



**KALGOORLIE-BOULDER
RESOURCES LTD**

ABN 48 106 732 487

**ACTIVITIES REPORT
FOR THE QUARTER ENDED 31 MARCH 2008**

HIGHLIGHTS – MARCH QUARTER

- *Increase in gold resources at Norseman Gold Project*
- *Major groups commissioned for Scoping study of Norseman Gold Project*
- *VTEM – Geophysical survey at Norseman indicates numerous conducting targets*
- *SQUID – Geophysical survey at Clinker Hill underway*

ROAD MAP – JUNE QUARTER

- *Produce results from Norseman Scoping study*
- *Results from SQUID survey and drill position planning*
- *Commence Pre-Feasibility for the Norseman Gold Project*

INTRODUCTION

Kalgoorlie-Boulder Resources Ltd (ASX: KAL and KALO) (the “Company” or “KBRL”) is pleased to report its production and exploration activities report for the quarter ended 31 March 2008.

NORSEMAN GOLD PROJECT

Resource upgrade

During the quarter, the Company completed an update of the Mineral Resources for the wholly-owned Norseman Gold Project based on the resource drilling programs conducted from June to October 2007. The resource modelling based on the drilling, has resulted in an upgrade in the Indicated Resources at its 100% owned Norseman Gold Project.

This upgrade now means that the total Norseman resource comprises **68%** Indicated resources, which puts the resource base ahead of most other junior companies in the sector and gives the Company a distinct advantage when choosing funding options for the development of the project.

The total Indicted Resources at Norseman now stands at a total of **17.4Mt @ 1.7g/t** for **950,000** ounces. This is an increase of 1 million tonnes and 50,000 ounces on the previously reported resource in December 2007.

The increase is a result of an infill drilling program completed at Mt Henry and Selene in late 2007. This drilling improved the geological confidence allowing the upgrading of previously JORC compliant Inferred Resources to JORC compliant Indicated Resources.

The table below shows the current Total JORC resource for the Norseman project.

Category	Millions of Tonnes	Au g/t	Thousands ounces (koz)
Indicated			
Mount Henry	5.6	1.9	350
Selene	11.8	1.6	600
Total Indicated	17.4	1.7	950
Inferred			
Mount Henry	4.9	1.8	280
Selene	3.1	1.4	140
Abbotshall	0.5	2.0	30
North Scotia	0.3	3.4	40
Total Inferred	8.9	1.7	490
Resource Total	26.3	1.7	1.44 Moz

Scoping study

Highlights

- Commissioning of Major consulting groups to conduct capital and operating costing studies.
- Commissioning of a Project Manager for the Norseman scoping study.

During the Quarter the Company commissioned the Downer EDI Engineering group, Element CMC and J Macintyre and Associates to conduct various studies which will be incorporated into the scoping study.

This scoping study will build on the previous exhaustive Pre-Feasibility studies carried out by Kinross Gold in 2001, which proved that the Mt Henry and Selene ore-bodies could be mined and milled in a stand-alone process plant economically but had an insufficient investment criteria for Kinross Gold at a gold price of AUD\$550/oz.

Extensive process plant design and capital cost studies had been commissioned by Kinross Gold with JR Engineering, in 2001. JR Engineering have since been acquired by Downer EDI, so the company has been retained to re-evaluate the previous capital costing studies in light of recent rises in materials and labour costs.

The process plant design is a Carbon in Leach plant that was designed specifically for the Mt Henry and Selene ore types but allowed for some flexibility to allow other ore-types to be processed as well.

Downer EDI are one of the largest mineral process plant designers and builders in Australia having been involved with some of the largest gold process plants in Western Australia.

J Macintyre and Associates have been commissioned to re-evaluate the group's previous work for Kinross Gold with the previous Pre-Feasibility studies. The Metallurgical test-work and reports that were carried out form the basis for the design work by JR Engineering. J Macintyre and Associates will conduct the process cost studies, based on JR Engineering's process plant design and will update the labour and consumable costs with current prices.

J Macintyre and Associates have been involved in the metallurgical and mineral processing industry for several years conducting studies in Gold and Nickel plants and processes for several goldfields companies.

