mineralisation some 800m to the east (Figures 4 & 5). Further infill drilling will be required to confirm this as it has important economic implications with regard to adding additional copper resources close to the existing mine development. Samples have been dispatched for analysis.

## Regional

As part of the CORE initiative, a single 60km line of regional 2D seismic reflection was completed across the TCMF in June 2015. The line traversed the Stuart Highway with a minor bypass around the Tennant Creek town site. Preliminary depth migrated data has been received and will be used to characterise the regional structural architecture and major fluid bearing structures within the mineral field.

## September Quarter Activities

Following a meeting in early July with Evolution, an aggressive 28,000m drilling program was approved for the September quarter involving the drill testing of a variety of high calibre gold targets including:

- 12,000m of regional geochemical RAB drilling over a number of targets within the EPA. This program will assist in developing drill targets along a newly discovered shear zone at Mauretania, Black Cat and Sunrise prospects (see Figure 1). Interestingly local prospectors using metal detectors have found gold nuggets in the vicinity of this shear zone at Mauretania;
- 12,000m of RC drilling spread across a newly identified buried ironstone at Mauretania and priority targets at Arizona and Zinfandel plus further drilling at Chariot East and;
- 4,000m of diamond drilling to test a range of deeper targets at the Mulga prospect and potential new ore shoots identified from “off hole” magnetics at the historic high grade Chariot mine.

## Corporate

### Capital Structure

During the quarter, 2,000,000 unlisted options at an exercise price of \$0.0485 lapsed unexercised and were cancelled by the Company. The capital structure of Emmerson following the cancellation is:

Quoted Securities:

- 377,636,454 ordinary fully paid shares (ASX: ERM)

Unquoted Securities:

- 7,000,000 options at an exercise price of \$0.0485 expiring on 31/12/17 (ERMAA)
- 1,293,750 Performance Rights (ERMAI)

### Announcements

The Company has made the following announcements since the start of the quarter.

14 April 2015	New Gold Zones and 18,000m Drill Campaign to Commence
20 April 2015	Investor Presentation – Fully Funded Drill Campaign Commences
30 April 2015	Quarterly Activities and Cashflow Report
22 May 2015	ERM Completes Drilling and Secures Co-funding
12 June 2015	Change of Share Registry Address
18 June 2015	Seismic Survey Commences
25 June 2015	Release of Securities from Escrow
30 June 2015	Lapse of Unlisted Options
15 July 2015	Significant Copper Sulphides Intersected



**Mr. Rob Bills**  
**Managing Director and Chief Executive Officer**

### **About Tennant Creek and Emmerson Resources**

The Tennant Creek Mineral Field (TCMF) is one of Australia's highest grade gold and copper fields producing over 5.5 million ounces of gold and 470,000 tonnes of copper from a variety of deposits including Gecko, Orlando, Warrego, White Devil, Chariot and Golden Forty, all of which are within Emmerson Resources (ASX: ERM) exploration and joint venture portfolio. These deposits are considered to be highly valuable exploration targets and, utilising modern exploration techniques, Emmerson has been successful in discovering copper and gold mineralisation at Goanna and Monitor in late 2011, the first discoveries in the TCMF for over a decade. To date, Emmerson has only covered 5.5% of the total tenement package (in area) with these innovative exploration techniques and is confident that, with further exploration, more such discoveries will be made.

Emmerson holds 2,500km<sup>2</sup> of ground in the TCMF, owns the only gold mill in the region and holds a substantial geological database plus extensive infrastructure and equipment. Emmerson has consolidated 95% of the highly prospective TCMF where only 8% of the historical drilling has penetrated below 150m.

Emmerson is led by a board and management group of experienced Australian mining executives including former MIM and WMC mining executive Andrew McIlwain as non-executive chairman, and former senior BHP Billiton and WMC executive Rob Bills as Managing Director and CEO.

Pursuant to Farm-in agreement entered into with Evolution Mining Limited (Evolution) on 11 June 2014, Evolution is currently sole funding exploration expenditure of \$15 million over three years to earn a 65% interest (Stage 1 Farm-in) in Emmerson's tenement holdings in the TCMF. An option to spend a further \$10 million minimum, sole funded by Evolution over two years following the Stage 1 Farm-in, would enable Evolution to earn an additional 10% (Stage 2 Farm-in) of the tenement holdings. Evolution must spend a minimum of \$7.5 million on exploration, or pay Emmerson the balance in cash, before it can terminate the farm-in. Emmerson is acting as manager during the Stage 1 Farm-in and is receiving a management fee during this period. Exploration expenditure attributable to the Stage 1 Farm-in to date is approximately \$5 million.

### **About Evolution Mining**

Evolution Mining (ASX:EVN, [www.evolutionmining.com.au](http://www.evolutionmining.com.au)) is a leading, growth-focused Australian gold miner. The Company operates five wholly-owned mines – Cracow, Mt Carlton, Mt Rawdon and Pajingo in Queensland and Edna May in Western Australia.

Group production for FY15 totalled 437,570 ounces gold equivalent at an All-In Sustaining Cost of A\$1,036 per ounce.

## **Regulatory Information**

*The Company does not suggest that economic mineralisation is contained in the untested areas. Any information relating to historical drilling records have been compiled, reviewed and verified as best as the Company was able. As outlined in this announcement the Company is planning further drilling programs to understand the geology, structure and potential of these untested areas. The Company cautions investors against using this announcement solely as a basis for investment decisions without regard for this disclaimer.*

## **Competency Statement**

*The information in this report which relates to Exploration Results is based on information compiled by Mr Steve Russell BSc, Applied Geology (Hons), MAIG, MSEG. Mr Russell is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition and the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Russell is a full time employee of the Company and consents to the inclusion in this report of the matters based on his information in the form and context in which it appears (attachments: Figures 1, 2, 3, 4 & 5, and Table 1 & Table 2). Mr Russell holds an interest in the following securities in the Company: 500,000 Shares and 112,500 Performance Rights.*

*The information in this report which relates to Mineral Resources is based upon information compiled by Mr Ian Glacken, who is a Fellow of the Australasian Institute of Mining and Metallurgy. Ian Glacken is an employee of Optiro Pty Ltd and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition and the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Ian Glacken consents to the inclusion in this report of a summary based upon his information in the form and context in which it appears.*



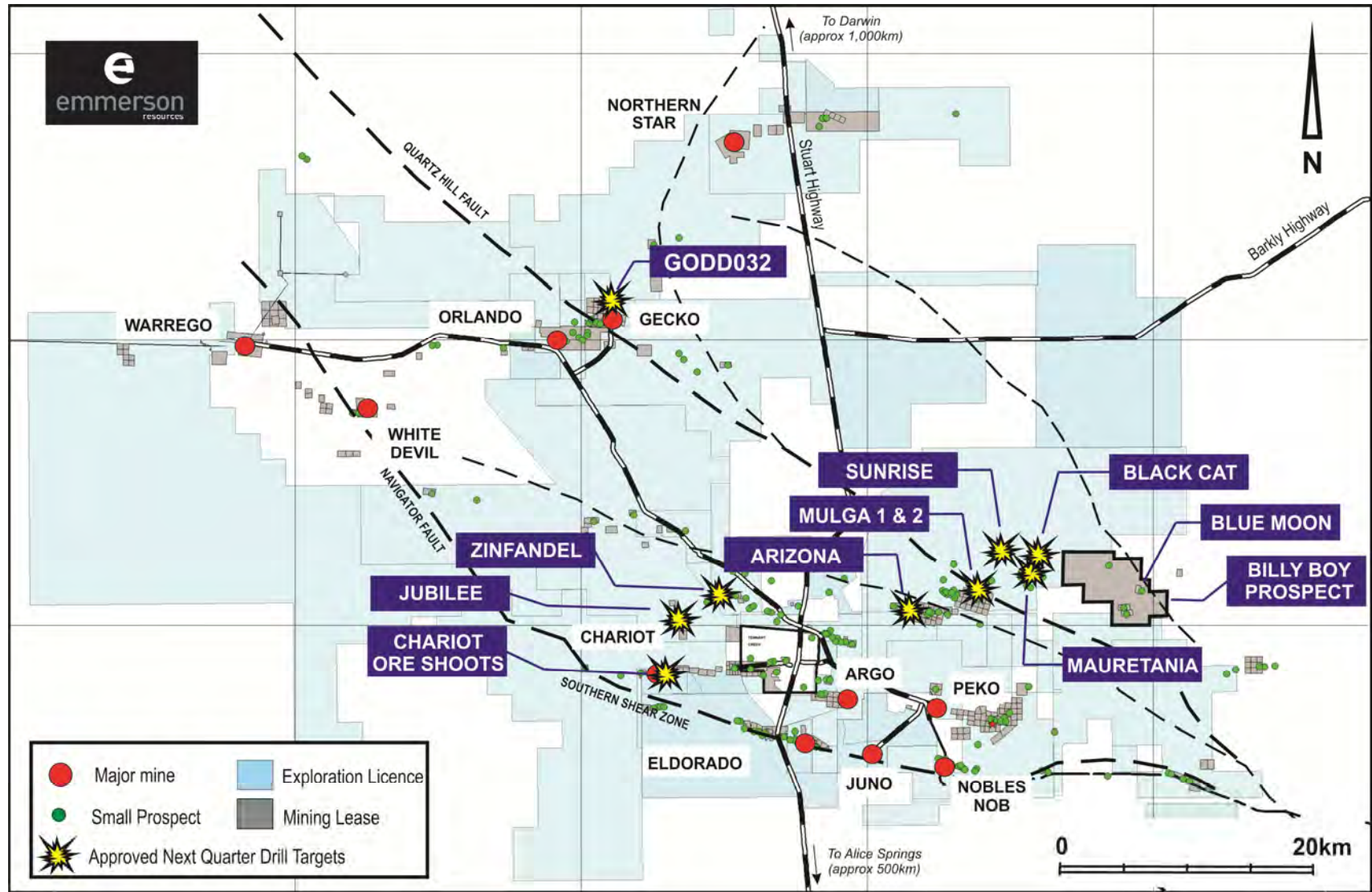


Figure 1: Emmerson's Tennant Creek project area, including the Eastern Project Area



