

# Message from The Minister



*Message from  
Hon David Llewellyn MP  
Minister for Resources*



Tasmanian Minerals Council  
& Mineral Resources Tasmania  
2008 Exploration Group Forum

It is my pleasure as the Minister for Resources to support the Tasmanian Minerals Council in the holding of the 2008 Exploration Group Meeting and Seminar this year.

Again the theme of the conference is to highlight the exploration opportunities that present themselves in Tasmania, the opportunities that can come from the use of the data supplied by my department and details on some of the exciting new technologies that are available to the mining industry. In developing the event program the organisers have tried to bring to you a balance of information covering not only the state of the economy and commodity prices but also inform you on how other companies are progressing.

There have been some changes during the last year with a much greater interest by Chinese companies in the resources that we have and a continued awareness of the mining industry in all sectors of the community, which has clearly placed the industry under much greater scrutiny. Figures show Tasmania continues to show high levels in the key economic indicators of private investment, consumer spending and state final demand. The figures also show an increasing level of mineral exploration in Tasmania.

This renewed interest of exploration companies in Tasmania is welcome and mineral exploration has been rejuvenated by the availability of the new data from the work the government has funded in the North East of the State, the 3-D geological model of Tasmania also funded by the State Government, the Federally-funded Western Tasmanian Regional Minerals Program and recent rises in metal prices.

The Tasmanian Government actively encourages exploration in Tasmania and I encourage you to attend and support this event, which has been developed at the request of the mining industry. I believe the organisers have put together an exciting program that will stimulate your interest in the State and still give you time to network.

It is an exciting and at the same time a challenging time for the industry in this State and I look forward to seeing you at the Conference.

Hon David Llewellyn MP  
Attorney General & Minister for Justice  
Minister for Primary Industries & Water, Minister for Energy & Resources

# 2008 Exploration Group Forum

## 14-16 May 2008

Country Club Tasmania, Launceston



Tasmanian  
Minerals Council  
Limited

*In association with*



**Tasmania**  
Explore the possibilities

Mineral Resources Tasmania  
Department of Infrastructure Energy and Resources

For reservations please call: 6225 7035 or 1800 139 760 or email: [groups@federalgroup.com.au](mailto:groups@federalgroup.com.au)  
Please mention **Tasmanian Minerals Council - group block number #210124**  
**Country Club Tasmania** Deluxe Rooms from \$158.00 per room, per night  
**Country Club Villas** One Bedroom Villa from \$114.00 per room, per night

