Quarterly Report

For the period ended 31 March 2010

HIGHLIGHTS

- **Updated Resource at Myrtle of 43.6 million tonnes grading 5.03% Zn+Pb.**
- **2.2 million tonnes (4.8 billion pounds) of contained zinc and lead.**
- **Metallurgical testwork encouraging, although still preliminary in nature.**
- **High grade drilling targets identified.**
- **Increased ground position secured.**

MYRTLE ZINC-LEAD PROJECT, AUSTRALIA

Despite the higher than average wet season rainfall in the project area, Rox has continued to progress the Myrtle zinc-lead project in the Northern Territory.

Drilling during the December 2009 quarter allowed a revised resource estimate to be completed during the quarter. This was announced on 15 March 2010.

Initial metallurgical testwork was encouraging with recoveries of 90% zinc and 74% lead achieved, and further testwork has been undertaken. Results are now available and show encouragement that a marketable grade concentrate can be produced.

The RC drilling during the December quarter, and detailed re-logging of existing drill core enabled a better understanding of the Myrtle deposit to be gained, and a new exploration model for the deposit to be produced. This model, incorporating a detailed comparison with the nearby world class McArthur River deposit, suggests that drilling to date has occurred on the edges of the main mineralised system at Myrtle. This interpretation has identified targets for higher grade mineralisation to the north-west of the existing drilling.

Mineral Resource

The revised resource contains 13% in the Indicated category and represents an 18.5% increase in tonnes and 14.7% increase in contained metal over the previous estimate.

The resource is still open to the north and west and at a lower cut-off of 3% Zn + Pb is:

- **43.6 million tonnes @ 4.09% Zn, 0.95% Pb, for 5.03% Zn + Pb**

The resource contains **2,193,000 tonnes (approximately 4.8 billion pounds) combined insitu zinc and lead metal**, comprising **1,780,000 tonnes of zinc** and **412,000 tonnes of lead**.

At a lower cut-off of 5% Zn + Pb the resource is:

- **15.3 million tonnes @ 5.45% Zn, 1.40% Pb, for 6.84% Zn + Pb**

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Table 1: Myrtle Deposit Mineral Resource

Cut-off Zn+Pb%	Category	Tonnes (Mt)	Zn %	Pb %	Zn+Pb %	Zn kt	Pb kt	Zn+Pb kt
3	Indicated	5.8	3.56	0.90	4.45	205	52	257
3	Inferred	37.8	4.17	0.95	5.12	1,575	361	1,936
TOTAL		**43.6**	**4.09**	**0.95**	**5.03**	**1,780**	**412**	**2,193**
Previous		36.8	4.19	1.01	5.20	1,541	372	1,912
5	Indicated	1.2	5.38	1.42	6.80	64	17	81
5	Inferred	14.1	5.45	1.39	6.85	768	196	965
TOTAL		**15.3**	**5.45**	**1.40**	**6.84**	**833**	**213**	**1,046**
Previous		15.1	5.49	1.46	6.95	831	221	1,051

Metallurgical Testwork

Metallurgical testwork was designed and supervised by Mineral Engineering Technical Services Pty Ltd ("METS"), and was undertaken in a number of stages at AMMTEC Laboratories in Perth.

The results received for the first stage of the test work, reported on 14 October 2009, established that high recoveries for zinc (90%) and lead (74%) were achievable and gave the company the encouragement to proceed to a second stage of testwork. This second stage extended the scope to investigate various flotation processes to produce separate zinc and lead concentrates, and to establish the grade of those concentrates.

