



## ASX/MEDIA RELEASE

11 August 2009

### MYRTLE PROJECT UPDATE

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Rox Resources Limited (ASX: RXL) ("Rox") is pleased to advise the following update and plans for progression of its Myrtle Zinc Project in the Northern Territory.

As previously announced, Rox is undertaking a fully underwritten renounceable Rights Issue which will raise approximately \$1.6 million. Patersons Securities Limited are acting as Lead Manager and Underwriter to the issue, with the principal use of the funds raised being to progress exploration and development activities at Myrtle. This will include:

1. Drilling at Myrtle with the aim to:
  - a) significantly expand the current resource;
  - b) test and evaluate the open pit potential;
  - c) obtain further samples for mineralogical and metallurgical evaluation.
  
2. Metallurgical testwork to:
  - a) establish the recoveries of zinc and lead;
  - b) establish the crushing, grinding and flotation characteristics of the ore;
  - c) establish sufficient parameters so that a likely process operating and capital cost can be estimated.
  
3. Complete a Scoping Study to demonstrate the positive economics of the project.

#### Mineral Resource

To date Rox has established a large Inferred Mineral Resource at Myrtle of **38Mt @ 5.2% Zn+Pb** (at a 3% Zn+Pb cut-off). The size of this resource is only limited by the relatively small amount of drilling at Myrtle, with the mineralisation not closed off to the north, west, or south, (Figure 1). There is significant scope to greatly increase the resource by further drilling in the areas designated as "open" in Figure 1. Once funds are received from the Rights Issue it will be the aim of the company to test those "open" areas as effectively as possible.

Soil sampling in the area has shown a large north-east, south-west trending coherent soil anomaly. This anomaly trends along a boundary which is thought to be where the deposit comes to surface. If this is the case then there is potential for the entire 2km length of the soil anomaly to represent a resource capable of being mined by open pit methods, and this will be investigated in the next phase of work. If an open pit is viable it would benefit the project economics significantly.

It is common for large SEDEX deposits to have significant zones of higher grade mineralisation which can support project economics, especially at times of low metal prices and Myrtle is no different. At a higher cut-off limit of 5% Zn+Pb the Inferred Resource at Myrtle is **15Mt @ 7% Zn+Pb**. As the overall resource at Myrtle grows this important sub-set is expected to grow proportionately. Importantly, as can be seen in Figure 2, this higher grade resource is a coherent continuous zone which would make mining relatively easy.