### Wednesday May 14<sup>th</sup>

**5.30 pm** Registration

**6.00 – 7.00 pm** Happy Hour  
Sponsored by



**7.00 pm** Welcome Dinner  
Guest Speaker

**Hon David Llewellyn MP**  
Minister for Resources

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### Major Sponsors



*Dinner sponsors*



**Thursday May 15<sup>th</sup>**

**Day 1**

9.00 – 10.30 am

**ECONOMIC**

**Terry Long**

CEO, Tasmanian Minerals Council Limited

*Opening Remarks*

9.00 – 9.20

**John Peters**

Senior Economist

**2008 Economic & Financial Market Outlook**

Global Markets & Treasury, Commonwealth Bank of Australia

9.20 – 9.40

**Rob Nicholl**

*Tasmania's Economy 2008 and Beyond*

Deputy Secretary, Department of Treasury & Finance

9.40 – 10.00

**David Moore**

*Commodity Prices – Stronger for Longer*

Commodity Strategist, Commonwealth Bank of Australia

10.00 – 10.30

**Panel Discussion *Minerals Exploration – Surviving Risk – Aversion in the Markets***

Ross Large, David Moore, Harry Stacpoole & Lindsay Newnham

10.30 – 11.00 am

**Morning Tea**

11.00 – 1.00 pm

**THE STUMP**

Mineral Resources Tasmania

CODES

Venture Minerals

Stellar Resources Limited

KUTh Exploration

Coffey Mining Pty Ltd

Dr Geoff Green

Jeffrey Foster

Andrew Radonjic

Tom Burrowes

Malcolm Ward

Rick Yeates

1.00 – 2.00 pm

**Lunch**

2.00 – 3.30 pm

**RE-BIRTH/RE-START**

2.00 – 2.20

ABM

Dave Sandy

2.20 – 2.40

Renison/Metals X Limited

Peter Cook

2.40 – 3.00

Zinifex Rosebery

Trevor Ellice

3.00 – 3.20

Avebury

Tim Callaghan

3.20 – 3.40

Beaconsfield Mine

Peter Hills

3.40 – 4.00 pm

**Afternoon Tea**

4.00 – 4.20

Polymetals/Intec JV

Andrew Lawry

4.20 – 4.40

Bass Metals Ltd

Mike Rosenstreich

CEO, Tasmanian Minerals Council

Terry Long

5.00 – 6.00 pm

**Free Time**

6.00 – 7.00 pm **Pre Dinner Drinks**

*Sponsored by*



7.00 pm

**Dinner**

**Guest Speaker**

**Sam Kekovich**

**Friday May 16th**

**Day 2**

9.00 – 11.00 am

THE STUMP

Icon Resources Ltd  
Minemakers  
Iron Mountain Mining  
Proto Resources & Investments Limited  
Tas Advanced Minerals  
Zinifex Limited, Regional Projects

Dr John Bishop  
Andrew Drummond  
John Watts  
Andrew Mortimer  
Chris Stuart  
Angela Lorrigan

11.00 – 11.30 am

Morning Tea

11.30 – 11.50

Intec

Philip Wood

11.50 – 12.10

Ausmelt

Stephen Hughes

**AMML is a new minerals testing laboratory, specialising in flotation testing, hydrometallurgy, gravity and comminution testwork.**

While the laboratory and the equipment is new, the business has a wealth of experience. The laboratory is providing a commercial service to exploration and mining companies, throughout Australia and the world. Testwork includes trouble shooting for existing operations, development of processes for treating new ore bodies, or providing data for bankable feasibility studies. The laboratory staff have extensive experience including mine site operational experience.

12.10 – 12.30

CSIRO

Graham Carr

**HyLogging™ systems group: logging mineralogy of drill cores and chips using reflectance spectroscopy**

CSIRO is developing tools that improve the efficiency, productivity and objectivity of logging by using reflectance spectroscopy to log the mineralogy of drill cores and chips.

12.30 – 12.50

Cement Australia

Peter Ives

CEO, Tasmanian Minerals Council

Terry Long

1.00 – 2.00 pm

Light Lunch

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# 2008 Exploration Group Forum

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Accommodation (subject to availability) can be **booked directly** by telephoning

**Country Club Tasmania, Launceston**

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Please mention **Tasmanian Minerals Council - group block number #210124**

## Delegate Details *(please use BLOCK letters)*

**Please return via Fax (03) 6231 1689 before 5 May 2008**

**This document becomes a TAX INVOICE when payment is received.** Please complete one form per person and photocopy for additional registration.

Surname \_\_\_\_\_ First Name \_\_\_\_\_

Title Mr/Ms/Mrs/Dr/Prof/Other \_\_\_\_\_ Preferred Name on badge \_\_\_\_\_

Organisation \_\_\_\_\_ Position \_\_\_\_\_

Address \_\_\_\_\_

State \_\_\_\_\_ Postcode \_\_\_\_\_ Special dietary requirements \_\_\_\_\_

Telephone ( ) \_\_\_\_\_ Mobile \_\_\_\_\_

Email \_\_\_\_\_ (NB: *this email address will be used to confirm your registration.*)

Category (please tick)

Member

Non-Member

Government

Speaker

## WEDNESDAY 14 MAY 2008

\$

### REGISTRATION/PRE-DINNER DRINKS

5.30 pm - 7.00pm *(no cost to delegates)*

**DINNER @ \$100**

7 for 7.30 p.m. (includes beverages) \_\_\_\_\_

**ADDITIONAL GUEST @ \$100**

Name: \_\_\_\_\_

## THURSDAY 15 MAY 2008

**CONFERENCE DAY 1 @ \$220**

Includes M/Tea, Buffet Luncheon, A/Tea \_\_\_\_\_

### PRE-DINNER DRINKS

6.00 pm - 7.00pm *(no cost to delegates)*

**DINNER @ \$110**

7 for 7.30 p.m. (includes beverages) \_\_\_\_\_

**ADDITIONAL GUEST @ \$110**

Name: \_\_\_\_\_

## FRIDAY 16 MAY 2008

**CONFERENCE DAY 2 @ \$165**

Includes M/Tea & Buffet Luncheon \_\_\_\_\_

Total: \$ \_\_\_\_\_

## METHOD OF PAYMENT

All funds are payable to Tasmanian Minerals Council Limited ABN 19 009 554 616. Your place will not be confirmed until payment has been received. **This document becomes a tax invoice when payment is processed.**

Credit card is the preferred form of payment.