A QEMSCAN analysis showed that the mineralogy of the ore was:

35.8% dolomite (carbonate gangue mineral)
22.8% feldspar (silicate gangue mineral)
13.8% pyrite (iron sulphide, FeS)
13.3% sphalerite (zinc sulphide, ZnS)
6.4% quartz (silicate gangue mineral)
1.2% galena (lead, sulphide, PbS)
6.7% other gangue minerals

Flotation testwork initially focussed on selective flotation to produce separate zinc (Zn) and lead (Pb) concentrates. An improved reagent regime in Stage 2 achieved a rougher concentrate at a higher lead grade than in Stage 1 (Table 2, 12.5% Pb vs. 6.04% Pb). The result for Zn in Stage 2 was also an improvement on the Stage 1 result (Table 2, 26.7% Zn vs. 25.2% Zn). The grind size was 53 microns in both stages.

Table 2: Comparison of Stage 1 vs Stage 2 Selective Flotation Results

	Pb %	Pb Rec %	Zn %	Zn Rec %	Mass %
Stage 1 Feed Grade	1.20		5.06		
Pb Ro Con	6.04	33.0	6.44	8.1	6.6
Zn Ro Con	2.78	41.0	25.20	82.3	18.1
Total Ro Con	***3.65***	***74.0***	***20.12***	***90.4***	***24.7***
Stage 2 Feed Grade	1.28		5.50		
Pb Ro Con	12.50	55.8	4.87	5.1	5.7
Zn Ro Con	1.48	15.9	26.70	88.2	18.2
Total Ro Con	***3.98***	***71.7***	***21.49***	***93.3***	***23.9***

Overall recoveries in Stage 2 for Pb and Zn were similar to Stage 1 (slightly higher for Zn, slightly lower for Pb). For lead, the recovery and grade to the lead rougher concentrate in Stage 2 was significantly better (12.5% Pb, 55.8% Pb Rec) than for Stage 1 (6.04% Pb, 33.0% Pb Rec). For zinc, the recovery and grade to the zinc rougher concentrate was marginally better in Stage 2 than in Stage 1.

The Stage 2 rougher concentrates were then "cleaned" by re-grinding to 38 microns and further "cleaning" flotation stages. While this cleaning was not optimised for reagents, grind size or other conditions, a further improvement for Zn grade was shown, from 26.7% to 41.6% (Table 3), an upgrade of 56%, with a decrease in recovery from 88.2% to 77.0%. For Pb the grade was increased from 12.5% Pb to 17.6% Pb, an upgrade of 41%, and recovery fell from 55.8% to 36.6%.

Given that the cleaning stages (and the roughing stage) have not yet been optimised, these are encouraging results and indicate that with further optimisation a marketable grade concentrate will probably be able to be produced.

Table 3: Cleaning of Stage 2 Rougher Concentrates

	Pb %	Pb Rec %	Zn%	Zn Rec %	Mass %
Feed Grade	1.28		5.50		
Pb Ro Con	12.5	55.8	4.87	5.07	5.70
Pb Cl Con	17.6	36.6	4.35	2.10	2.66
Pb Ro/Cl Upgrade %	***141***	***66***	***89***	***41***	***47***
Zn Ro Con	1.48	15.9	26.7	88.2	18.2
Zn Cl Con	1.88	14.9	41.6	77.0	10.2
Zn Ro/Cl Upgrade %	***127***	***94***	***156***	***87***	***56***

A bulk flotation test at 53 microns achieved a concentrate grade of 31.1% Zn and 7.1% Pb after cleaning at 38 microns (Table 4). Recoveries were 68.5% for Zn and 67.7% for Pb. Again, given that this test was not optimised for reagents, grind size or other conditions, it is an encouraging result.

Table 4: Bulk Flotation Results

	Pb %	Pb Rec %	Zn%	Zn Rec %	Mass %
Feed Grade	1.28		5.50		
Total Ro Con	4.57	72.0	19.5	71.3	19.6
Total Cl Con	7.12	67.7	31.1	68.5	11.8
Total Ro/Cl Upgrade %	***156***	***94***	***159***	***96***	***60***

Other tests that were carried out included:

Bond Ball Mill Work Index: 18.8 kWh/dry tonne, which is an average value for the hard rock industry and indicates there will be few comminution issues.