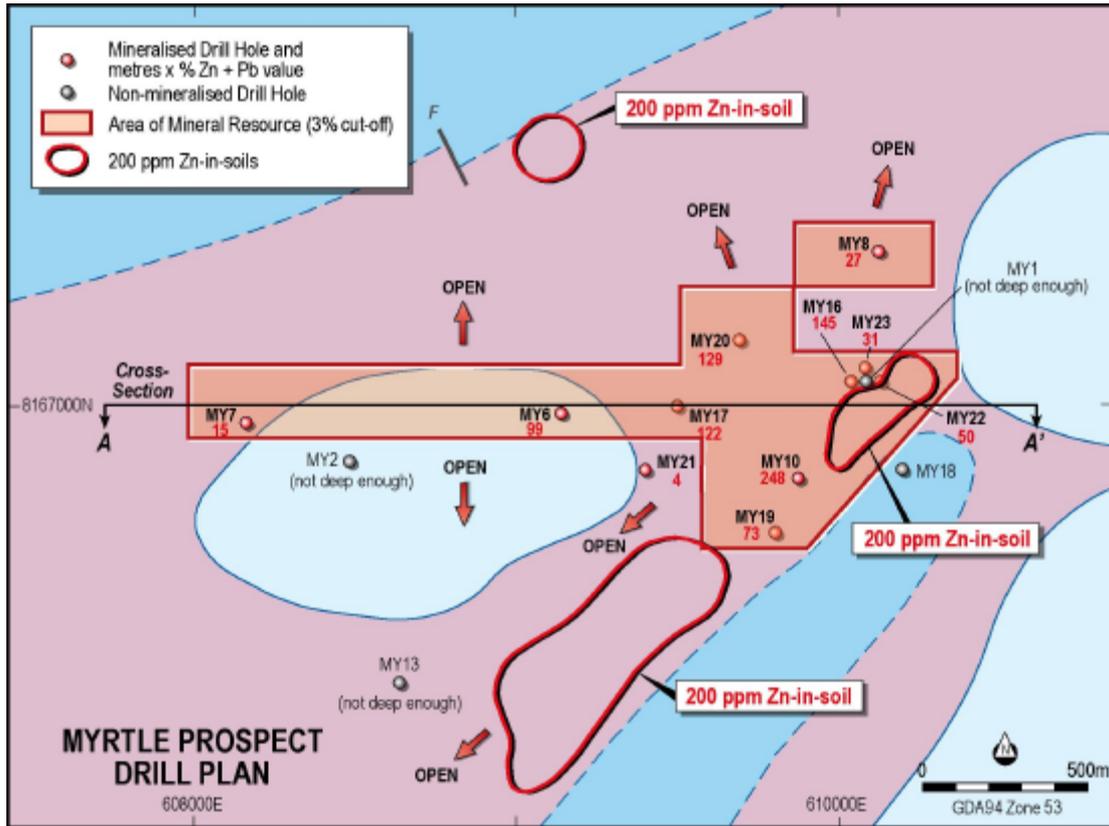


Figure 1: Myrtle Drill Location and Geology Plan  
 (Hangingwall Dolomite – Light Blue, Mineralised Shale – Brown, Footwall Dolomite – Dark Blue)

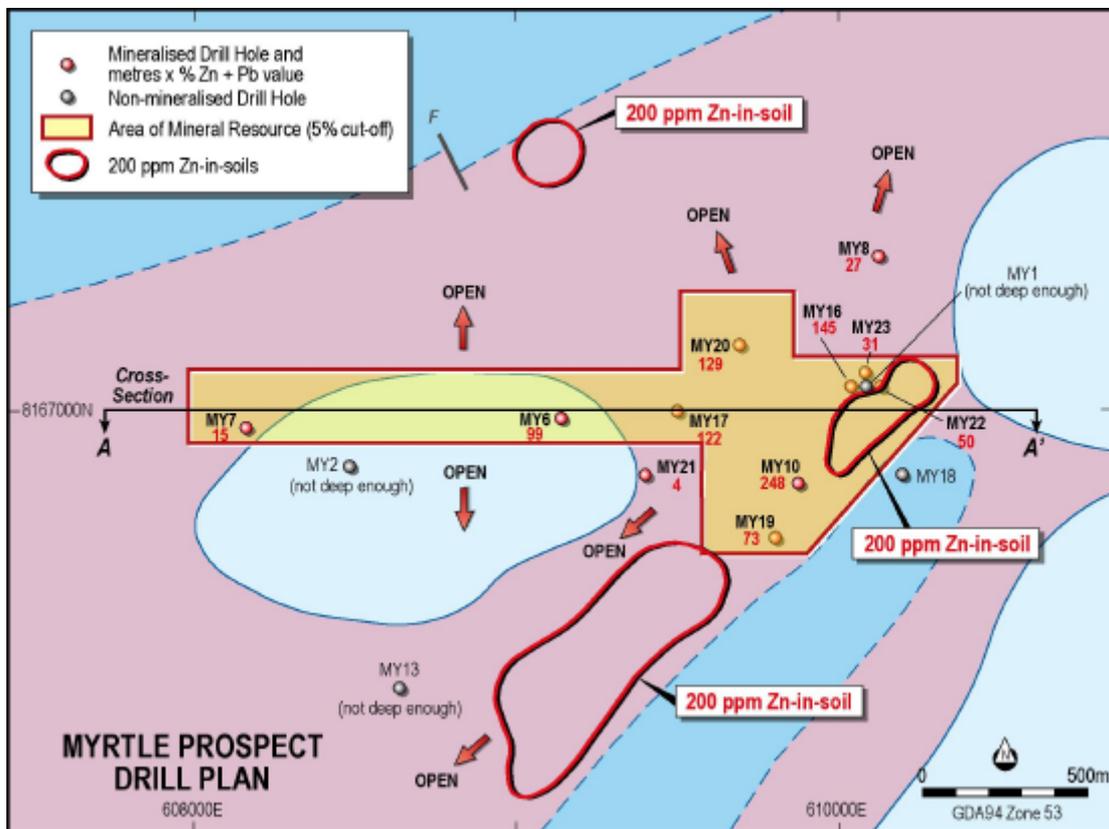


Figure 2: Myrtle Resource at 5% Zn+Pb cut-off

## Metallurgical Testwork

Rox has a metallurgical testwork program scoped out and costed, and it is planned to complete this during the September 2009 quarter.