**I am paying by:**

**CREDIT CARD**

Master Card  Visa

Card Number

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Expiry Date □□ / □□

Amount \$ \_\_\_\_\_ (All costs include 10% GST)

Cardholder's Name/Signature

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or;  Cheque (post to GPO Box 937, Hobart Tas 7001)

## REGISTRATION ENQUIRIES

Jayne Roberts

Tasmanian Minerals Council Limited

☎: 03 6223 8600 Fax: 03 6231 1689

✉: [contact@tasminerals.com.au](mailto:contact@tasminerals.com.au)

🌐: [www.tasminerals.com.au](http://www.tasminerals.com.au)

# The Sponsors



*The Tasmanian Minerals Council would like to thank the following sponsors for their support*

Tasmanian Minerals Council  
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2008 Exploration Group Forum



Boart Longyear Drilling Services currently maintains 20 drilling rigs and 100 staff in Tasmania, and provides specialised drilling services to the mineral exploration sector.

Boart Longyear delivers the most effective drilling solutions in the widest variety of applications and provides industry-leading expertise to our customers not only regional but worldwide.

With the broadest array of specialized services in the drilling industry we can accommodate specific needs for an application on a worldwide basis.

We hire the best people and provide them with superior training and mentoring. Our experience drillers operate in the most difficult environments while still maintaining excellence in safety and productivity.

Safety is a value, not just a priority at Boart Longyear. In all that we do, both in the office and in the field, we incorporate safety as part of our culture as in our commitment to our customers and the environment.

Worldwide our success is a direct result of the hard work of more than 7,000 Boart Longyear employees. From engineers, to accountants to drillers in the field we are the team that sets the industry standard.



Coffey Mining provides a wide range of technical consulting services to all sectors of the international minerals industry from exploration target definition through to mine closure. Our specialist knowledge delivers extraordinary outcomes.

- We understand how to boost the efficiency, productivity and profitability of mining operations – from the boardroom to the mine face.
- We provide practical, innovative and cost effective solutions to mining related problems across the full mine life cycle from target definition to mine closure.
- Our solutions work because we understand both your business imperatives and operational practicalities.

Coffey Mining provides clients with practical and innovative solutions to a complexity of mining problems across all commodities, deposit styles and physiographic settings, delivering practical, relevant advice and outcomes. With the consolidation of all key technical mineral industry disciplines under a single entity, Coffey Mining is uniquely positioned to undertake feasibility studies, due diligence assignments and technical audits in a highly integrated and cost-effective manner.

Coffey Mining's success revolves around a strong emphasis on quality. Our philosophy is that it is better to decline an assignment than risk compromising quality. Our experience, diligence and commitment underpin a hard-won reputation for 'calling it right'. Coffey Mining's track record speaks for itself, with an impressive list of mineral discoveries to our credit and industry-best production reconciliations resulting from studies completed on behalf of clients.

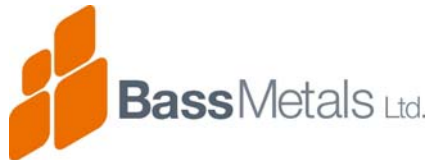
As a subsidiary of Coffey International Limited, Coffey Mining has the support of an Australian top 300, publicly-listed company, representing one of the world's leading multi-specialist consulting groups.

# The Sponsors



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Bass Metals Ltd (ASX: BSM) is an Australian base metal production company with a portfolio of high-quality assets in the world-class Mount Read Volcanic mineral belt in northwest Tasmania.

The Company's production hub is the 100% owned Que River base metals project, mined in alliance with Mancala Pty Ltd. Stage 1 production at Que River commenced in September 2007, comprising ore extraction from two open pits.

A key focus for BSM's exploration activities has been the high grade polymetallic (zinc-lead-copper-silver-gold) targets surrounding the world class Hellyer Mine. BSM announced a maiden mineral resource estimate for the Hellyer Mine Project in October of 750,000 tonnes grading 11% lead and zinc supported by a spectacular drill intercept of 57m at 14% combined zinc-lead at the adjacent Fossey Zone (formerly known as the Southern Barite Zone). Fossey Zone is not included in the initial Hellyer mineral resource. Subsequent drilling programmes have confirmed the Fossey Zone as a major exploration target for BSM, with the Company now evaluating options to fast-track the resource drill out, and mining, environmental and metallurgical studies now underway. An initial resource estimate for the Fossey Zone is targeted for the second half of 2008.

