**ASX/MEDIA RELEASE**

28 August 2008

# SIGNIFICANT EXTENSION TO MYRTLE MINERALISATION

Rox Resources Limited ("Rox", ASX: RXL) is pleased to announce further positive results from drilling at its Myrtle zinc prospect in the Northern Territory.

Assays from hole MY20 have now been received, and excellent results were recorded including:

**8.9 metres** grading **6.59% Zn + Pb, (5.31% Zn, 1.28% Pb)** from 363.1 metres depth,

**7.3 metres** grading **4.95% Zn + Pb, (4.49% Zn, 0.46% Pb)** from 338 metres depth,

*including **3.0 metres** grading **5.86% Zn + Pb, (5.31% Zn, 0.55% Pb)** from 339 metres depth,*

**3.0 metres** grading **4.73% Zn + Pb, (4.24% Zn, 0.49% Pb)** from 327 metres depth.

The location of hole MY20 is shown on Figure 1, and was drilled approximately 300 metres north east of hole MY17 and 400 metres west-northwest of hole MY16, both of which encountered significant high grade zinc mineralisation. The results from MY20 indicate a major extension to the previously defined mineralization.

Continuity of mineralisation is now evident over an area of 1,000 metres by 800 metres and is still completely open north and west of holes MY6, MY17, MY20 and MY8.

In addition, both the RC drill holes that tested the near surface up-dip extent of mineralisation in hole MY16 intersected visible sulphide mineralisation beneath a surficial soil anomaly indicating mineralisation much closer to surface than originally interpreted. Assays are awaited for both these RC holes and MY21, the last of the diamond core holes drilled in this campaign.

Detailed examination of the sulphide mineralisation at Myrtle indicates a much coarser grain size than at the nearby McArthur River deposit, and a preliminary metallurgical test work programme will now be undertaken to quantify the sulphide grain size and likely metallurgical recovery factors.

Rox Managing Director, Mr Ian Mulholland said "Our drilling at Myrtle has identified, and is starting to delineate, a very significant body of zinc mineralisation. We have now intersected mineralisation above a 5% Zn + Pb cut-off grade over several metres of total thickness over an extent of at least 1,000 metres by 800 metres. There remains upside to increase its size with further drilling".

- ENDS –

Rox Resources Limited ABN 53 107 202 602
Ground Floor, 63 Hay Street, Subiaco WA 6008
Telephone: +61 8 6380 2966 Facsimile: +61 8 6380 2988
Email: admin@roxresources.com.au

**For More Information:**

Ian Mulholland
Managing Director
Tel: +61 8 6380 2966
admin@roxresources.com.au

John Phaceas
Porter Novelli
Tel: +61 8 9386 1233
jphaceas@wa.porternovelli.com.au

## 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 has an option to purchase the Reward project tenement which covers 379km$^2$ in the Northern Territory. There is potential at the Myrtle prospect for a McArthur River (SEDEX) style deposit to be delineated, and thick drill intercepts of prospective stratigraphy carrying significant zinc-lead grades have already been made. Drilling at Myrtle has intersected mineralisation above a 5% Zn + Pb lower cut-off exceeding several metres in total thickness over an east-west extent of 1,000 metres and north-south extent of 800 metres, 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. Other prospects in the tenement area 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 zinc-lead district. The project area covers a 20km² granted mining concession area and contains numerous MVT 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$^2$ 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 is now among several Australian mining companies enjoying success in Laos where the Government has stated its intentions to embrace mining as a priority industry. Rox maintains an exploration office in the Lao capital, Vientiane, to support the Pha Luang project.

Rox continues to actively review potential new opportunities, particularly zinc-lead projects 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.*