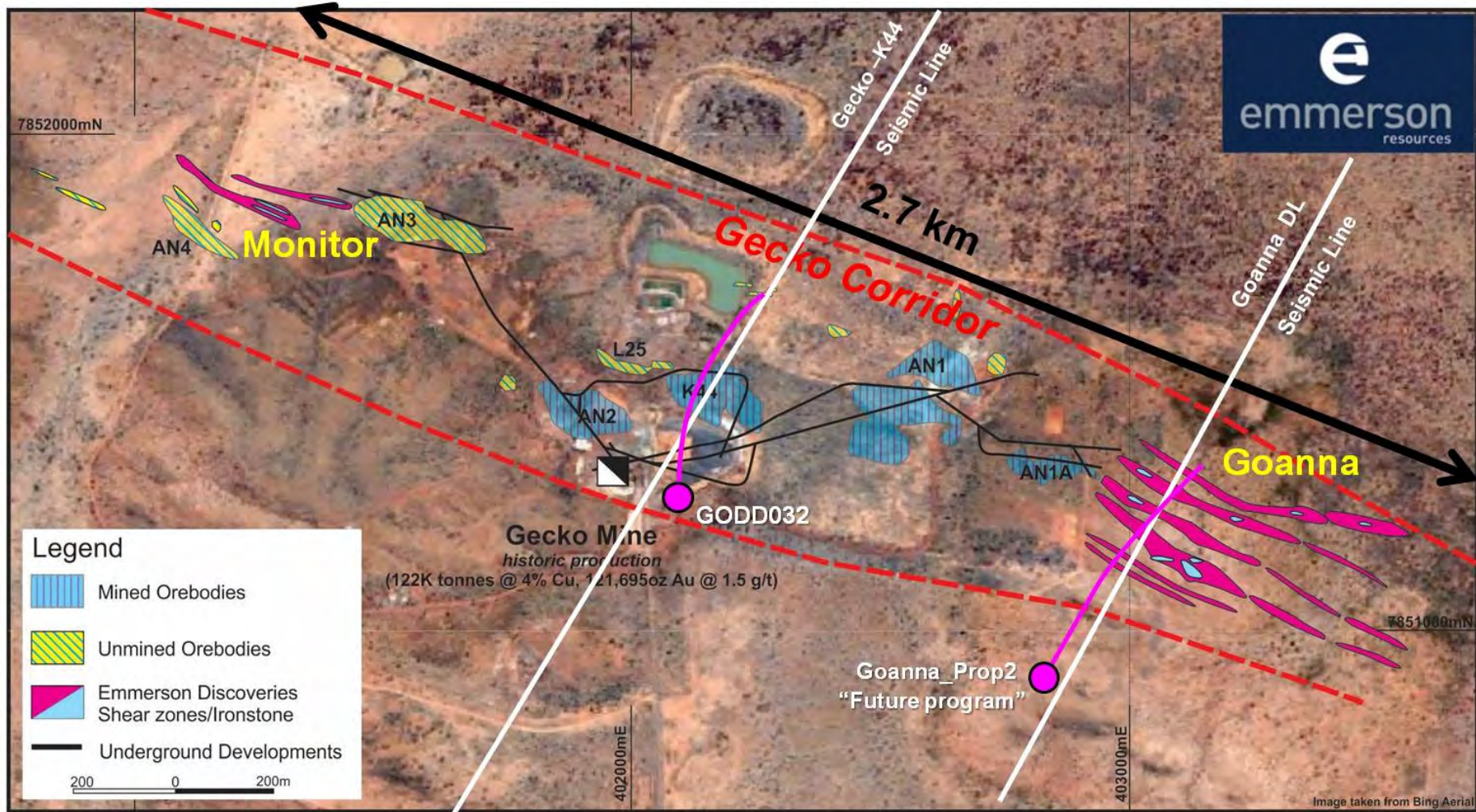
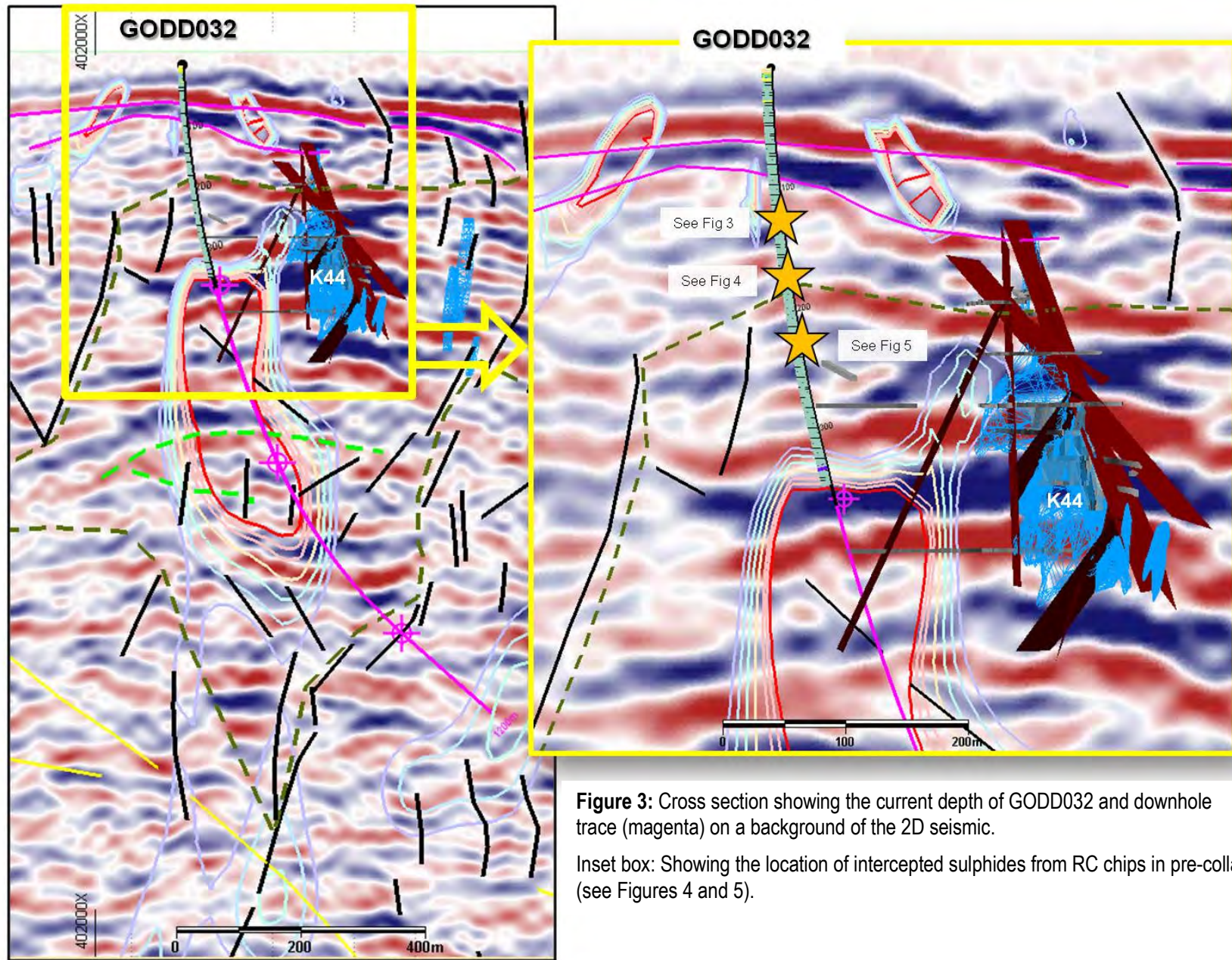


Figure 2: Plan view of the Gecko Corridor, showing the location of the first deep hole (GODD032), position of the 2D seismic lines and location of the Goanna prospect.

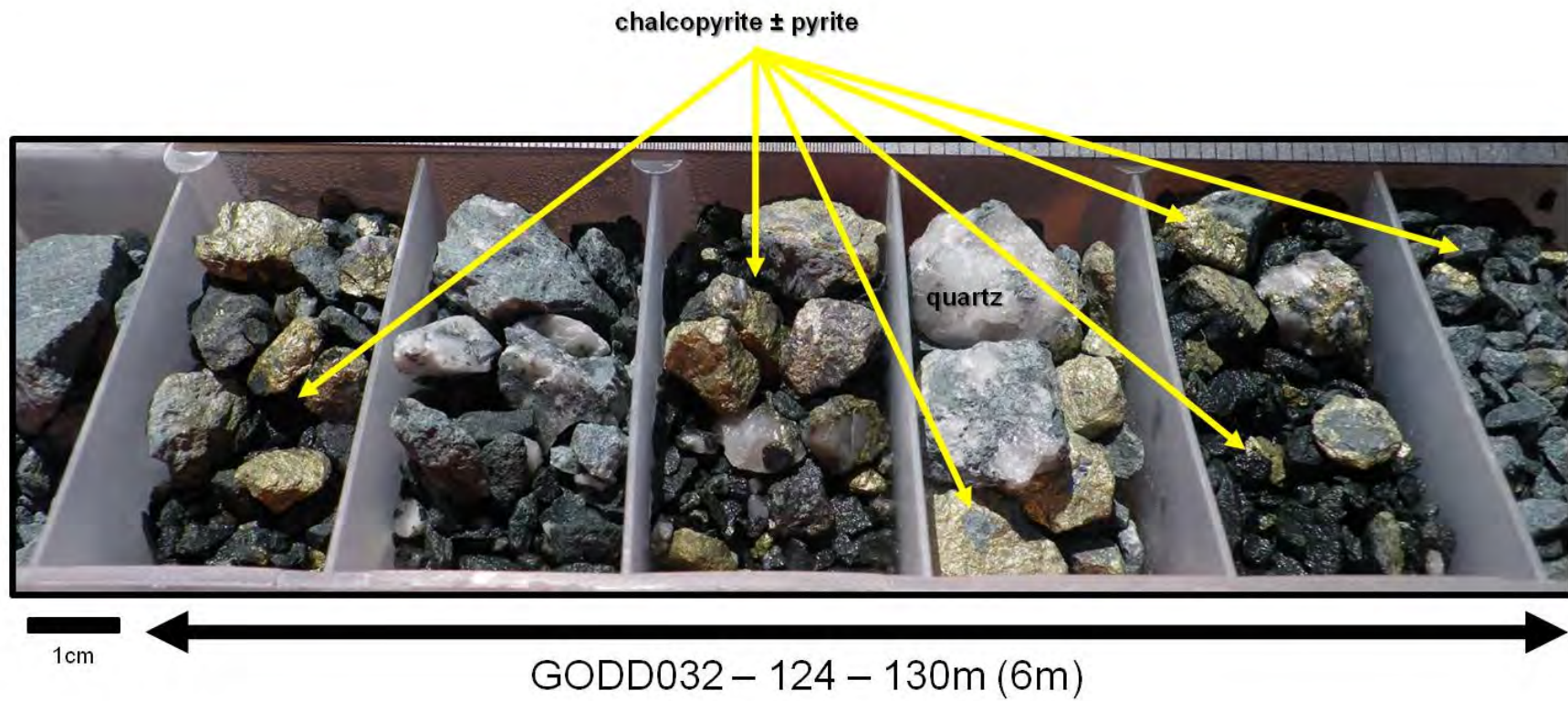




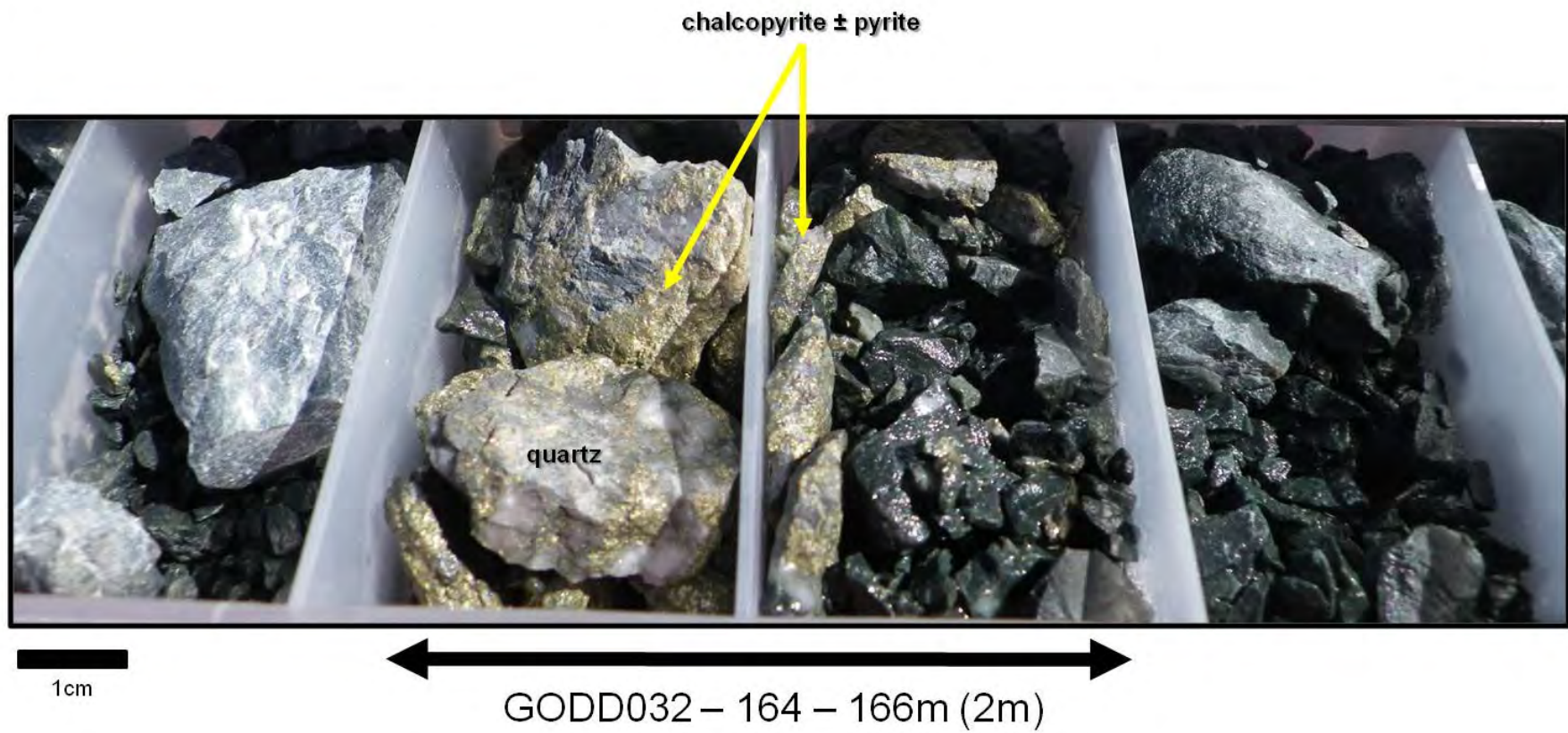
**Figure 3:** Cross section showing the current depth of GODD032 and downhole trace (magenta) on a background of the 2D seismic.

Inset box: Showing the location of intercepted sulphides from RC chips in pre-collar (see Figures 4 and 5).