Mineralogical work on Myrtle drill core has indicated potentially favourable metallurgical characteristics. The sulphide grain size is generally greater than 100 microns for both the zinc (sphalerite) and the lead (galena) sulphides.

To confirm the metallurgical characteristics two 20kg representative samples of the Myrtle orebody have been collected and will be submitted for testwork with the aim to establish:

- a) the recoveries of Zinc and Lead;
- b) the crushing, grinding and flotation characteristics of the ore;
- c) sufficient parameters so that a likely process operating and capital cost can be estimated.

## Scoping Study

The metallurgical testwork, extra resource drilling and other information to hand will be used to compile information to enable a high level Scoping Study to be completed by a suitably qualified consultant. The scoping study will review likely capital and operating costs together with overall project economics.

The Myrtle zinc-lead deposit is located just 17km south of the large, world class, McArthur River (HYC) zinc-lead mine (Figure 3). Myrtle has significant advantages in terms of deposit location (Australia's Northern Territory), geometry (open pit potential), and accessible infrastructure (already installed for the adjacent McArthur River zinc mine).

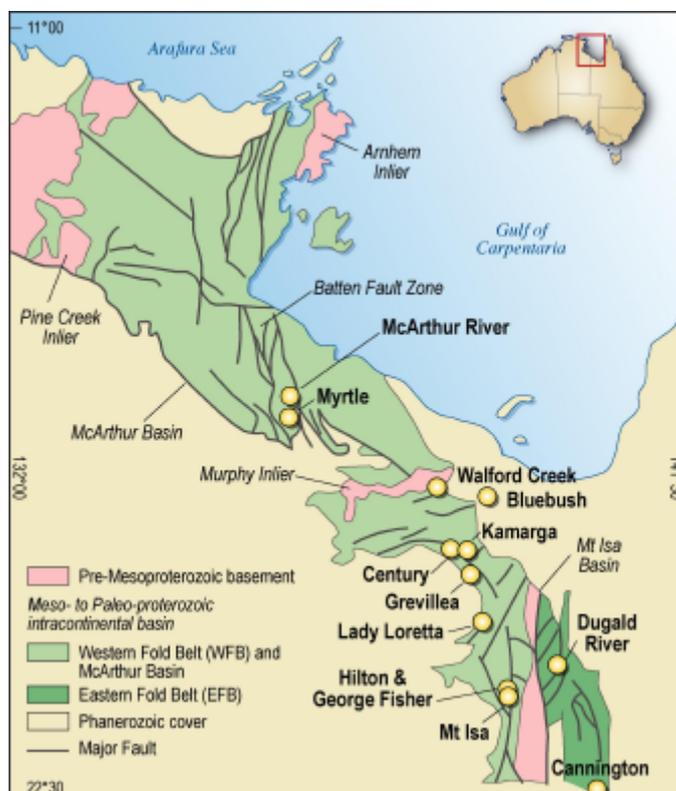


Figure 3: Myrtle Project Location

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**For More Information:**

Ian Mulholland Managing Director Tel: +61 8 6380 2966 <a href="mailto:admin@roxresources.com.au">admin@roxresources.com.au</a>
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**About Rox Resources**

Rox Resources (ASX: RXL) is an emerging 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<sup>2</sup> 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 38 million tonnes grading 4.2% Zn and 1.0% 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 continue to grow with further drilling. A higher grade core of 15 million tonnes grading 5.5% Zn and 1.5% 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 also owns a 60% interest in the Pha Luang zinc-lead sulphide project in Laos which it believes has the potential to become a large new MVT style zinc-lead district. The project area covers a 20km<sup>2</sup> granted mining concession area and contains numerous zinc-lead prospects. Rox is the first explorer to apply modern techniques to the area. Mineralisation is widespread with zinc and lead oxides and sulphides outcropping in various places along a strike length of over 10km. Applications have been lodged for an additional 290km<sup>2</sup> exploration area immediately surrounding the granted mining concession.

Rox has been successful at defining mineralisation at a number of prospects in the Pha Luang project, with over 9,000 metres of drilling conducted so far. A number of very strong drill targets, and extensions to known mineralisation remain untested.

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.*