Particle Size Analysis: Almost 90% of rougher concentrate particles are less than 38 microns in size, however, recovery of Zn was very good at 53 microns, while Pb was good at 38 microns.

Flash Flotation for Pb: Flash flotation recovers liberated coarse particles. A flash flotation test showed that improved recoveries of Pb could be achieved, with 43.7% recovery at a grade of 27.2% Pb. Compare this with the selective flotation result in Table 3 of 36.6% recovery and grade of 17.6% Pb.

Heavy Liquid Separation: This test indentified that the best upgrade occurred at the coarsest size attempted, 3.35 mm, with upgrade of Pb and Zn both by approximately 100% on the feed grade. A "sinks" concentrate of 2.35% Pb and 10.8% Zn was produced from 25.5% of the mass.

In summary, the results from the testwork, while not exhaustive nor optimised, have produced encouraging results at relatively coarse grind sizes (for this type of mineralisation). It is important to note that no ultra-fine grinding has yet been carried out, and this technique, commercially employed at the McArthur River mine, would probably add considerably to the recoveries and concentrate grades.

There are a number of options still open for the treatment of ore from Myrtle. The best option seems to be a selective flotation (to produce separate concentrates of Pb and Zn), with a combination of flash flotation and heavy liquid separation to aid recoveries. Finer grinding at the cleaning stages would probably enable increased grades and recoveries to be achieved, although this has not yet been tested.

Further metallurgical testwork will be required to determine the optimum processing techniques, however enough testwork has been completed at this stage to encourage the Company to continue with exploration by drilling the identified high grade targets.

Land Tenure

During the quarter Rox was advised of the grant of a new 109km^2 exploration licence immediately adjacent to its current tenement at Myrtle (Figure 1).

This new tenement, EL27541 "Myrtle North", extends from immediately north of the Myrtle deposit to just 6km south of the world class McArthur River Zinc mine. Preliminary investigations by Rox have identified a number of targets for SEDEX style Pb – Zn mineralisation similar to Myrtle and McArthur River. In particular a number of electro-magnetic geophysical anomalies, similar to Myrtle and McArthur River are present.

Corporate

Due to other business commitments Mr Michael Blakiston tendered his resignation as a Non-Executive Director of the Company effective 31 March 2010. Mr Blakiston was a founding Director of Rox and the board expresses its thanks for the guidance he has provided over the years.

Effective 31 March 2010 Mr Brett Dickson was appointed to the board. Mr Dickson has a Bachelors degree in Economics and Finance and is a Certified Practising Accountant. He has considerable experience in senior management roles in the resources sector, both in minerals and oil & gas and in countries as diverse as Laos, Finland, the Ukraine, Papua New Guinea, South Africa and Mexico. Mr Dickson also acts as the Company Secretary for Rox and will continue in that role.

Dated this 30th day of April 2010.

Signed on behalf of the Board of Rox Resources Limited.