**Figure 4:** GODD032 RC chips showing chalcopyrite – pyrite on white quartz veins



**Figure 5:** GODD032 RC chips showing chalcopyrite – pyrite on white quartz veins

**Table 1: Quarterly drill holes and collar co-ordinates**

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	FAR064	436941	7832836	309.4	-90.0	0.0		102					102	ML 22284	38	RC
Billy Boy	BBDD001	440282	7831586	316.9	-60.0	221.0					162.2		<b>162.2</b>	ML 22284		DDH
Billy Boy	BBDD002	435096	7834432	309.3	-60.0	6.5					150.3		<b>150.3</b>	ML 22284		DDH
Billy Boy	BBDD003	439047	7833108	314.8	-60.0	225.5					85	65.2	<b>150.2</b>	ML 22284		DDH
Billy Boy	BBDD004	438344	7831109	318.1	-60.0	225.5					100.0	53.5	<b>153.5</b>	ML 22284		DDH
Billy Boy	BBDD005	437177	7831627	312.5	-60.0	45.5					150.6		<b>150.6</b>	ML 22284		DDH
Billy Boy	BBRB270	437132	7831582	310.0	-60.0	232.6	48						48	ML 22284	12	RAB
Billy Boy	BBRB271	437070	7831532	310.0	-60.0	232.6	51						51	ML 22284	13	RAB
Billy Boy	BBRB272	437007	7831484	310.0	-60.0	232.6	51						51	ML 22284	13	RAB
Billy Boy	BBRB273	436434	7831845	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB274	436495	7831893	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB275	436562	7831935	310.0	-60.0	227.2	48						48	ML 22284	13	RAB
Billy Boy	BBRB276	436621	7831994	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB277	436684	7832052	310.0	-60.0	227.2	48						48	ML 22284	11	RAB
Billy Boy	BBRB278	436742	7832095	310.0	-60.0	227.2	45						45	ML 22284	13	RAB
Billy Boy	BBRB279	436811	7832140	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB280	436875	7832187	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB281	436941	7832232	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB282	437001	7832291	310.0	-60.0	227.2	23						23	ML 22284	5	RAB
Billy Boy	BBRB283	437058	7832343	310.0	-60.0	227.2	13						13	ML 22284	4	RAB
Billy Boy	BBRB284	437124	7832392	310.0	-60.0	227.2	42						42	ML 22284	11	RAB
Billy Boy	BBRB285	437187	7832442	310.0	-60.0	227.2	43						43	ML 22284	11	RAB
Billy Boy	BBRB286	437245	7832485	310.0	-60.0	227.2	21						21	ML 22284	5	RAB
Billy Boy	BBRB287	437315	7832537	310.0	-60.0	227.2	25						25	ML 22284	6	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB288	437375	7832586	310.0	-60.0	227.2	38						38	ML 22284	11	RAB
Billy Boy	BBRB289	437440	7832635	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB290	437498	7832681	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB291	437567	7832738	310.0	-60.0	227.2	31						31	ML 22284	7	RAB
Billy Boy	BBRB292	437612	7832777	310.0	-60.0	227.2	12						12	ML 22284	16	RAB
Billy Boy	BBRB293	437740	7832880	310.0	-60.0	227.2	46						46	ML 22284	12	RAB
Billy Boy	BBRB294	437867	7832968	310.0	-60.0	227.2	48						48	ML 22284	-1	RAB
Billy Boy	BBRB295	437998	7833075	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB296	438114	7833175	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB297	438244	7833268	310.0	-60.0	227.2	41						41	ML 22284	11	RAB
Billy Boy	BBRB298	438375	7833368	310.0	-60.0	227.2	45						45	ML 22284	12	RAB
Billy Boy	BBRB299	438503	7833475	310.0	-60.0	227.2	37						37	ML 22284	10	RAB
Billy Boy	BBRB300	438567	7833516	310.0	-60.0	227.2	48						48	ML 22284	10	RAB
Billy Boy	BBRB301	438635	7833573	310.0	-60.0	227.2	34						34	ML 22284	9	RAB
Billy Boy	BBRB302	438691	7833628	310.0	-60.0	227.2	26						26	ML 22284	7	RAB
Billy Boy	BBRB303	438754	7833676	310.0	-60.0	227.2	31						31	ML 22284	8	RAB
Billy Boy	BBRB304	438821	7833726	310.0	-60.0	227.2	43						43	ML 22284	11	RAB
Billy Boy	BBRB305	438877	7833771	310.0	-60.0	227.2	44						44	ML 22284	10	RAB
Billy Boy	BBRB306	437194	7830916	310.0	-60.0	227.2	81						81	ML 22284	23	RAB
Billy Boy	BBRB307	437251	7830962	310.0	-60.0	227.2	48						48	ML 22284	11	RAB
Billy Boy	BBRB308	437313	7831017	310.0	-60.0	227.2	63						63	ML 22284	17	RAB
Billy Boy	BBRB309	437379	7831071	310.0	-60.0	227.2	55						55	ML 22284	14	RAB
Billy Boy	BBRB310	437443	7831130	310.0	-60.0	227.2	66						66	ML 22284	17	RAB
Billy Boy	BBRB311	437501	7831174	310.0	-60.0	227.2	65						65	ML 22284	18	RAB
Billy Boy	BBRB312	437563	7831221	310.0	-60.0	227.2	76						76	ML 22284	20	RAB
Billy Boy	BBRB313	437622	7831266	310.0	-60.0	227.2	80						80	ML 22284	21	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB314	437805	7831423	310.0	-60.0	227.2	92						92	ML 22284	25	RAB
Billy Boy	BBRB315	437872	7831469	310.0	-60.0	227.2	51						51	ML 22284	13	RAB
Billy Boy	BBRB316	437926	7831531	310.0	-60.0	227.2	48						48	ML 22284	11	RAB
Billy Boy	BBRB317	437983	7831588	310.0	-60.0	227.2	54						54	ML 22284	15	RAB
Billy Boy	BBRB318	438046	7831635	310.0	-60.0	227.2	60						60	ML 22284	15	RAB
Billy Boy	BBRB319	438105	7831683	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB320	438168	7831738	310.0	-60.0	227.2	67						67	ML 22284	18	RAB
Billy Boy	BBRB321	438236	7831788	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB322	438293	7831837	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB323	438349	7831888	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB324	438415	7831937	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB325	438473	7831990	310.0	-60.0	227.2	43						43	ML 22284	11	RAB
Billy Boy	BBRB326	438753	7832218	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB327	438878	7832317	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB328	438940	7832370	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB329	439000	7832428	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB330	439063	7832478	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB331	439122	7832531	310.0	-60.0	227.2	53						53	ML 22284	14	RAB
Billy Boy	BBRB332	439183	7832579	310.0	-60.0	227.2	45						45	ML 22284	13	RAB
Billy Boy	BBRB333	439242	7832627	310.0	-60.0	227.2	34						34	ML 22284	8	RAB
Billy Boy	BBRB334	439366	7832732	310.0	-60.0	227.2	54						54	ML 22284	14	RAB
Billy Boy	BBRB335	438106	7830212	310.0	-60.0	227.2	48						48	ML 22284	12	RAB
Billy Boy	BBRB336	438226	7830321	310.0	-60.0	227.2	48						48	ML 22284	13	RAB
Billy Boy	BBRB337	438344	7830427	310.0	-60.0	223.1	48						48	ML 22284	11	RAB
Billy Boy	BBRB338	438464	7830536	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB339	438520	7830586	310.0	-60.0	223.1	41						41	ML 22284	11	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB340	438580	7830642	310.0	-60.0	223.1	27						27	ML 22284	7	RAB
Billy Boy	BBRB341	438640	7830692	310.0	-60.0	223.1	18						18	ML 22284	5	RAB
Billy Boy	BBRB342	438698	7830743	310.0	-60.0	223.1	37						37	ML 22284	9	RAB
Billy Boy	BBRB343	438812	7830852	310.0	-60.0	223.1	27						27	ML 22284	7	RAB
Billy Boy	BBRB344	438934	7830961	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB345	438990	7831009	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB346	439057	7831059	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB347	439115	7831113	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB348	439175	7831166	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB349	439231	7831226	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB350	439288	7831284	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB351	439468	7831445	310.0	-60.0	223.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB352	439588	7831550	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB353	439646	7831607	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB354	439708	7831661	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB355	439764	7831712	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB356	439821	7831762	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB357	439881	7831819	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB358	439943	7831878	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB359	440001	7831927	310.0	-60.0	223.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB360	440058	7831980	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB361	440178	7832086	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB362	440296	7832193	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB363	440142	7830741	310.0	-60.0	223.1	35						35	ML 22284	9	RAB
Billy Boy	BBRB364	440258	7830866	310.0	-60.0	223.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB365	440309	7830918	310.0	-60.0	220.1	39						39	ML 22284	9	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB366	440368	7830979	310.0	-60.0	220.1	31						31	ML 22284	8	RAB
Billy Boy	BBRB367	440419	7831036	310.0	-60.0	220.1	38						38	ML 22284	10	RAB
Billy Boy	BBRB368	440490	7831102	310.0	-60.0	220.1	16						16	ML 22284	4	RAB
Billy Boy	BBRB369	440535	7831144	310.0	-60.0	220.1	14						14	ML 22284	3	RAB
Billy Boy	BBRB370	440595	7831196	310.0	-60.0	220.1	22						22	ML 22284	5	RAB
Billy Boy	BBRB371	440652	7831252	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB372	440706	7831322	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB373	440816	7831448	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB374	434217	7833198	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB375	434255	7833353	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB376	434279	7833427	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB377	434302	7833503	310.0	-60.0	220.1	39						39	ML 22284	11	RAB
Billy Boy	BBRB378	434322	7833579	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB379	434341	7833658	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB380	434364	7833733	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB381	434387	7833807	310.0	-60.0	220.1	35						35	ML 22284	9	RAB
Billy Boy	BBRB382	434405	7833885	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB383	434425	7833964	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB384	434466	7834112	310.0	-60.0	220.1	45						45	ML 22284	11	RAB
Billy Boy	BBRB385	434503	7834268	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB386	434552	7834424	310.0	-60.0	220.1	45						45	ML 22284	13	RAB
Billy Boy	BBRB387	434600	7834577	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB388	434638	7834722	310.0	-60.0	220.1	27						27	ML 22284	6	RAB
Billy Boy	BBRB389	434687	7834883	310.0	-60.0	220.1	30						30	ML 22284	8	RAB
Billy Boy	BBRB390	434720	7835037	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB391	435042	7833150	310.0	-60.0	220.1	25						25	ML 22284	7	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB392	435074	7833223	310.0	-60.0	220.1	47						47	ML 22284	12	RAB
Billy Boy	BBRB393	435101	7833298	310.0	-60.0	220.1	62						62	ML 22284	17	RAB
Billy Boy	BBRB394	435128	7833378	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB395	435159	7833449	310.0	-60.0	220.1	39						39	ML 22284	12	RAB
Billy Boy	BBRB396	435192	7833524	310.0	-60.0	220.1	45						45	ML 22284	10	RAB
Billy Boy	BBRB397	435223	7833598	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB398	435251	7833670	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB399	435278	7833744	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB400	435309	7833821	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB401	435339	7833895	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB402	435372	7833963	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB403	435397	7834038	310.0	-60.0	220.1	33						33	ML 22284	8	RAB
Billy Boy	BBRB404	435456	7834185	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB405	435521	7834333	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB406	435581	7834481	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB407	435639	7834628	310.0	-60.0	220.1	27						27	ML 22284	7	RAB
Billy Boy	BBRB408	435700	7834778	310.0	-60.0	220.1	61						61	ML 22284	16	RAB
Billy Boy	BBRB409	435757	7834917	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB410	435757	7832751	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB411	435866	7832866	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB412	435976	7832985	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB413	436028	7833044	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB414	436084	7833102	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB415	436138	7833156	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB416	436198	7833215	310.0	-60.0	220.1	35						35	ML 22284	9	RAB
Billy Boy	BBRB417	436255	7833270	310.0	-60.0	220.1	39						39	ML 22284	10	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB418	436313	7833337	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB419	436363	7833386	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB420	436417	7833442	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB421	436468	7833499	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB422	436530	7833562	310.0	-60.0	220.1	34						34	ML 22284	9	RAB
Billy Boy	BBRB423	436587	7833617	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB424	436638	7833672	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB425	436749	7833786	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB426	436861	7833900	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB427	436257	7832076	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB428	436324	7832132	310.0	-60.0	220.1	39						39	ML 22284	11	RAB
Billy Boy	BBRB429	436380	7832172	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB430	436450	7832224	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB431	436510	7832274	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB432	436575	7832331	310.0	-60.0	220.1	45						45	ML 22284	13	RAB
Billy Boy	BBRB433	436631	7832381	310.0	-60.0	220.1	36						36	ML 22284	8	RAB
Billy Boy	BBRB434	436698	7832433	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB435	436760	7832482	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB436	436823	7832531	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB437	436884	7832584	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB438	436950	7832634	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB439	437011	7832686	310.0	-60.0	220.1	37						37	ML 22284	9	RAB
Billy Boy	BBRB440	437071	7832732	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB441	437131	7832779	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB442	437197	7832837	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB443	437260	7832880	310.0	-60.0	220.1	39						39	ML 22284	10	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB444	437330	7832932	310.0	-60.0	220.1	33						33	ML 22284	8	RAB
Billy Boy	BBRB445	437387	7832977	310.0	-60.0	220.1	40						40	ML 22284	11	RAB
Billy Boy	BBRB446	437450	7833021	310.0	-60.0	220.1	38						38	ML 22284	10	RAB
Billy Boy	BBRB447	437510	7833072	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB448	437577	7833130	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB449	437638	7833173	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB450	437857	7833367	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB451	437921	7833411	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB452	437981	7833457	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB453	438041	7833506	310.0	-60.0	220.1	35						35	ML 22284	8	RAB
Billy Boy	BBRB454	438344	7833753	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB455	438410	7833804	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB456	438473	7833852	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB457	438540	7833907	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB458	438598	7833957	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB459	438666	7834005	310.0	-60.0	220.1	48						48	ML 22284	11	RAB
Billy Boy	BBRB460	438738	7834050	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB461	438788	7834098	310.0	-60.0	220.1	42						42	ML 22284	13	RAB
Billy Boy	BBRB462	438850	7834151	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB463	440462	7830654	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB464	440517	7830720	310.0	-60.0	220.1	48						48	ML 22284	13	RAB
Billy Boy	BBRB465	440572	7830777	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB466	440630	7830830	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB467	440687	7830884	310.0	-60.0	220.1	43						43	ML 22284	11	RAB
Billy Boy	BBRB468	440740	7830943	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB469	440799	7831005	310.0	-60.0	220.1	45						45	ML 22284	11	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB470	440852	7831064	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB471	440906	7831122	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB472	440117	7831079	310.0	-60.0	220.1	46						46	ML 22284	13	RAB
Billy Boy	BBRB473	440165	7831141	310.0	-60.0	220.1	46						46	ML 22284	11	RAB
Billy Boy	BBRB474	440222	7831195	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB475	440279	7831247	310.0	-60.0	220.1	30						30	ML 22284	8	RAB
Billy Boy	BBRB476	440338	7831306	310.0	-60.0	220.1	28						28	ML 22284	7	RAB
Billy Boy	BBRB477	440392	7831357	310.0	-60.0	220.1	28						28	ML 22284	6	RAB
Billy Boy	BBRB478	440454	7831416	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB479	440508	7831476	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB480	440561	7831531	310.0	-60.0	220.1	36						36	ML 22284	8	RAB