Element CMC group have been commissioned to manage the scoping study process, having been involved with process facilitation and the Feasibility study for Iluka Resources Limited mineral sands plant upgrade, amongst others. The team at Element CMC have also assisted some of the major gold mining companies to conduct feasibility studies and process plant upgrades.

The results of the scoping study will be used to determine the development route for the project by directing the exploration efforts and determining where the efforts of the technical and management team are best spent.

Some of the activities planned during the next period are follow-up exploration, further metallurgical work and geotechnical studies on the major resources. It is planned that the outcomes of this work will be included into the Pre-feasibility studies.

VTEM – Geophysical surveys

Highlights

- **Airborne VTEM survey has identified numerous high priority targets.**
- **VTEM targets along strike of major resources at Norseman.**

During the quarter the Company undertook a geophysical survey of the Norseman project using a helicopter based Versatile Time Domain Electro-Magnetic survey (VTEM).

The Norseman VTEM survey covered 158km² and totalled 750 line kilometres and was completed in January. Data processing has been ongoing since then.

The survey identified 16 separate new anomalies in areas which have not previously been drilled. These new anomalies are considered highly encouraging when compared to similar

VTEM anomalies associated with the Mt Henry, Selene and Abbotshall deposits where those deposits have shown a significant EM response. The EM signatures of the known ore-bodies will be used to identify other exploration targets.

These anomalies are considered high-priority targets for follow-up exploration..

The results of this important exploration initiative – the first time such technology has been employed for gold exploration in the Norseman region - have substantially confirmed the Company's belief in the potential for numerous "blind" exploration targets at Norseman.

The company was pleased with the results as the system displayed excellent ground penetration and the EM signals were not overly masked by surface or salt conductivity in the overlying soils, a common fault of surveys conducted in weathered Archean terrains and salt lake environments.

Lake Johnson

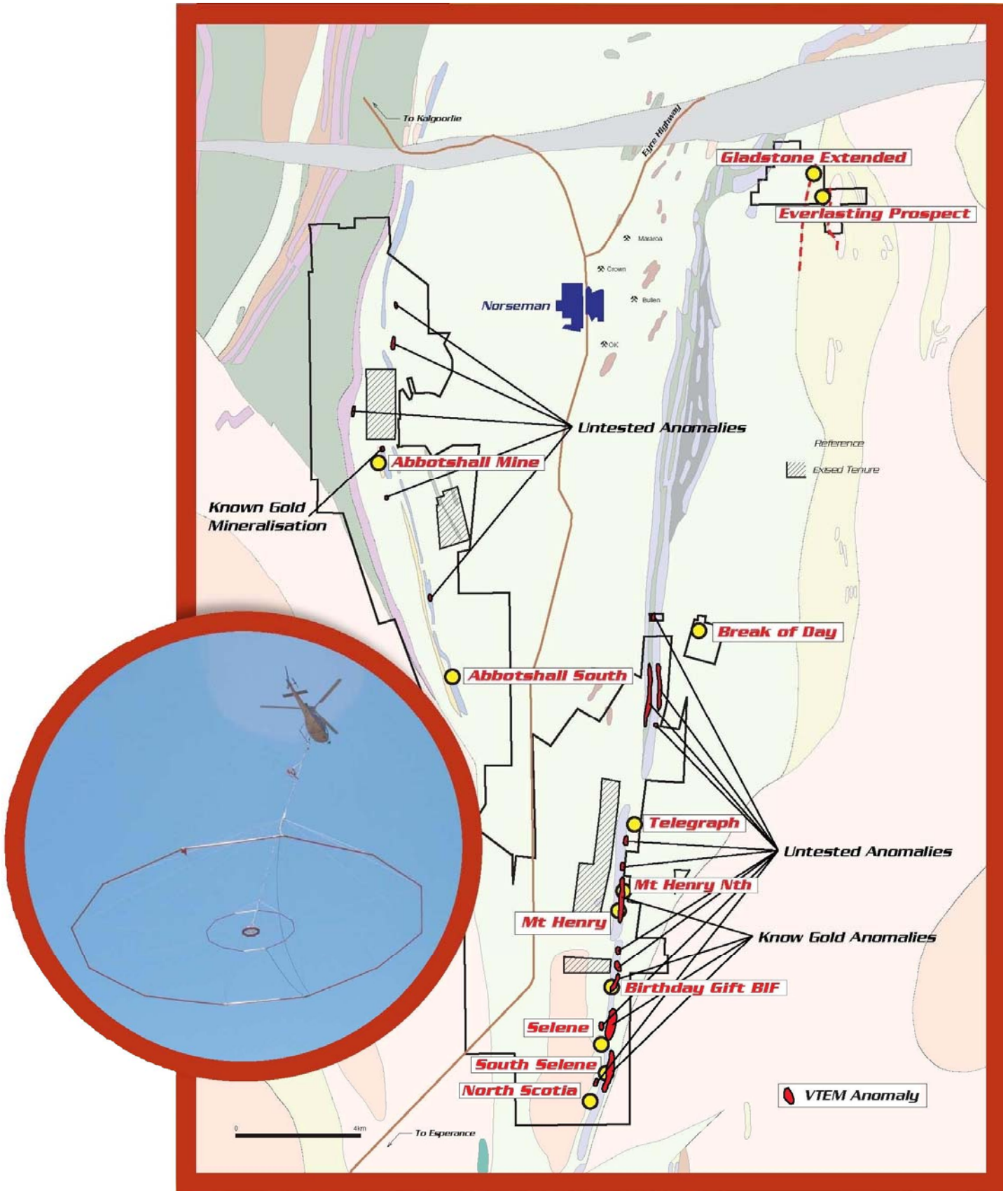
A VTEM survey was conducted over the Lake Johnson Nickel project and found that there were no significant EM conductors within the tenement area.