IAN MULHOLLAND
Managing Director

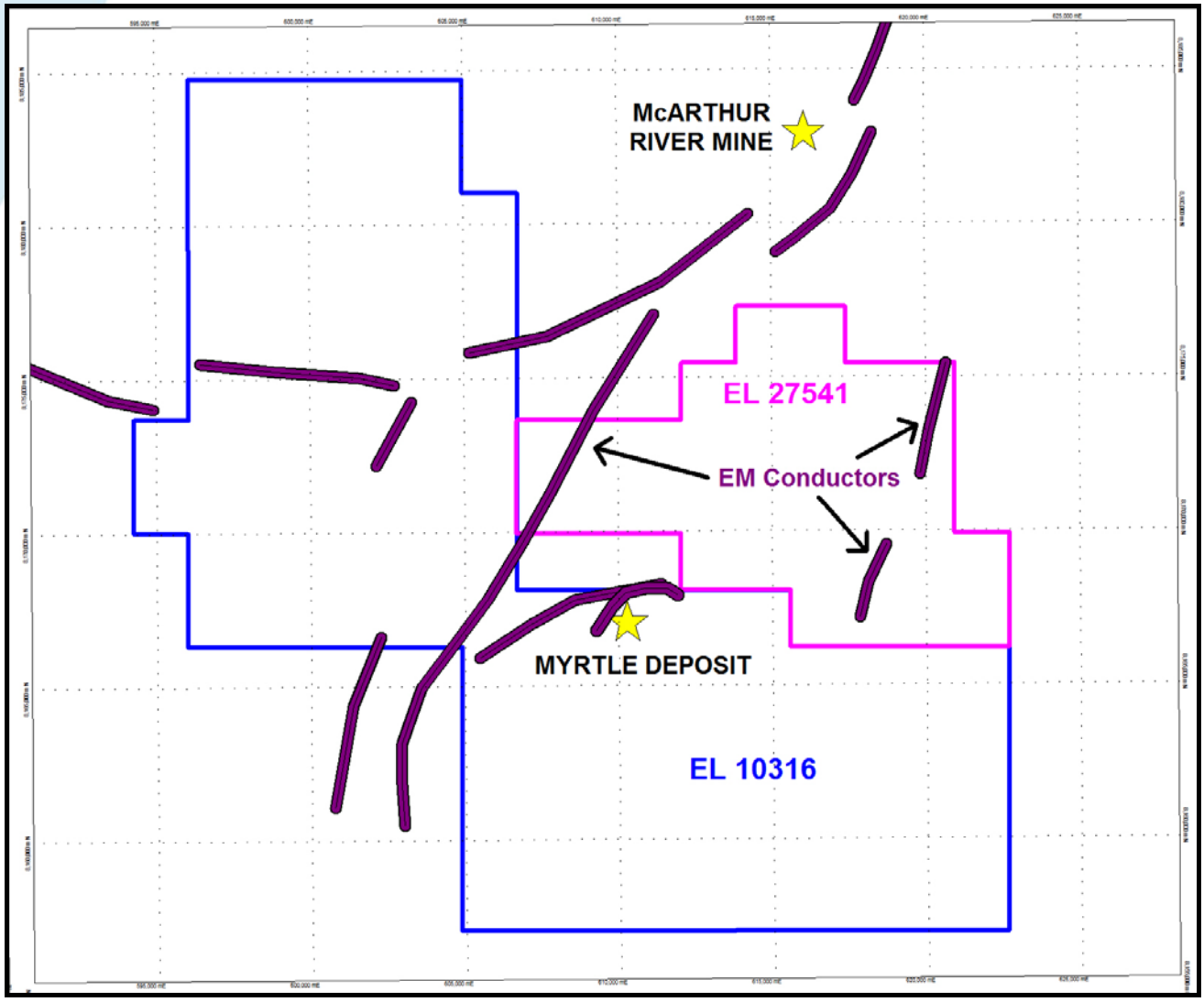

Figure 1: Location Plan of EL 27541 showing EM anomalies and deposit locations

About Rox Resources

Rox Resources (ASX: RXL) is an Australian exploration company focussing on zinc-lead deposits, particularly deposits of the Mississippi Valley Type (MVT) and Sedimentary Exhalative Type (SEDEX).

Rox owns 100% of the Reward project tenement which covers 379km^2 adjacent to the world class McArthur River zinc-lead deposit in the Northern Territory. A SEDEX style deposit has been identified by Rox at the Myrtle prospect, where an Inferred Mineral Resource of 43.6 million tonnes grading 4.09% Zn and 0.95% Pb has been delineated. Thick drill intercepts of prospective stratigraphy carrying significant zinc-lead grades have already been made but only a small portion of the prospective area has been drilled, and Rox is extremely confident the resource will to continue to grow with further drilling. A higher grade core of 15 million tonnes grading 5.45% Zn and 1.40% Pb is present, and a large mineralised system is indicated.