Billy Boy	BBRB481	440618	7831580	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB482	439765	7831411	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB483	439825	7831462	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB484	439880	7831526	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB485	439943	7831577	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB486	439993	7831635	310.0	-60.0	220.1	30						30	ML 22284	7	RAB
Billy Boy	BBRB487	440047	7831694	310.0	-60.0	220.1	30						30	ML 22284	8	RAB
Billy Boy	BBRB488	440104	7831745	310.0	-60.0	220.1	43						43	ML 22284	11	RAB
Billy Boy	BBRB489	440157	7831802	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB490	440220	7831863	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB491	440273	7831920	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB492	437753	7830276	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB493	437809	7830322	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB494	437877	7830379	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB495	437933	7830425	310.0	-60.0	220.1	45						45	ML 22284	12	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB496	437993	7830480	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB497	438051	7830531	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB498	438114	7830583	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB499	438174	7830628	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB500	438237	7830692	310.0	-60.0	220.1	69						69	ML 22284	19	RAB
Billy Boy	BBRB501	438294	7830747	310.0	-60.0	220.1	55						55	ML 22284	14	RAB
Billy Boy	BBRB502	438357	7830796	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB503	438414	7830850	310.0	-60.0	220.1	31						31	ML 22284	8	RAB
Billy Boy	BBRB504	438473	7830899	310.0	-60.0	220.1	31						31	ML 22284	7	RAB
Billy Boy	BBRB505	438534	7830957	310.0	-60.0	220.1	25						25	ML 22284	7	RAB
Billy Boy	BBRB506	438596	7831008	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB507	438651	7831053	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB508	438713	7831107	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB509	438773	7831161	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB510	438837	7831208	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB511	438898	7831262	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB512	438964	7831316	310.0	-60.0	220.1	57						57	ML 22284	16	RAB
Billy Boy	BBRB513	439021	7831366	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB514	439077	7831417	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB515	439444	7831733	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB516	439500	7831783	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB517	439558	7831832	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB518	439627	7831888	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB519	439687	7831939	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB520	439747	7831993	310.0	-60.0	220.1	48						48	ML 22284	13	RAB
Billy Boy	BBRB521	439803	7832051	310.0	-60.0	220.1	42						42	ML 22284	10	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB522	439865	7832107	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB523	439931	7832157	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB524	439990	7832210	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB525	437279	7830649	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB526	437339	7830697	310.0	-60.0	220.1	66						66	ML 22284	17	RAB
Billy Boy	BBRB527	437403	7830751	310.0	-60.0	220.1	42						42	ML 22284	12	RAB
Billy Boy	BBRB528	437465	7830800	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB529	437529	7830853	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB530	437587	7830901	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB531	437650	7830957	310.0	-60.0	220.1	39						39	ML 22284	11	RAB
Billy Boy	BBRB532	437710	7831007	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB533	438056	7831278	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB534	438110	7831332	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB535	438172	7831384	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB536	438235	7831433	310.0	-60.0	220.1	42						42	ML 22284	12	RAB
Billy Boy	BBRB537	438295	7831484	310.0	-60.0	220.1	41						41	ML 22284	10	RAB
Billy Boy	BBRB538	438355	7831534	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB539	438417	7831581	310.0	-60.0	220.1	40						40	ML 22284	10	RAB
Billy Boy	BBRB540	438487	7831634	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB541	438540	7831686	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB542	438606	7831740	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB543	438665	7831786	310.0	-60.0	220.1	30						30	ML 22284	7	RAB
Billy Boy	BBRB544	438726	7831835	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB545	439075	7832118	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB546	439137	7832163	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB547	439196	7832222	310.0	-60.0	220.1	46						46	ML 22284	12	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB548	439259	7832267	310.0	-60.0	220.1	66						66	ML 22284	17	RAB
Billy Boy	BBRB549	439322	7832318	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB550	439380	7832374	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB551	439442	7832421	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB552	439505	7832475	310.0	-60.0	220.1	37						37	ML 22284	9	RAB
Billy Boy	BBRB553	439563	7832524	310.0	-60.0	220.1	39						39	ML 22284	11	RAB
Billy Boy	BBRB554	439627	7832575	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB555	437176	7831281	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB556	437239	7831331	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB557	437299	7831383	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB558	437364	7831433	310.0	-60.0	220.1	45						45	ML 22284	11	RAB
Billy Boy	BBRB559	437425	7831479	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB560	437488	7831531	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB561	437545	7831581	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB562	437611	7831628	310.0	-60.0	220.1	41						41	ML 22284	11	RAB
Billy Boy	BBRB563	437679	7831676	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB564	437739	7831726	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB565	437799	7831784	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB566	437865	7831833	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB567	437924	7831882	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB568	437985	7831934	310.0	-60.0	220.1	33						33	ML 22284	8	RAB
Billy Boy	BBRB569	438044	7831988	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB570	438801	7832592	310.0	-60.0	220.1	46						46	ML 22284	12	RAB
Billy Boy	BBRB571	438858	7832634	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB572	438918	7832685	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB573	438982	7832739	310.0	-60.0	220.1	40						40	ML 22284	10	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB574	439039	7832789	310.0	-60.0	220.1	40						40	ML 22284	10	RAB
Billy Boy	BBRB575	439102	7832845	310.0	-60.0	220.1	49						49	ML 22284	13	RAB
Billy Boy	BBRB576	439161	7832887	310.0	-60.0	220.1	52						52	ML 22284	14	RAB
Billy Boy	BBRB577	439234	7832933	310.0	-60.0	220.1	47						47	ML 22284	12	RAB
Billy Boy	BBRB578	439302	7832986	310.0	-60.0	220.1	52						52	ML 22284	13	RAB
Billy Boy	BBRB579	436817	7831701	310.0	-60.0	220.1	54						54	ML 22284	15	RAB
Billy Boy	BBRB580	436877	7831756	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB581	436937	7831810	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB582	437005	7831857	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB583	437063	7831910	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB584	437125	7831960	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB585	437190	7832009	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB586	437250	7832058	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB587	437309	7832108	310.0	-60.0	220.1	45						45	ML 22284	13	RAB
Billy Boy	BBRB588	437440	7832204	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB589	437497	7832253	310.0	-60.0	220.1	34						34	ML 22284	8	RAB
Billy Boy	BBRB590	437568	7832308	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB591	437625	7832351	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB592	437688	7832403	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB593	437754	7832455	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB594	437810	7832496	310.0	-60.0	220.1	37						37	ML 22284	10	RAB
Billy Boy	BBRB595	437875	7832546	310.0	-60.0	220.1	49						49	ML 22284	13	RAB
Billy Boy	BBRB596	438570	7833090	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB597	438633	7833143	310.0	-60.0	220.1	45						45	ML 22284	13	RAB
Billy Boy	BBRB598	438696	7833188	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB599	438760	7833239	310.0	-60.0	220.1	39						39	ML 22284	10	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB600	438823	7833292	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB601	438878	7833340	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB602	438946	7833390	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB603	439006	7833445	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB604	439071	7833481	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB605	436079	7832606	310.0	-60.0	220.1	57						57	ML 22284	15	RAB
Billy Boy	BBRB606	436136	7832665	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB607	436189	7832715	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB608	436244	7832775	310.0	-60.0	220.1	48						48	ML 22284	13	RAB
Billy Boy	BBRB609	436303	7832833	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB610	436360	7832884	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB611	436420	7832935	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB612	436470	7832999	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB613	436531	7833053	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB614	436587	7833116	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB615	436643	7833175	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB616	436694	7833228	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB617	436753	7833283	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB618	436807	7833342	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB619	436865	7833397	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB620	436925	7833453	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB621	436974	7833508	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB622	437032	7833576	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB623	437088	7833621	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB624	437144	7833679	310.0	-60.0	220.1	39						39	ML 22284	11	RAB
Billy Boy	BBRB625	437204	7833745	310.0	-60.0	220.1	46						46	ML 22284	12	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB626	437245	7833785	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB627	437304	7833850	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB628	437361	7833901	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB629	437404	7833950	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB630	435749	7833175	310.0	-60.0	220.1	63						63	ML 22284	17	RAB
Billy Boy	BBRB631	435796	7833233	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB632	435847	7833295	310.0	-60.0	220.1	57						57	ML 22284	15	RAB
Billy Boy	BBRB633	435898	7833353	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB634	435948	7833414	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB635	436004	7833474	310.0	-60.0	220.1	60						60	ML 22284	16	RAB
Billy Boy	BBRB636	436058	7833540	310.0	-60.0	220.1	33						33	ML 22284	9	RAB
Billy Boy	BBRB637	436111	7833600	310.0	-60.0	220.1	55						55	ML 22284	14	RAB
Billy Boy	BBRB638	436158	7833661	310.0	-60.0	220.1	46						46	ML 22284	12	RAB
Billy Boy	BBRB639	436212	7833725	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB640	436264	7833788	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB641	436312	7833848	310.0	-60.0	220.1	36						36	ML 22284	8	RAB
Billy Boy	BBRB642	435246	7833256	310.0	-60.0	220.1	56						56	ML 22284	14	RAB
Billy Boy	BBRB643	435284	7833333	310.0	-60.0	220.1	51						51	ML 22284	14	RAB
Billy Boy	BBRB644	435319	7833395	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB645	435356	7833472	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB646	435395	7833538	310.0	-60.0	220.1	46						46	ML 22284	12	RAB
Billy Boy	BBRB647	435429	7833612	310.0	-60.0	220.1	57						57	ML 22284	16	RAB
Billy Boy	BBRB648	435466	7833681	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB649	435507	7833747	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB650	435543	7833824	310.0	-60.0	220.1	19						19	ML 22284	4	RAB
Billy Boy	BBRB651	435580	7833897	310.0	-60.0	220.1	28						28	ML 22284	7	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB652	435617	7833962	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB653	435358	7834573	310.0	-60.0	220.1	63						63	ML 22284	16	RAB
Billy Boy	BBRB654	435333	7834501	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB655	435304	7834413	310.0	-60.0	220.1	60						60	ML 22284	16	RAB
Billy Boy	BBRB656	435276	7834346	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB657	435255	7834269	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB658	435229	7834193	310.0	-60.0	220.1	48						48	ML 22284	13	RAB
Billy Boy	BBRB659	435202	7834121	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB660	435174	7834056	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB661	435143	7833978	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB662	435119	7833903	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB663	435097	7833824	310.0	-60.0	220.1	38						38	ML 22284	10	RAB
Billy Boy	BBRB664	435070	7833752	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB665	435045	7833678	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB666	435015	7833599	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB667	435000	7833521	310.0	-60.0	220.1	41						41	ML 22284	11	RAB
Billy Boy	BBRB668	434971	7833422	310.0	-60.0	220.1	54						54	ML 22284	14	RAB
Billy Boy	BBRB669	434950	7833367	310.0	-60.0	220.1	23						23	ML 22284	6	RAB
Billy Boy	BBRB670	434923	7833294	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB671	434893	7833216	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB672	434872	7833143	310.0	-60.0	220.1	56						56	ML 22284	14	RAB
Billy Boy	BBRB673	434844	7833066	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB674	434817	7832993	310.0	-60.0	220.1	60						60	ML 22284	16	RAB
Billy Boy	BBRB675	434887	7834665	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB676	434865	7834575	310.0	-60.0	220.1	44						44	ML 22284	11	RAB
Billy Boy	BBRB677	434846	7834518	310.0	-60.0	220.1	28						28	ML 22284	6	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB678	434826	7834433	310.0	-60.0	220.1	60						60	ML 22284	16	RAB
Billy Boy	BBRB679	434802	7834369	310.0	-60.0	220.1	42						42	ML 22284	11	RAB
Billy Boy	BBRB680	434778	7834287	310.0	-60.0	220.1	48						48	ML 22284	11	RAB
Billy Boy	BBRB681	434752	7834211	310.0	-60.0	220.1	70						70	ML 22284	19	RAB
Billy Boy	BBRB682	434735	7834131	310.0	-60.0	220.1	51						51	ML 22284	13	RAB
Billy Boy	BBRB683	434713	7834045	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB684	434690	7833970	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB685	434667	7833899	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB686	434646	7833827	310.0	-60.0	220.1	30						30	ML 22284	8	RAB
Billy Boy	BBRB687	434623	7833740	310.0	-60.0	220.1	30						30	ML 22284	7	RAB
Billy Boy	BBRB688	434604	7833669	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB689	434581	7833579	310.0	-60.0	220.1	45						45	ML 22284	13	RAB
Billy Boy	BBRB690	434560	7833511	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB691	434541	7833435	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB692	434516	7833366	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB693	434496	7833287	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB694	434478	7833207	310.0	-60.0	220.1	34						34	ML 22284	9	RAB
Billy Boy	BBRB695	434451	7833135	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB696	434427	7833059	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB697	434408	7832980	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB698	434015	7833281	310.0	-60.0	220.1	48						48	ML 22284	13	RAB
Billy Boy	BBRB699	434037	7833369	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB700	434051	7833439	310.0	-60.0	220.1	42						42	ML 22284	10	RAB
Billy Boy	BBRB701	434071	7833514	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB702	434094	7833593	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB703	434108	7833672	310.0	-60.0	220.1	39						39	ML 22284	10	RAB



Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB704	434131	7833751	310.0	-60.0	220.1	39						39	ML 22284	8	RAB
Billy Boy	BBRB705	434143	7833822	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB706	434306	7834468	310.0	-60.0	220.1	48						48	ML 22284	12	RAB
Billy Boy	BBRB707	434325	7834540	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB708	434347	7834623	310.0	-60.0	220.1	45						45	ML 22284	12	RAB
Billy Boy	BBRB709	434368	7834694	310.0	-60.0	220.1	60						60	ML 22284	15	RAB
Billy Boy	BBRB710	434390	7834778	310.0	-60.0	220.1	36						36	ML 22284	9	RAB
Billy Boy	BBRB711	434410	7834854	310.0	-60.0	220.1	39						39	ML 22284	10	RAB
Billy Boy	BBRB712	434430	7834938	310.0	-60.0	220.1	30						30	ML 22284	8	RAB
Billy Boy	BBRB713	439499	7832819	310.0	-60.0	220.1	39						39	ML 22284	9	RAB
Billy Boy	BBRB714	439621	7832921	310.0	-60.0	220.1	47						47	ML 22284	12	RAB
Billy Boy	BBRB704	434131	7833751	310.0	-60.0	220.1	39						39	ML 22284	-120	RAB
Billy Boy	BBRB715	433803	7833729	310.0	-60.0	347.0	55						55	ML 22284	15	RAB
Billy Boy	BBRB716	433791	7833746	310.0	-60.0	20.0	40						40	ML 22284	10	RAB
Billy Boy	BBRB717	433764	7833784	310.0	-60.0	146.0	43						43	ML 22284	11	RAB
Billy Boy	BBRB718	437420	7832982	310.0	-60.0	12.0	37						37	ML 22284	9	RAB
Billy Boy	BBRB719	437428	7833004	310.0	-60.0	192.0	31						31	ML 22284	8	RAB
Billy Boy	BBRB720	437323	7833070	310.0	-60.0	186.0	40						40	ML 22284	10	RAB
Billy Boy	BBRB721	437435	7833020	310.0	-60.0	200.0	52						52	ML 22284	13	RAB
Billy Boy	BBRB722	437454	7832163	310.0	-60.0	204.0	34						34	ML 22284	9	RAB
Billy Boy	BBRB723	437405	7832159	310.0	-60.0	113.0	31						31	ML 22284	8	RAB
Billy Boy	BBRB724	437406	7832111	310.0	-60.0	35.0	40						40	ML 22284	10	RAB
Billy Boy	BBRB725	437630	7831555	310.0	-60.0	270.0	40						40	ML 22284	10	RAB
Billy Boy	BBRB726	437608	7831548	310.0	-60.0	90.0	19						19	ML 22284	4	RAB
Billy Boy	BBRB727	438435	7831122	310.0	-60.0	234.0	43						43	ML 22284	11	RAB
Billy Boy	BBRB728	438332	7830611	310.0	-60.0	198.0	40						40	ML 22284	10	RAB

Prospect	Hole Number	GDA Easting	GDA Northing	GDA RL	Dip (Deg)	Magnetic Azimuth (Deg)	RAB Depth (m)	RC Depth (m)	Rock Roller (m)	Pre Collar Depth (m)	Diamond HQ (m)	Diamond NQ (m)	Final Hole Depth (m)	Tenement Number	Number of Samples	Drill Type
Billy Boy	BBRB729	438305	7830585	310.0	-60.0	12.0	37						37	ML 22284	10	RAB
Billy Boy	BBRB730	440127	7831711	310.0	-60.0	85.0	34						34	ML 22284	9	RAB
Billy Boy	BBRB731	440163	7831714	310.0	-60.0	220.0	37						37	ML 22284	9	RAB
Billy Boy	BBRB732	439093	7832834	310.0	-60.0	34.0	12						12	ML 22284	0	RAB
Billy Boy	BBRB733	439092	7832837	310.0	-60.0	34.0	55						55	ML 22284	14	RAB
Billy Boy	BBRB734	439169	7833030	310.0	-60.0	51.0	31						31	ML 22284	8	RAB

**Table 2:** Gecko Deeps GODD032 Drill hole detail

Hole ID	East (MGA94_53)	North (MGA94_53)	RL AHD	Dip (deg)	AZI mag (deg)	Drill Type	From (m)	To (m)	Width (m)	Sample Type	Tenement
GODD032	402102.1	7851254.1	349.4	-85.0	320.4	RC Pre Collar	0.00	265.0	265.0	RC chips	ML 23969
						HQ Diamond	265.0	266.6	1.60	Core	
						NQ <sup>2</sup> Diamond	266.6	Currently drilling		Core	

## JORC Code, 2012 Compliance

The exploration results contained within the above company release are in accordance with the guidelines of *The Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves* (the JORC Code, 2012).

### Section 1 Sampling Techniques and Data - BILLY BOY REGIONAL TARGETS

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>Diamond core collected at the Billy Boy prospect was used to obtain high quality samples that were logged for lithological, structural, geotechnical and other attributes.</li> <li>Diamond core was all drilled as HQ size, sampled on geological intervals (0.1 m to 1.4 m), cut into half core to provide sample weights of approximately 3.0kg. Samples were crushed, dried and pulverised (Lab) to produce a 25g sub sample for analysis by aqua regia and fire assay techniques.</li> <li>Rotary Air Blast (RAB) samples were composited at the drill site into 4m samples via spear sampling.</li> <li>4m RAB composite samples from which 2.5 – 3.0kg was pulverised (at the laboratory) to produce a 25g charge for analysis by Aqua Regia digestion, ICP-MS, ICP-OES finish (Au, Ag, Bi, Cu, Pb, Zn and Fe).</li> <li>A 1m bottom of hole RAB sample for each hole was also collected and dispatched for Fire Assay gold and comprehensive multi-element 4 acid digest, ICP-OES, ICP-MS, or AAS analysis (46 elements).</li> <li>A representative bottom of hole chip sample was also retained in labelled chip trays and dispatched for ASD analysis in Queensland.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>RAB and Diamond drilling accounts for 100% of the Billy Boy regional drilling completed by Emmerson and reported within this text.</li> <li>RAB drill hole spacing was of a regional nature and completed on nominal 80m centres along drill lines spaced 600m apart.</li> <li>466 angled RAB holes were completed for a total of 19,760m. The deepest hole was 92m and the shallowest 12m with the average hole depth for the program being 39m.</li> <li>All RAB holes were angled at 60 degrees to the west – south - west.</li> <li>Holes and drill lines were designed to optimally test the mineralised shear zones which strike east-north east west and dip steeply to the south.</li> <li>RAB drilling utilises a 4 inch blade bit.</li> <li>HQ core diameter is 63.5mm.</li> <li>All recently collected core was oriented where possible and the accuracy of the orientation tools is considered as good.</li> <li>Depths were routinely checked against the depth given on the core blocks for accuracy by geologists and field assistants.</li> <li>Rod counts are routinely carried out by the drillers.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Recoveries were considered good for Diamond drilling.</li> <li>Diamond core recoveries are logged and recorded in the database.</li> <li>Overall recoveries are for the Billy Boy RAB drilling is considered good and there were no obvious sample loss issues.</li> <li>Diamond core from Billy Boy prospect was reconstructed into continuous runs on a 6m long angle-iron cradle for orientation marking.</li> <li>RQD logging of diamond core was completed for selected sections in the DD holes.</li> <li>Emmerson do not consider that there is evidence for sample bias that may have occurred due to preferential loss/gain of fine/coarse material from the Billy Boy drill programs.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>Standard logging/operating procedures (SOP's) were employed by Emmerson geologists for logging RAB chip and Diamond core samples at the Billy Boy prospect.</li> <li>Historical records show that all drill core and RC samples were lithologically logged by previous explorers.</li> <li>Logging codes and operating procedures were reviewed by Emmerson geologists and were considered satisfactory.</li> <li>All historical lithological, oxidation, alteration and presence of sulphide information were converted to Emmerson standard</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>lithological naming convention.</p> <ul style="list-style-type: none"> <li>• Previous Information on structure type, dip, dip direction, alpha angle, beta angle, texture, shape, roughness and fill material has been reviewed and considered satisfactory to good.</li> <li>• Magnetic susceptibility data has been collected for selected diamond core but not for the RAB chips..</li> <li>• All Billy Boy drill core has been photographed.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li>• <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li>• <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li>• <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li>• <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i></li> <li>• <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Core from Billy Boy project was cut in half (HQ) using a standard automated brick saw.</li> <li>• All half core samples were collected from the same side of the core.</li> <li>• Half core samples are submitted for analysis, unless a field duplicate was required, in which quarter core samples are submitted.</li> <li>• The sample preparation of diamond core follows industry best practice in sample preparation involving oven drying, coarse crushing of the half core sample down to ~10mm followed by pulverisation of the entire sample (total prep) using LM5 grinding mills to a grind size of 85% passing 75 micron. The sample preparation for RC samples is identical, without the coarse crush stage.</li> <li>• Pulverised material not required by the laboratory (pulps) including duplicate samples are returned to Emmerson Resources - Tennant Creek.</li> <li>• Coarse rejects are disposed of by the Laboratory.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></li> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Field QC procedures undertaken by Emmerson are documented and involve the use of certified reference material (CRM's) as assay standards, and include blanks, duplicates.</li> <li>• QAQC protocols consisted of the insertion of blanks at a rate of approximately one in every 40 samples, insertion of standards at a rate of approximately one in every 20 samples and duplicate field sample analysis of at a rate of approximately one in every 20 samples.</li> <li>• Insertion of assay blanks was increased if visual mineralisation was encountered and consists of insertion above and below the mineralised zone.</li> <li>• Internal Laboratory checks were also included as in-house controls, blanks, splits, and replicates that are analysed with each batch of samples submitted. These QC results are reported along with</li> <li>• Samples were sent to Genalysis Intertek (Alice Springs and Perth).</li> <li>• The sample sizes are considered to be appropriate to correctly represent the style of mineralisation at the Billy Boy project, (Iron oxide copper gold).</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Emmerson geologists have reviewed historical digital and hard copy drilling information for the Billy Boy project and consider it to be of good quality and reliable.</li> <li>• Original data sheets and files have been retained and were used to validate drilling results and the contents of the digital database against the original logging.</li> <li>• No twin drill holes have been completed within the Billy Boy project.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>• <i>Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Diamond drill hole collars were surveyed (set out and pick up) using a differential GPS and by a suitably qualified company employee.</li> <li>• Collar survey accuracy is +/- 50 mm for easting, northing and elevation coordinates.</li> <li>• Co-ordinate system GDA_94, Zone 53.</li> <li>• Topography control is considered as excellent.</li> <li>• Topographic measurements are collected from the final survey drill hole pick up.</li> <li>• Downhole survey measurements were collected during drilling at a minimum of every 30m using a single shot camera.</li> <li>• The Billy Boy RAB holes were located in the field by Emmerson field assistants using a hand held GPS unit considered accurate to 3 metres.</li> <li>• No down hole surveying was conducted on the RAB holes and it is assumed that the hole dip and azimuth remained constant.</li> </ul>



Criteria	JORC Code explanation	Commentary
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Drill spacing is not considered appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) for any of the three project areas.</li> <li>Drilling at Billy Boy is still considered early and no formalised drill spacing has been established for these three areas. Further drilling may be designed at a closer grid once economic mineralisation and continuity is established.</li> <li>Core sampling is generally defined by geological characteristics and controlled by alteration and lithological boundaries.</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li>The RAB hole traverses and individual diamond holes at Billy Boy were designed to intersect main structures perpendicular to the region stratigraphic strike.</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were selected, bagged and labelled by site geologists.</li> <li>They are placed in sealed bags for transport to the assay laboratory.</li> <li>The assay laboratory confirms that all samples have been received and that no damage has occurred during transport.</li> <li>While samples are being processed in the Lab they are considered to be secure.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>Not relevant for the data reported.</li> </ul>