The Lake Johnson VTEM survey totalled 158 line kilometres and was completed in January, prior to the helicopter moving to the Norseman site.

The Lake Johnson survey was designed to follow-up on a Magnetic anomaly which was identified by previous lease holders. The EM survey indicated that there was an extension to a small sliver of Ultramafic material, adjacent to the shores of Lake Johnson salt lake and could be an analogy to the Maggie Hays ore body type, located some 30 kilometres to the North West.

Previous geochemical survey work conducted by KBRL showed trace nickel and associated indicator elements but no significant anomalism. It was thought that the low geochemical response may have been due to the salt lake and dunal environment but the VTEM survey was definitive.

See attached plan for details.



VTEM – Anomalies and Targets, showing current resources and exploration projects.

Clinker Hill Nickel Project

During the March quarter the Company commissioned an EM survey at the Clinker Hill project.

This survey followed the successful geochemical survey conducted during the 2007 calendar year. This survey enhanced the definition of coincident nickel, copper, cobalt, platinum and palladium anomalies along the mapped basal contact. This suite of anomalous elements is characteristic of nickel sulphide ore deposits in the Kalgoorlie-Kambalda area.

The latest geochemical program identified a new area of anomalism considered prospective for nickel and associated minerals. Consequently, the strike length of the anomalism had been increased from five kilometres to seven kilometres.

A SQUID EM geophysical survey was completed along the length of the basal contact, including the newly identified anomalous extensions. It is hoped that this survey will delineate any areas of massive or semi-massive nickel sulphide mineralisation. This type of geophysical survey has been used successfully to identify new nickel ore bodies by Consmin Nickel Pty Ltd and Mincor Resources Ltd in adjacent areas.

The survey commenced in February 2008 and the Company is awaiting the final processing and interpretation which will occur in April/May. Any anomalies identified by the survey will then be ranked for follow up drill testing.

NEXT QUARTER ACTIVITIES.