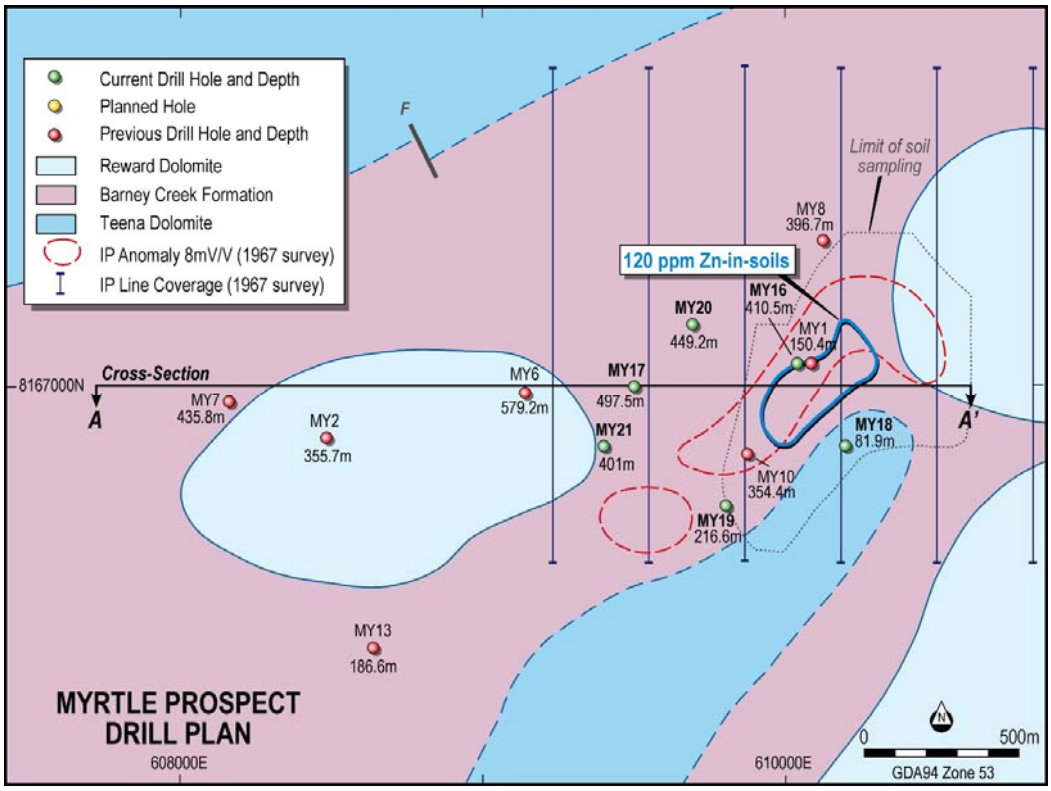


***Figure 1: Myrtle Prospect Drill Plan, showing interpreted geology, and IP and soil anomalies***

**Table 1: Drill Results Above 5% Zn+Pb Lower Cut-off**

| Hole | From | To | Interval | Zn% | Pb% | Ag g/t | Zn+Pb% |
|---|---|---|---|---|---|---|---|
| MY6 | 473.50 | 480.20 | 6.70 | 5.70 | 1.81 | 0.4 | 7.51 |
| MY10 | 125.00 | 127.00 | 2.00 | 4.22 | 1.62 | 3.0 | 5.84 |
| MY10 | 192.00 | 194.00 | 2.00 | 7.92 | 2.42 | 1.5 | 10.34 |
| MY10 | 216.00 | 231.00 | 15.00 | 5.50 | 1.09 | 0.3 | 6.59 |
| MY10 | 233.00 | 237.00 | 4.00 | 5.07 | 2.80 | 0.0 | 7.86 |
| MY16 | 160.00 | 164.00 | 4.00 | 5.57 | 0.50 | 1.4 | 6.07 |
| MY16 | 180.00 | 184.00 | 4.00 | 4.89 | 1.05 | 1.0 | 5.94 |
| MY16 | 189.00 | 194.00 | 5.00 | 6.03 | 2.94 | 1.0 | 8.97 |
| MY17 | 407.75 | 410.00 | 2.25 | 6.78 | 1.53 | 0.7 | 8.31 |
| MY17 | 469.31 | 472.46 | 3.15 | 4.13 | 1.29 | 2.8 | 5.42 |
| MY19 | 154.00 | 158.00 | 4.00 | 5.22 | 0.61 | 1.2 | 5.83 |
| MY20 | 339.00 | 342.00 | 3.00 | 5.31 | 0.55 | 0.5 | 5.86 |
| MY20 | 363.10 | 372.00 | 8.90 | 5.31 | 1.28 | 0.6 | 6.59 |

*True thickness in holes MY6, 17 and 20 is approximately equal to the down hole thickness due to the flat dip, while true thickness in holes MY10, 16 and 19 is approximately half the down hole thickness due to the 60$^{o}$ dip. Hole intercepts are quoted above a 5.0% Zn+Pb combined lower cut-off, with a minimum width of 2 metres and maximum internal dilution of 2 metres. Weighted average grades are stated.*