## Section 2 Reporting of Exploration Results – BILLY BOY REGIONAL TARGETS

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>All regional RAB drilling stated in this report were conducted on granted Mining Licence ML22284 and are located on Tennant Creek PPL NT Portion 495 (Tennant Creek Station).</li> <li>ML22284 is 100% held by Emmerson Resources Limited.</li> <li>Land access is secured through Sacred Site Clearance Certificate 2011-074 signed between Traditional Owners and Emmerson Resources.</li> <li>Small Exclusion Zones exist (isolated ironstone outcrops identified as sacred sites) within the ML exist however they do not impact on any planned drilling</li> <li>All tenements are in good standing and no known impediments exist.</li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Previous known exploration within ML22284 was conducted by and Giants Reef Mining (1995-2000).</li> <li>Prior to Giants Reef Mining several other exploration companies held the ground however reliability of data is questionable and is not included in this report.</li> <li>Several early stage exploration targets have been identified with some having been drill tested within the ML.</li> <li>Most advanced exploration target is the Au-Cu occurrence known as Billy Boy located in the central section of the ML.</li> <li>Several gold nuggets have been located within the ML by local prospectors.</li> <li>All recent work in this area has been conducted by Emmerson Resources.</li> </ul>
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Gold mineralisation is hosted by outcropping and buried hematite ironstone. Mineralisation is considered to be Proterozoic Iron Oxide Copper Gold (IOCG) mineralisation of similar style and nature to other mineralisation / deposits in the Tennant Creek Mineral Field.</li> </ul>
Drillhole information	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes: <ul style="list-style-type: none"> <li>easting and northing of the drillhole collar</li> <li>elevation or RL of the drillhole collar</li> <li>dip and azimuth of the hole</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Significant historical intersections within this report have been compiled and validated by Emmerson geologist.</li> <li>Original data sheets have been inspected, validated and are included into Emmerson's relational database.</li> <li>A comprehensive drill hole list is included in this quarterly (Table 1)</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li>○ downhole length and interception depth</li> <li>○ hole length.</li> </ul>	
Data aggregation methods	<ul style="list-style-type: none"> <li>● In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>● Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>● The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>● Mineralised intersections are reported as down hole composite drill intervals and not weighted averages.</li> <li>● These results are exploration results only and no allowance is made for recovery losses that may occur should mining eventually result, nor metallurgical flow sheet considerations.</li> <li>● No cut-off grade has been applied to results reported in this report.</li> <li>● It must be noted that RAB drilling by nature can contaminate samples during the drilling process and although considered significant in a regional sense it must be understood that confirmation RC drilling is required to qualify the initial RAB intersections.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>● These relationships are particularly important in the reporting of Exploration Results.</li> <li>● If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported.</li> <li>● If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (eg 'downhole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>● The RAB hole traverses and individual diamond drill holes at Billy Boy were designed to intersect main structures perpendicular to the regional stratigraphic strike.</li> <li>● All RAB holes were angled at 60 degrees to the west – south - west.</li> <li>● Holes and drill lines were designed to optimally test the mineralised shear zones which strike east-north east and dip steeply to the south.</li> </ul>
Diagrams	<ul style="list-style-type: none"> <li>● Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drillhole collar locations and appropriate sectional views.</li> </ul>	<ul style="list-style-type: none"> <li>● Refer to Figures in body of text.</li> </ul>
Balanced reporting	<ul style="list-style-type: none"> <li>● Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>● No significant intersections from this quarter are reported.</li> </ul>
Other substantive exploration data	<ul style="list-style-type: none"> <li>● Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<ul style="list-style-type: none"> <li>● Previous drilling information collected by Giants Reef has been reviewed and is considered to be of a high standard.</li> <li>● Several geophysical data has been collected over the area by Giants Reef and includes air and ground magnetic surveys, course spaced gravity surveying, minor electrical geophysics, soil and rock chipping and associated outcrop mapping has also been conducted.</li> <li>● These data are considered to be of a satisfactory standard.</li> <li>● No deleterious or contaminated substances have been identified during Emmerson's the desktop review.</li> </ul>
Further work	<ul style="list-style-type: none"> <li>● The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>● Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>● Assessment of the historical Blue Moon mine area is underway.</li> <li>● Additional soil sampling is being considered.</li> <li>● Review of the historic Billy Boy Au-Cu occurrence is underway to assess if additional drilling could improve the target.</li> </ul>

**Section 1: Sampling Techniques and Data – Deep Gecko GODD032 Diamond Drill**

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>The Deep Gecko exploration target has not been drill tested before and GODD032 is a proof of concept exploration drill hole.</li> <li>GODD032 is the first hole drilled into the target and at the time of the update release the final target depth had not been reached.</li> <li>The RC pre collar (0 – 256m) has been sampled and dispatched to the laboratory.</li> <li>The RC pre collar chips were riffle split on site to obtain 3m composite samples from which 2.5 – 3.0kg was pulverised (at the laboratory) to produce a 25g charge for analysis by Aqua Regia digestion / ICP-MS/OES (Au,Ag,Bi,Cu,Fe,Pb,Zn).</li> <li>Individual 1m samples are retained on the drill site.</li> <li>RC samples were collected via a fixed splitter that is mounted to the drill rig under a 900cfm cyclone.</li> <li>A reprehensive bottom of hole chip sample was also retained in labelled chip trays for reference and dispatched for ASD analysis in Queensland (Evolution mine site).</li> <li>No diamond core has been dispatched to the lab at the time of writing this release.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>See Table 1 in the text.</li> <li>GODD032 has a RC pre collar utilizing a 4.5 inch, face sampling bit.</li> <li>NQ<sup>2</sup> core diameter is 47.6mm.</li> <li>HQ core diameter is 63.5mm.</li> <li>The core was oriented using down hole core orientation equipment provided by the drilling company.</li> <li>DDH1 Drilling completed both the RC and diamond (current) drilling using a multipurpose UDR1200 drill rig.</li> <li>Diamond core and RC recoveries are logged and recorded in the database and considered to be of an excellent standard.</li> <li>Standard inner tube has been used.</li> <li>No triple tube has been used on GODD032.</li> <li>Core from GODD032 exploration target is currently stored on core racks in the Emmerson Tennant Creek core shed and is progressively being geologically logged by company geologists.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Recoveries are considered satisfactory for both Diamond and RC drilling.</li> <li>RQD measurements and core loss will be recorded on diamond logging sheets and retained for reference.</li> <li>RC chip recoveries are &gt;95% for and there are no reported core loss or significant sample recovery problems identified.</li> <li>Emmerson do not consider that there is evidence for sample bias that may have occurred due to preferential loss/gain of fine/coarse material while drilling the RC pre collar.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>RC pre collar samples from GODD032 were lithologically logged and have been entered in Emmerson's relational database.</li> <li>One metre RC chip intervals are sieved, washed and stored in standard chip trays for later review.</li> <li>Drill hole logging data is directly entered into field tough book computers via Logchief software. Look up codes and real time validations reduce the risk of data entry mistakes.</li> <li>Field computer data (the drill log) are uploaded to Emmerson's relational database whereby the data undergoes a further set of validations checks prior to final upload.</li> <li>Information on structure type, dip, dip direction, alpha angle, beta angle, texture, shape, roughness and fill material will be stored in the structure table of Emmerson's database.</li> <li>RQD logging is underway and records core lengths, recovery, hardness and weathering.</li> </ul>

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>• If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>• For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>• Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>• Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>• The sample preparation for the GODD032 RC pre collar involves oven drying followed by pulverisation of the entire sample (total prep).</li> <li>• Forty seven (47) riffle split, individual 1m samples have been dispatched to the laboratory based on visual mineralisation.</li> <li>• Intervals are 4-13m (9 samples), 118-141m (23 samples), 160-169m (9 samples) &amp; 220-223m (6 samples).</li> <li>• 1m intervals are pulverised (at the laboratory) to produce a 25g charge for analysis by four acid digest with an ICP/OES (Cu,Fe,Pb,Zn) ICP/MS (Ag, Bi) &amp; FA/AAS (Au) finish (Fire Assay).</li> <li>• 1m intervals sample assay results have not been returned at the time of writing this release.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>• For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</li> <li>• Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>• Field QC procedures involve the use of certified reference material (CRM's) as assay standards, and include ERM include blanks, duplicates.</li> <li>• QAQC protocols consist of the insertion of blanks at a rate of approximately one in every 40 samples, insertion of standards at a rate of approximately one in every 20 samples and duplicate field sample analysis of at a rate of approximately one in every 20 samples.</li> <li>• Insertion of assay blanks is increased when visual mineralisation is encountered and consists of insertion above and below the mineralised zone.</li> <li>• GODD032 RC pre collar field duplicates were collected on the 3m composites samples, using a riffle splitter.</li> <li>• Individual 1m RC sample duplicates are also collected using the same technique.</li> <li>• Laboratory checks include CRM's and/or in-house controls, blanks, splits, and replicates that are analysed with each batch of samples submitted. These QC results are reported along with sample values in the final analytical report. Barren quartz washes are also routinely used in zones of mineralisation.</li> <li>• QAQC data is uploaded with the sample values into ERM's database through an external database administrator (contractor).</li> <li>• A QAQC database is created as a separate table in the database and includes all field and internal laboratory QC samples.</li> <li>• QC data is reported through a series of control charts for analysis and interpretation by the Exploration Manager or his/her delegate.</li> <li>• The sample sizes are considered to be appropriate to correctly represent the sulphide mineralisation at the Gecko Deep exploration target based on the style of mineralisation (iron oxide copper gold), the thickness and mineral consistency of the intersection(s).</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>• The verification of significant intersections by either independent or alternative company personnel.</li> <li>• The use of twinned holes.</li> <li>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>• Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>• No twin drill holes to Emmerson's knowledge have been completed.</li> <li>• Selective sampling and re-assay will be undertaken to confirm key assay results.</li> <li>• The geochemical data is managed by ERM using an external database administrator and secured through a relational database (Datashed).</li> <li>• Emmerson's Exploration Manager has visually verified significant visual mineralisation as reported in the text within GODD032 RC pre collar.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>• Accuracy and quality of surveys used to locate drillholes (collar and downhole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>• Specification of the grid system used.</li> <li>• Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>• GODD032 was surveyed (set out) using a differential GPS and by a suitably qualified company employee.</li> <li>• Collar survey accuracy is +/- 30 mm for easting, northing and elevation coordinates.</li> <li>• Co-ordinate system GDA_94, Zone 53.</li> <li>• Topographic measurements are collected from the final survey</li> </ul>



Criteria	JORC Code explanation	Commentary
		<p>drill hole pick up.</p> <ul style="list-style-type: none"> <li>Downhole survey measurements were collected at a minimum of every 18m using an REFLEX EZ-Shot® electronic single shot camera for RC and every 6m for diamond drill holes.</li> <li>This survey camera equipment is quoted by the manufacturer to have an accuracy of <ul style="list-style-type: none"> <li>Azimuth <math>0-360^{\circ} \pm 0.5^{\circ}</math></li> <li>Dip <math>\pm 90^{\circ} \pm 0.2^{\circ}</math></li> </ul> </li> <li>Final collar position will be surveyed on completion of GODD032.</li> </ul>
<i>Data spacing and distribution</i>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>No analytical results have been reported in the text.</li> <li>RC sampling is on 1m intervals that may have originally consisted of 3m composites.</li> <li>Core sampling is generally defined by geological characteristics and controlled by alteration and lithological boundaries.</li> </ul>
<i>Orientation of data in relation to geological structure</i>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i></li> </ul>	<ul style="list-style-type: none"> <li>No previous exploration has been conducted on the Gecko Deep target.</li> <li>Goanna mineralisation located approximately 800m to the east of GODD032 is very similar in visual nature and geological control.</li> </ul>
<i>Sample security</i>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>Not relevant for the data reported.</li> </ul>
<i>Audits or reviews</i>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>An internal review of the historical sampling techniques, QAQC protocols and data collection was conducted by Emmerson from January to March 2013 however was not specific to the GODD032 target.</li> </ul>