- **Clinker Hill SQUID Survey results and evaluate drill targets.**
- **Dunnsville Gold Project exploration – RC Drilling**
- **Norseman Scoping study results.**
- **Commencement of Pre-Feasibility study**

For further information please contact:

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The information in this report that relates to Exploration Results is based on information compiled by Richard Breyley, who is a member of the Australasian Institute of Mining and Metallurgy. Richard Breyley is a full time employee of Kalgoorlie Boulder Resources. Richard Breyley has sufficient experience which is relevant to the style of mineralisation and the type of ore deposit under consideration and the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves. Richard Breyley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Appendix 5B

Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

KALGOORLIE-BOULDER RESOURCES LIMITED

ABN

48 106 732 487

Quarter ended ("current quarter")

31 March 2008

Consolidated statement of cash flows

	Current quarter \$A'000	Year to date (9 months) \$A'000
Cash flows related to operating activities		
1.1 Receipts from product sales and related debtors	-	3,123
1.2 Payments for		
(a) exploration and evaluation	(127)	(915)
(b) development	-	-
(c) production	-	(1,618)
(d) administration	(80)	(711)
1.3 Dividends received	-	-
1.4 Interest and other items of a similar nature received	38	57
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Other (provide details if material) – Movement in working capital	-	(871)
Net Operating Cash Flows	(169)	(935)
Cash flows related to investing activities		
1.8 Payment for purchases of:		
(a)prospects	-	-
(b)equity investments	-	-
(c) other fixed assets	-	(11)
1.9 Proceeds from sale of:		
(a)prospects	24	24
(b)equity investments	-	-
(c)other fixed assets	-	-
1.10 Loans to other entities	-	-
1.11 Loans repaid by other entities	-	-
1.12 Other – cash backed guarantees	-	(128)
Net investing cash flows	24	(115)
1.13 Total operating and investing cash flows (carried forward)	(145)	(1,050)

+ See chapter 19 for defined terms.

Appendix 5B – Kalgoorlie-Boulder Resources Ltd
Mining exploration entity quarterly report

1.13	Total operating and investing cash flows (brought forward)	(145)	(1,050)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares, options, etc.	-	2,500
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (provide details if material) – Cost of capital raising	(378)	(488)
	Net financing cash flows	(378)	2,012
	Net increase (decrease) in cash held	(523)	962
1.20	Cash at beginning of quarter/year to date	2,491	1,006
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	Cash at end of quarter	1,968	1,968

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	28
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

Payment of directors' fees.

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

N/A

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

N/A

+ 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	nil	nil
3.2 Credit standby arrangements	nil	nil

Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation	483
4.2 Development/Production	-
Total	483

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	1,968	2,491
5.2 Deposits at call	-	-
5.3 Bank overdraft	-	-
5.4 Other (provide details) – fixed term deposit	-	-
Total: cash at end of quarter (item 1.22)	1,968	2,491

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	E 63/844	6 Blocks relinquished. 4 th Year	12 Blocks	6 Blocks
6.2 Interests in mining tenements acquired or increased				

+ See chapter 19 for defined terms.

Appendix 5B – Kalgoorlie-Boulder Resources Ltd
Mining exploration entity quarterly report

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 Preference securities <i>(description)</i>				
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions				
7.3 +Ordinary securities	174,780,277	126,280,277		
7.4 Changes during quarter (a) Increases through issues - release from escrow (b) Decreases through returns of capital, buy-backs		1,500,000		
7.5 +Convertible debt securities <i>(description)</i>	12	-		
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted				
7.7 Options <i>(description and conversion factor)</i>	51,555,472 8,250,000 2,250,000 2,000,000 2,000,000 1,300,000 1,300,000	51,555,472 - - - - - -	<i>Exercise price</i> 20 cents 30 cents 40 cents 10 cents 20 cents 10 cents 20 cents	<i>Expiry date</i> 31 July 2008 31 July 2008 31 July 2008 5 December 2010 5 December 2010 5 December 2010 5 December 2010
7.8 Issued during quarter				
7.9 Exercised during quarter				

+ See chapter 19 for defined terms.

Appendix 5B – Kalgoorlie-Boulder Resources Ltd
Mining exploration entity quarterly report

7.10	Expired during quarter				
7.11	Debentures <i>(totals only)</i>				
7.12	Unsecured notes <i>(totals only)</i>				

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 4).
- 2 This statement does ~~not~~* *(delete one)* give a true and fair view of the matters disclosed.



Sign here: Date: 30 April 2008
 (Director/Company secretary)

Print name: Andrew Chapman (Company Secretary)

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 1022: Accounting for Extractive Industries* and *AASB 1026: Statement of Cash Flows* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting 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.