IP and EM geophysical surveying, soil sampling and geologic interpretation also indicate the potential for shallow near surface mineralisation which may be exploitable by open pit mining. Several other prospects in the tenement area have similar potential to Myrtle but are at an early stage of exploration.

Rox continues to actively review potential new opportunities, particularly in Australia and South East Asia.

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Ian Mulholland BSc (Hons), MSc, FAusIMM, FAIG, FSEG, MAICD, who is a Fellow of The Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Mulholland 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 of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Mulholland is a full time employee of the Company and 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

Name of entity

ROX RESOURCES LIMITED

ACN or ARBN	Quarter ended ("current quarter")
107 202 602	**31 March 2010**

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	-	-
1.2	Payments for: (a) exploration and evaluation	(74)	(463)
	(b) development	-	-
	(c) production	-	-
	(d) administration	(140)	(584)
1.3	Dividends received	-	-
1.4	Interest and other items of a similar nature received	8	14
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Other – Security bonds repayments	-	27
	Net Operating Cash Flows	(206)	(1,006)
	Cash flows related to investing activities		
1.8	Payment for purchases of:		
	(a) prospects	-	-
	(b) equity investments	-	-
	(c) other fixed assets	-	-
1.9	Proceeds from sale of: (a) prospects	-	-
	(b) equity investments	-	156
	(c) other fixed assets	(4)	(3)
1.10	Loans to other entities	-	-
1.11	Loans repaid by other entities	-	-
1.12	Other -	-	-
	Net investing cash flows	(4)	153
1.13	Total operating and investing cash flows (carried forward)	(210)	(853)

1.13	Total operating and investing cash flows (brought forward)	(210)	(853)
	Cash flows related to financing activities		
1.14	Proceeds from issues of shares (net of costs)	-	1,496
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	-	-
	Net financing cash flows	-	1,496
	Net increase (decrease) in cash held	(210)	643
1.20	Cash at beginning of quarter/year to date	1,276	423
1.21	Exchange rate adjustments to 1.20	-	-
1.22	**Cash at end of quarter**	1,066	1,066

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	62
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

N/A

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

Nil

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	150
4.2	Development	-
	Total	150

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	16	16
5.2	Deposits at call	1,050	1,260
5.3	Bank overdraft	-	-
5.4	Other (provide details)	-	-
	Total: cash at end of quarter (item 1.22)	1,066	1,276

Changes in interests in mining tenements

-

Issued and quoted securities at end of current quarter

	Total number	Number quoted	Issue price per security (cents)	Amount paid up per security (cents)
7.1 **Preference securities** *(description)*	-			
7.2 Changes during quarter	-			
7.3 **Ordinary securities**	217,551,751	217,551,751		
7.4 Changes during quarter - Issued	30,000	30,000	$0.015	$0.015
7.5 **Convertible debt securities** *(description and conversion factor)*	-			
7.6 Changes during quarter	-			
7.7 **Options**			*Exercise Price*	*Expires*
(description and conversion factor)	30,160,238	30,160,238	$0.10	30 June 2011
	37,612,293	37,612,293	$0.015	31 July 2011
	2,000,000	Nil	$0.35	30 Nov 2010
	7,500,000	Nil	$0.038	26 Sept 2012
7.8 Issued during quarter	-	-	-	-
7.9 Exercised during quarter	30,000	30,000	$0.015	31 July 2011
7.10 Expired during quarter	-	-	-	-
7.11 **Debentures** *(totals only)*	-	-	-	-
7.12 **Unsecured notes** *(totals only)*	-	-	-	-

Compliance statement

1. This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Law or other standards acceptable to ASX.

2. This statement does give a true and fair view of the matters disclosed.

Sign here: Date: 30th April 2010

Company Secretary

Print Name: Brett Dickson