## Section 2: Reporting of Exploration Results - Deep Gecko GODD032 Diamond Drill

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>GODD032 was drilled on granted Mineral Lease ML 23969 which forms part of the Gecko Mine Mineral Lease Group and is owned 100% by Emmerson Resources Limited. .</li> <li>ML 23969 lies within Perpetual Pastor Lease 946 which is run as Phillip Creek Station.</li> <li>Land Access to the target is secured through an Indigenous Land Use Agreement with the CLC representing Traditional Owners for the area.</li> <li>There are no Heritage or Indigenous exclusion zones recorded within ML 23969.</li> <li>A recent drill rig visit by approximately 25 Traditional owners on Friday 17<sup>th</sup> July, 2015 was conducted.</li> <li>The tenements are in good standing and no known impediments exist.</li> <li>Emmerson Resources are in Joint Venture with Evolution Mining.</li> <li>GODD032 is co-funded as part of the Northern Territory's "Creating Opportunities for Resource Exploration (CORE) initiative.</li> </ul>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>No exploration has been conducted at this depth.</li> <li>No exploration or drilling targets the Gecko Deep Exploration Target.</li> </ul>
<i>Geology</i>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>Mineralisation within the target area consists of hematite-quartz-magnetite ironstone within talc-chlorite-magnetite-bearing sediments of the Warramunga Formation.</li> <li>Target style for Emmerson is non magnetic ironstone related iron oxide copper gold.</li> <li>GODD032 lies within a defined structural corridor known as the Gecko Shear Zone. Mineralisation (Copper and Gold) in the Gecko Shear Zone is associated with ironstone.</li> <li>The Goanna Copper mineralisation (Emmerson Resources) is visually the same as the reported intersection in this text.</li> </ul>
<i>Drillhole information</i>	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes: <ul style="list-style-type: none"> <li>easting and northing of the drillhole collar</li> <li>elevation or RL of the drillhole collar</li> <li>dip and azimuth of the hole</li> <li>downhole length and interception depth</li> <li>hole length.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>All drill hole information is tabulated in Table 1 of the text.</li> <li>GODD032 has not been completed however Emmerson estimate the final down hole depth will be approximately 1,200m.</li> </ul>
<i>Data aggregation methods</i>	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>Visual sulphide mineralisation intersections are reported as down hole lengths and are not true widths.</li> </ul>
<i>Relationship between mineralization widths and intercept lengths</i>	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported.</li> <li>If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (eg 'downhole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>GODD032 at the Gecko Deep exploration target is from surface and perpendicular to the interpreted mineralised structure (s).</li> <li>GODD032 is inclined to the North at -85 degrees to allow intersection angles with the mineralised zones approximate to the true width.</li> <li>Visual sulphide intersections for GODD032 are shown as down hole lengths and are not true widths.</li> <li>.</li> </ul>
<i>Diagrams</i>	<ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drillhole collar locations and appropriate sectional views.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to Figures in body of text.</li> </ul>

Criteria	JORC Code explanation	Commentary
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>Not relevant for the data reported.</li> </ul>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <li>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li> </ul>	<ul style="list-style-type: none"> <li>Not relevant for the data reported.</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</li> </ul>	<ul style="list-style-type: none"> <li>Further work on the Gecko Deep exploration target will involve:</li> <li>Completion of GODD032</li> <li>Down hole geophysical surveys including sonic and VSP methods.</li> <li>Collection of physical rock property data to assist with future geophysical modelling.</li> <li>Collection of multi element samples and analysis.</li> <li>Age dating and thin section collection at various intervals down hole.</li> <li>Structural logging of GODD032</li> <li>Assaying of selected GODD032 diamond drill core.</li> <li>Further diamond drilling.</li> </ul>

## Mining Tenements Held at 30 June 2015

All tenements are held in Northern Territory, Australia

Tenement	Name	Interest	Tenement	Name	Interest	Tenement	Name	Interest
EL10114	McDougall	100%	ELA30584	Battery Hill	100%	HLDC78	Wiso Basin	100%
EL10124	Speedway	100%	ELA30614	Franc	100%	HLDC79	Wiso Basin	100%
EL10313	Kodiak	100%	ELA30746	Mule	100%	HLDC80	Wiso Basin	100%
EL10406	Montana	100%	ELA30747	Power of Wealth	100%	HLDC81	Wiso Basin	100%
EL23285	Corridor 2	100%	ELA30748	Battery Hill	100%	HLDC82	Wiso Basin	100%
EL23286	Corridor 3	100%	ELA30749	Mary Anne	100%	HLDC83	Wiso Basin	100%
EL23905	Jackie	100%	ELA7809	Mt Samuel	100%	HLDC84	Wiso Basin	100%
EL26594	Bills	100%	HLDC100	Sally No Name	100%	HLDC85	Wiso Basin	100%
EL26595	Russell	100%	HLDC101	Sally No Name	100%	HLDC86	Wiso Basin	100%
EL26787	Rising Ridge	100%	HLDC37	Warrego, No 1	100%	HLDC87	Wiso Basin	100%
EL27011	Snappy Gum	100%	HLDC39	Warrego Min,	100%	HLDC88	Wiso Basin	100%
EL27136	Reservoir	100%	HLDC40	Warrego, No 2	100%	HLDC89	Wiso Basin	100%
EL27164	Hawk	100%	HLDC41	Warrego, No 3	100%	HLDC90	Wiso Basin	100%
EL27408	Grizzly	100%	HLDC42	Warrego, S7	100%	HLDC91	Wiso Basin	100%
EL27537	Chappell	100%	HLDC43	Warrego , S8	100%	HLDC92	Wiso Basin	100%
EL27538	Mercury	100%	HLDC44	Warrego, No.2	100%	HLDC93	Wiso Basin	100%
EL28601	Malbec	100%	HLDC45	Warrego, No.1	100%	HLDC94	Warrego, No.4	100%
EL28602	Red Bluff	100%	HLDC46	Warrego, No.1	100%	HLDC95	Warrego, No.3	100%
EL28603	White Devil	100%	HLDC47	Wiso Basin	100%	HLDC96	Wiso Basin	100%
EL28618	Comstock	100%	HLDC48	Wiso Basin	100%	HLDC97	Wiso Basin	100%
EL28760	Delta	100%	HLDC49	Wiso Basin	100%	HLDC98	Wiso Basin	100%
EL28761	Quartz Hill	100%	HLDC50	Wiso Basin	100%	HLDC99	Wiso, No.3 pipe	100%
EL28775	Trinity	100%	HLDC51	Wiso Basin	100%	MA23236	Udall Road	100%
EL28776	Whippet	100%	HLDC52	Wiso Basin	100%	MA27163	Eagle	100%
EL28777	Bishops Creek	100%	HLDC53	Wiso Basin	100%	MA30798	Little Ben	100%
EL28913	Amstel	100%	HLDC54	Wiso Basin	100%	MCC1032	Metallic Hill	100%
EL29012	Tetley	100%	HLDC55	Warrego, No.4	100%	MCC1033	Metallic Hill	100%
EL29488	Rocky	100%	HLDC56	Warrego, No.5	100%	MCC1034	EXP195	100%
EL30167	Dolomite	100%	HLDC58	Wiso Line, No.6	100%	MCC1038	Rocky Range	100%
EL30168	Caroline	100%	HLDC59	Warrego, No.6	100%	MCC1039	Rocky Range	100%
EL30301	Grey Bluff East	100%	HLDC69	Wiso Basin	100%	MCC1065	Marathon	100%
EL30488	Colombard	100%	HLDC70	Wiso Basin	100%	MCC1077	Gecko	100%
EL9403	Jess	100%	HLDC71	Wiso Basin	100%	MCC1078	Gecko	100%
EL9958	Running Bear	100%	HLDC72	Wiso Basin	100%	MCC1079	Gecko	100%
ELA27539	Telegraph	100%	HLDC73	Wiso Basin	100%	MCC1080	Gecko	100%
ELA27902	Lynx	100%	HLDC74	Wiso Basin	100%	MCC1081	Gecko	100%
ELA30123	Mosquito Creek	100%	HLDC75	Wiso Basin	100%	MCC1082	Gecko	100%
ELA30505	Golden East	100%	HLDC76	Wiso Basin	100%	MCC1083	Gecko	100%
ELA30516	Barkly Highway	100%	HLDC77	Wiso Basin	100%	MCC1315	Warrego East	100%



## Mining Tenements Held at 30 June 2015

All tenements are held in Northern Territory, Australia

Tenement	Name	Interest	Tenement	Name	Interest	Tenement	Name	Interest
MCC1316	Warrego East	100%	MCC793	Sauvignon	100%	ML29917	Havelock	100%
MCC1317	Warrego East	100%	MCC794	Durif	100%	ML29919	Orlando	100%
MCC1318	Warrego East	100%	MCC795	Durif	100%	ML30176	Queen of Sheeba	100%
MCC1319	Warrego East	100%	MCC796	Durif	100%	ML30177	North Star	100%
MCC1320	Warrego East	100%	MCC797	EXP 80	100%	ML30322	Verdot	100%
MCC1321	Warrego East	100%	MCC798	Ivanhoe	100%	ML30620	Kia Ora	100%
MCC1322	Warrego East	100%	MCC799	Wolseley	100%	ML30623	Pinnacles South	100%
MCC1323	Warrego East	100%	MCC800	Wolseley	100%	ML30636	Jacqueline the	100%
MCC1348	Archimedes	100%	MCC801	Gris	100%	ML30712	Battery Hill	100%
MCC1349	Archimedes	100%	MCC802	Zinfandel	100%	ML30713	The Pup	100%
MCC174	Mt Samuel	100%	MCC804	EXP212	100%	ML30714	Pedro	100%
MCC203	Galway	100%	MCC805	Jubilee	100%	ML30715	Red Bluff North	100%
MCC211	Shamrock	100%	MCC806	Jubilee	100%	ML30716	Comstock	100%
MCC212	Mt Samuel	85%	MCC807	Merlot	100%	ML30742	Black Cat	100%
MCC239	West Peko	100%	MCC808	Merlot	100%	ML30743	True Blue	100%
MCC240	West Peko	100%	MCC809	The Extension	100%	ML30744	Scheurber	100%
MCC287	Mt Samuel	100%	MCC810	Colombard	100%	ML30745	Bomber	100%
MCC288	Mt Samuel	100%	MCC811	Colombard	100%	ML30781	Smelter	100%
MCC308	Mt Samuel	85%	MCC813	Grenache	100%	ML30782	Dark	100%
MCC316	The Trump	100%	MCC9	Eldorado	100%	ML30783	Semillon	100%
MCC317	The Trump	100%	MCC907	Troy	100%	ML30784	Noir	100%
MCC334	Estralita Group	100%	MCC908	Troy	100%	ML30815	Blue Moon	100%
MCC340	The Trump	100%	MCC909	Troy	100%	ML30864	Verdelho	100%
MCC341	The Trump	100%	MCC910	Troy	100%	ML30865	Dong Dui	100%
MCC344	Mt Samuel	100%	MCC912	Troy	100%	ML30867	Thurgau	100%
MCC364	Estralita	100%	MCC913	Troy	100%	MLA29526	Blue Moon	100%
MCC365	Estralita	100%	MCC914	Rising Star	100%	MLA29527	Wiso	100%
MCC366	Estralita	100%	MCC915	Rising Star	100%	MLA29528	Wiso	100%
MCC461	Gibbet	100%	MCC925	Brolga	100%	MLA29529	Wiso	100%
MCC522	Gibbet	100%	MCC926	Brolga	100%	MLA29530	Wiso	100%
MCC523	Gibbet	100%	MCC969	Pinot	100%	MLA29531	Wiso	100%
MCC524	Gibbet	100%	MCC970	Pinot	100%	MLA29532	Wiso	100%
MCC55	Mondeuse	100%	MCC971	Pinot	100%	MLA30096	Malbec	100%
MCC56	Shiraz	100%	MCC972	Pinot	100%	MLC100	Warrego	100%
MCC57	Mondeuse	100%	MCC981	Franc	100%	MLC101	Warrego	100%
MCC66	Golden Forty	100%	MCC982	Franc	100%	MLC102	Warrego	100%
MCC67	Golden Forty	100%	ML22284	Billy Boy	100%	MLC107	Warrego	100%
MCC791	Marsanne	100%	ML23216	Chariot	100%	MLC108	Warrego	100%
MCC792	Marsanne	100%	ML23969	GeckoHeadframe	100%	MLC120	Cabernet / Nav 7	100%