Across the Que River and Hellyer Mine Project areas, BSM now has a combined Mineral Resource inventory of 1.5 million tonnes at a zinc equivalent grade of 15%, providing the Company with outstanding growth potential.

Some recent milestones of Bass Metals follow;

- Mining operations and ore sales to Zinifex's Rosebery operation successfully ramped up to approximately 5,000 tonnes of ore per month.
- Initial combined Mineral Resource estimate (Indicated and Inferred) for the Hellyer Mine Project of 748,000 tonnes grading 7% Zn, 4% Pb, 0.3% Cu, 87 g/t silver and 1.3 g/t gold.
- Drilling has confirmed the potential of the Fossey Zone to contribute a significant increment to the current Hellyer Mine Project Mineral Resource inventory.

Best intercepts include:

- 21.4m @ 17.3% zinc, 8.3% lead, 231g/t silver and 3.4g/t gold from 12.6m downhole, including 12.6m @ 20.0% zinc, 9.7% lead, 185g/t silver and 3.2g/t gold.
- 19.1m @ 8.4% zinc, 3.5% lead, 82g/t silver and 3.3g/t gold from 226m downhole, including 5.9m @ 16.2% zinc, 7.3% lead, 165g/t silver and 3.2g/t gold.
- The strike extent potential of the Fossey system is over 200 metres with several lesser but high grade massive sulphide zones adjacent to the main zone.

Metals X, through its wholly owned subsidiary, Bluestone Mines (Tasmania) Pty Ltd owns the Renison, Mt Bischoff and Rentails tin projects on the west coast of Tasmania. The Renison and Mt Bischoff mines have been two of the largest tin producers in Australia's tin industry of the past century. In particular, the Renison Bell mine has a production history spanning almost half a century at annualised production rates ranking it as one of the largest single tin mines in the world, having produced over 200,000 tonnes of tin metal in its history.

Remaining total Identified Mineral Resource estimates for Renison stand at 4.37 million tonnes at 2.01% Sn containing 88,075 tonnes of tin metal. The mineralised ore systems at Renison remain open at depth and in places along strike. A significant focus as part of the restart at Renison will be the conversion of the substantial resource base to reserve category beyond the current 3 year mine plan, creating a long life operation. Metals X intends to re-build the Renison underground mine to its former glory over the next 3 years, the time period it believes will be required to undertake a level of capital development to develop sufficient ore to enable the plant to be fed from the underground mine in its own right. In the meantime, the underground ore will be supplemented with open-pit mining from Mt Bischoff at a rate of approximately 250,000 tonnes per annum.

Metals X has commenced open-pit mining at Mt Bischoff and will stockpile ores at both Mt Bischoff and Renison, prior to the re-commissioning of the plant. Underground mining will recommence in early May 2008. A new fleet of specialist underground equipment, predominantly Atlas Copco has been on order for some time with the first arrivals having landed in Tasmania over the past few weeks.

Metals X will re-start the Renison concentrator with a processing flowsheet that maximises the efficiency of the plant and incorporates additional new technology and advances in process control and ultra-fine gravity concentration technology. In addition, in recent years, coincident with increasing depth, particularly in the southern part of the mine, significant copper mineralisation occurs on its own and coincident with the tin lodes. In response to this, and with cognisance of significantly higher copper prices which are at an all time high, Metals X will operate a copper concentrator sub-circuit within the plant to recover a copper concentrate as a co-product.

The Rentails Project is built around the re-processing to a concentrate of the historic tailings (18.2Mt @ 0.42% Sn) that are stored at the Renison site. The project has undergone several iterations over the past few years and the process route is now selected and the project has commenced feasibility with intent to construct in 2009. The re-processing will generate a low-grade tin and copper concentrate (10-15% tin and 10-15% copper) which will be fumed using Ausmelt top lance furnace technology to produce a high grade tin fume product and a copper matte. Expected Rentails production is 5,500 tpa of tin metal and 1500 tpa of copper in matte at an estimated cash operating cost of approximately A\$7000/t tin metal (after copper credits).