## Mining Tenements Held at 30 June 2015

All tenements are held in Northern Territory, Australia

Tenement	Name	Interest	Tenement	Name	Interest	Tenement	Name	Interest
MLC121	Cabernet/Nav 7	100%	MLC184	Riesling	100%	MLC349	Brolga	100%
MLC122	Cabernet/Nav 7	100%	MLC204	Argo West	100%	MLC35	Golden Forty	100%
MLC123	Cabernet/Nav 7	100%	MLC205	Argo West	100%	MLC350	Brolga	100%
MLC127	Peko East Ext 4	100%	MLC206	Argo West	100%	MLC351	Brolga	100%
MLC129	Peko Sth- East	100%	MLC207	Argo West	100%	MLC352	Golden Forty	100%
MLC130	Golden Forty	100%	MLC208	Argo West	100%	MLC353	Golden Forty	100%
MLC131	Golden Forty	100%	MLC209	Argo West	100%	MLC354	Golden Forty	100%
MLC132	Golden Forty	100%	MLC21	Gecko	100%	MLC355	Golden Forty	100%
MLC133	Golden Forty	100%	MLC217	Perserverance	30%	MLC36	Golden Forty	100%
MLC134	Golden Forty	100%	MLC218	Perserverance	30%	MLC362	Lone Star	100%
MLC135	Golden Forty	100%	MLC219	Perserverance	30%	MLC363	Lone Star	100%
MLC136	Golden Forty	100%	MLC22	Warrego	100%	MLC364	Lone Star	100%
MLC137	Golden Forty	100%	MLC220	Perserverance	30%	MLC365	Lone Star	100%
MLC138	Golden Forty	100%	MLC221	Perserverance	30%	MLC366	Lone Star	100%
MLC139	Golden Forty	100%	MLC222	Perserverance	30%	MLC367	Lone Star	100%
MLC140	Golden Forty	100%	MLC223	Perserverance	30%	MLC368	Lone Star	100%
MLC141	Golden Forty	100%	MLC224	Perserverance	30%	MLC369	Lone Star	100%
MLC142	Golden Forty	100%	MLC253	Mulga 1	100%	MLC37	Golden Forty	100%
MLC143	Golden Forty	100%	MLC254	Mulga 1	100%	MLC370	Lone Star	100%
MLC144	Golden Forty	100%	MLC255	Mulga 1	100%	MLC371	Lone Star	100%
MLC146	Golden Forty	100%	MLC256	Mulga 2	100%	MLC372	Lone Star	100%
MLC147	Golden Forty	100%	MLC257	Mulga 2	100%	MLC373	Lone Star	100%
MLC148	Golden Forty	100%	MLC258	Mulga 2	100%	MLC374	Lone Star	100%
MLC149	Golden Forty	100%	MLC259	Mulga 2	100%	MLC375	Lone Star	100%
MLC15	Eldorado 4	100%	MLC260	Mulga 2	100%	MLC376	Mulga 1	100%
MLC158	Warrego gravel	100%	MLC261	Mulga 2	100%	MLC377	Mulga 1	100%
MLC159	Warrego gravel	100%	MLC32	Golden Forty	100%	MLC378	Mulga 1	100%
MLC16	Eldorado 5	100%	MLC323	Gecko	100%	MLC379	Mulga 1	100%
MLC160	Warrego gravel	100%	MLC324	Gecko	100%	MLC38	Memsahib East	100%
MLC161	Warrego gravel	100%	MLC325	Gecko	100%	MLC380	Mulga 1	100%
MLC162	Warrego gravel	100%	MLC326	Gecko	100%	MLC381	Mulga 1	100%
MLC163	Warrego gravel	100%	MLC327	Gecko	100%	MLC382	Mulga 1	100%
MLC164	Warrego gravel	100%	MLC342	Tinto	100%	MLC383	Mulga 1	100%
MLC165	Warrego gravel	100%	MLC343	Rocky Range	100%	MLC384	Mulga 2	100%
MLC176	Chariot	100%	MLC344	Rocky Range	100%	MLC385	Mulga 2	100%
MLC177	Chariot	100%	MLC345	Rocky Range	100%	MLC386	Mulga 2	100%
MLC18	West Gibbet	100%	MLC346	Rocky Range	100%	MLC387	Mulga 2	100%
MLC182	Riesling	100%	MLC347	Tinto	100%	MLC39	Short Range 5	100%
MLC183	Riesling	100%	MLC348	Brolga	100%	MLC4	Peko Extended	100%

## Mining Tenements Held at 30 June 2015

All tenements are held in Northern Territory, Australia

Tenement	Name	Interest	Tenement	Name	Interest	Tenement	Name	Interest
MLC40	Short Range 5	100%	MLC559	White Devil	100%	MLC626	Caroline	100%
MLC406	Comet	100%	MLC56	Golden Forty	100%	MLC644	Enterprise	100%
MLC407	Comet	100%	MLC560	White Devil	100%	MLC645	Estralita	100%
MLC408	Comet	100%	MLC57	Perserverence	30%	MLC654	TC8 Lease	100%
MLC409	Comet	100%	MLC576	Golden Forty	100%	MLC66	Traminer	100%
MLC41	Short Range 5	100%	MLC577	Golden Forty	100%	MLC67	Traminer	100%
MLC432	Mulga 1	100%	MLC581	Eldorado ABC	100%	MLC675	Black Angel	100%
MLC48	Tinto	100%	MLC582	Eldorado ABC	100%	MLC676	Black Angel	100%
MLC49	Mt Samual	100%	MLC583	Eldorado ABC	100%	MLC683	Eldorado	100%
MLC498	Eldorado	100%	MLC584	Golden Forty	100%	MLC69	Gecko	100%
MLC499	Eldorado	100%	MLC585	Golden Forty	100%	MLC692	Warrego Mine	100%
MLC5	Peko Extended	100%	MLC586	Golden Forty	100%	MLC70	Gecko	100%
MLC50	Eldorado Anom	100%	MLC591	TC8 Lease	100%	MLC700	White Devil	100%
MLC500	Eldorado	100%	MLC592	TC8 Lease	100%	MLC702		100%
MLC501	Eldorado	100%	MLC593	TC8 Lease	100%	MLC705	Apollo 1	100%
MLC502	Eldorado	100%	MLC594	TC8 Lease	100%	MLC71	Warrego	100%
MLC503	Eldorado	100%	MLC595	TC8 Lease	100%	MLC72	Warrego	100%
MLC504	Eldorado	100%	MLC596	TC8 Lease	100%	MLC73	Warrego	100%
MLC505	Eldorado	100%	MLC597	TC8 Lease	100%	MLC74	Warrego	100%
MLC506	Marion Ross	100%	MLC598	Golden Forty	100%	MLC75	Warrego	100%
MLC51	Eldorado Anom	100%	MLC599	Mt Samuel	85%	MLC76	Warrego	100%
MLC518	Ellen, Eldorado	100%	MLC601	TC8 Lease	100%	MLC78	Gecko	100%
MLC52	Muscadel	100%	MLC602	TC8 Lease	100%	MLC83	Warrego	100%
MLC520	Great Northern	100%	MLC603	TC8 Lease	100%	MLC84	Warrego	100%
MLC522	Aga Khan	100%	MLC604	TC8 Lease	100%	MLC85	Gecko	100%
MLC523	Eldorado	100%	MLC605	TC8 Lease	100%	MLC86	Gecko	100%
MLC524	Susan	100%	MLC606	Lone Star	100%	MLC87	Gecko	100%
MLC527	Mt Samual	100%	MLC607	Lone Star	100%	MLC88	Gecko	100%
MLC528	Dingo Eldorado	100%	MLC608	Lone Star	100%	MLC89	Gecko	100%
MLC529	Cats Whiskers	100%	MLC609	Lone Star	100%	MLC90	Gecko	100%
MLC53	Golden Forty	100%	MLC610	Lone Star	100%	MLC91	Carraman/Klond	100%
MLC530	Lone Star	100%	MLC611	Lone Star	100%	MLC92	Carraman/Klond	100%
MLC535	Eldorado No 5	100%	MLC612	Lone Star	100%	MLC93	Carraman/Klond	100%
MLC54	Golden Forty	100%	MLC613	Lone Star	100%	MLC94	Carraman/Klond	100%
MLC546	The Mount	100%	MLC614	Lone Star	100%	MLC95	Carraman/Klond	100%
MLC55	Golden Forty	100%	MLC615	Lone Star	100%	MLC96	Osprey	100%
MLC554	White Devil	100%	MLC616	Lone Star	100%	MLC97	Osprey	100%
MLC557	White Devil	100%	MLC617	Mt Samuel	50%	MLC98	Warrego	100%
MLC558	New Hope	100%	MLC619	True Blue	85%	MLC99	Warrego	100%

# Appendix 5B

## Mining exploration entity quarterly report

Name of entity

**Emmerson Resources Limited**

ABN

53 117 086 745

Quarter ended ("current quarter")

30 June 2015

### Consolidated statement of cash flows

<b>Cash flows related to operating activities</b>	Current quarter \$A'000	Year to date (12 months) \$A'000
1.1 Receipts from product sales and related debtors		
1.2 Payments for (a) exploration & evaluation (b) development (c) production (d) administration	(776)	(3,829)
1.3 Dividends received	299	349
1.4 Interest and other items of a similar nature received	33	130
1.5 Interest and other costs of finance paid		
1.6 Income taxes paid		
1.7 Other - Management & consulting fees received	89	346
Exploration costs reimbursed by JV Partner	1,057	4,141
R & D Tax Incentive	-	36
Sundry income	2	24
<b>Net Operating Cash Flows</b>	<b>424</b>	<b>(183)</b>
<b>Cash flows related to investing activities</b>		
1.8 Payment for purchases of: (a) prospects (b) equity investments (c) other fixed assets	(7)	(37)
1.9 Proceeds from sale of: (a) prospects (b) equity investments (c) other fixed assets		
1.10 Loans to other entities		
1.11 Loans repaid by other entities		
1.12 Environmental security deposits	(41)	(21)
<b>Net investing cash flows</b>	<b>(48)</b>	<b>(58)</b>
1.13 Total operating and investing cash flows (carried forward)	376	(241)

+ See chapter 19 for defined terms.



1.13	Total operating and investing cash flows (brought forward)	376	(241)
	<b>Cash flows related to financing activities</b>		
1.14	Proceeds from issues of shares, options, etc.	-	1,872
1.15	Proceeds from sale of forfeited shares		
1.16	Proceeds from borrowings		
1.17	Repayment of borrowings		
1.18	Dividends paid		
1.19	Share issue costs	-	(10)
	<b>Net financing cash flows</b>	<b>-</b>	<b>1,862</b>
	<b>Net increase (decrease) in cash held</b>	<b>376</b>	<b>1,621</b>
1.20	Cash at beginning of quarter/year to date	2,874	1,629
1.21	Exchange rate adjustments to item 1.20		
1.22	<b>Cash at end of quarter</b>	<b>3,250</b>	<b>3,250</b>

**Payments to directors of the entity and associates of the directors**

**Payments to related entities of the entity and associates of the related entities**

		Current quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	126
1.24	Aggregate amount of loans to the parties included in item 1.10	

1.25 Explanation necessary for an understanding of the transactions

Amounts in 1.23 are in relation to:  
Salary and superannuation paid to managing director; and  
Directors fees paid to non-executive directors

**Non-cash financing and investing activities**

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

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2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

Exploration expenditure is being incurred by Emmerson and reimbursed by Evolution Mining Limited pursuant to a farm-in agreement whereby Evolution will sole fund exploration expenditure of \$15 million over three years to earn a 65% interest (Stage 1 Farm-in) in Emmerson's Tennant Creek tenement holdings. A further \$10 million sole funded by Evolution over two years following the Stage 1 Farm-in, will allow Evolution to earn an additional 10% (Stage 2 Farm-in) of the tenement holdings. Emmerson is acting as manager during the Stage 1 Farm-in and is receiving a management fee during this period. Exploration expenditure attributable to the Stage 1 Farm-in to date is approximately \$5 million.

+ See chapter 19 for defined terms.

### Financing facilities available

*Add notes as necessary for an understanding of the position.*

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities		
3.2 Credit standby arrangements		

### Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation (to be sole funded by JV Partner)	-
4.2 Development	
4.3 Production	
4.4 Administration	300
<b>Total</b>	<b>300</b>

### Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.

	Current quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	90	27
5.2 Deposits at call	3,160	2,847
5.3 Bank overdraft		
5.4 Other (provide details)		
<b>Total: cash at end of quarter (item 1.22)</b>	<b>3,250</b>	<b>2,874</b>

+ See chapter 19 for defined terms.

**Changes in interests in mining tenements**

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter	
6.1	Interests in mining tenements relinquished, reduced or lapsed	MCC 759	Direct	100%	Nil
		MCC 760	Direct	100%	Nil
		MCC 758	Direct	100%	Nil
		MCC 761 to 762	Direct	100%	Nil
		MCC 377	Direct	100%	Nil
		MLC 575	Direct	100%	Nil
		HLDC36	Direct	100%	Nil
		MCC 790	Direct	100%	Nil
		MCC 812	Direct	100%	Nil
		MCC 803	Direct	100%	Nil
6.2	Interests in mining tenements acquired or increased	ML 30781	Direct	Nil	100%
		ML 30782	Direct	Nil	100%
		ML 30783	Direct	Nil	100%
		ML 30784	Direct	Nil	100%
		ML 30815	Direct	Nil	100%
		ML 30864	Direct	Nil	100%
		ML 30865	Direct	Nil	100%
		ML 30867	Direct	Nil	100%

+ See chapter 19 for defined terms.

### Issued and quoted securities at end of current quarter

Description includes rate of interest and any redemption or conversion rights together with prices and dates.

	Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1 <b>Preference +securities</b> <i>(description)</i>				
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 <b>+Ordinary securities</b>	377,636,454	377,636,454		
7.4 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs				
7.5 <b>+Convertible debt securities</b> <i>(description)</i>				
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 <b>Options</b> <i>(description and conversion factor)</i>	<i>Options:</i> 7,000,000 <i>Rights:</i> 56,250 1,000,000 237,500	- - - -	<i>Exercise price</i> \$0.0485  Nil Nil Nil	<i>Expiry date</i> 31/12/17  25/11/16 04/12/17 25/11/17
7.8 Issued during quarter				
7.9 Exercised during quarter				
7.10 Expired during quarter	<i>Options:</i> 2,000,000		<i>Exercise price</i> \$0.0485	<i>Expiry date</i> 31/12/17
7.11 <b>Debentures</b> <i>(totals only)</i>				
7.12 <b>Unsecured notes</b> <i>(totals only)</i>				

+ See chapter 19 for defined terms.



## Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 5).
- 2 This statement does give a true and fair view of the matters disclosed.



Sign here: ..... Date: 30 July 2015  
Company Secretary

Print name: Trevor Verran

## Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Financial Reporting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.