IRONBARK Zinc Limited

Level 1
350 Hay Street
Subiaco 6008
Western Australia

PO Box 935
West Perth WA 6872
T: +61 8 6461 6350
F: +61 8 6210 1872
www.ironbark.gl
admin@ironbark.gl

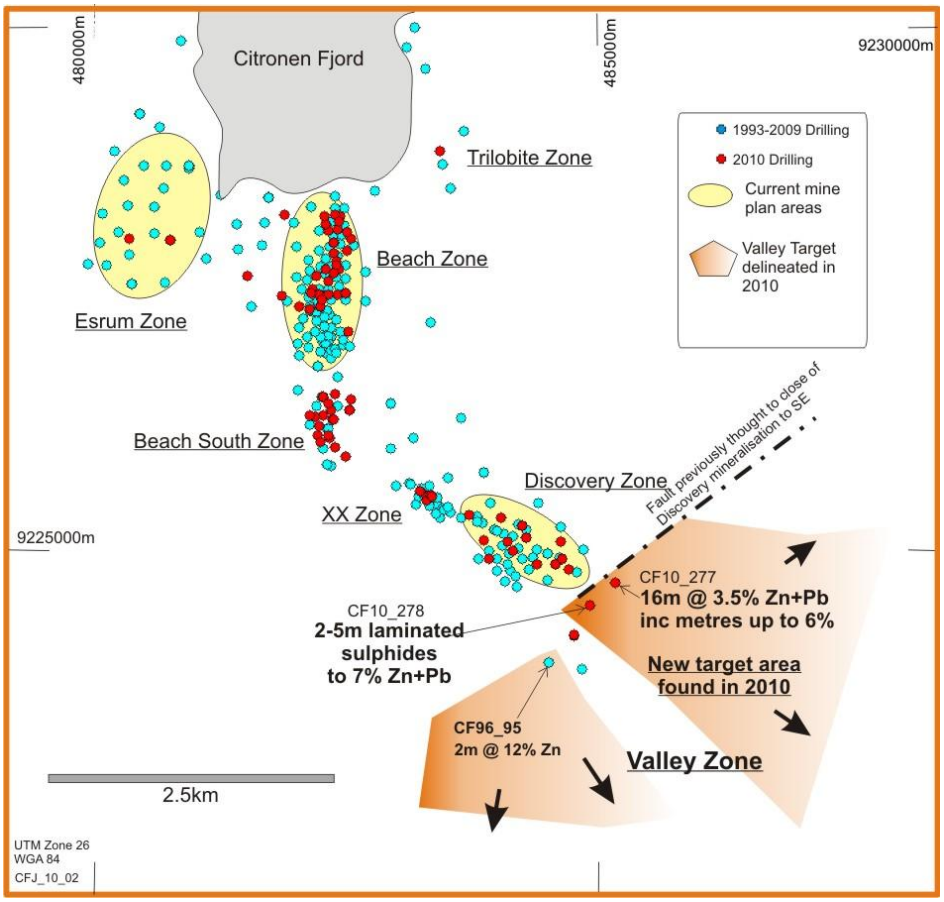
2 September 2010

Company Announcements

Australian Securities Exchange Limited
Exchange Plaza
2 The Esplanade
PERTH WA 6000

SIGNIFICANT EXPLORATION DISCOVERY

Ironbark Zinc Limited (Ironbark) is pleased to report on results received from the ongoing work at the 100% owned Citronen Base Metal Project (Citronen). Several drill holes were drilled targeting possible extensions of the Citronen SEDEX zinc-lead (Zn-Pb) mineralisation outside previous resource areas. These 3 holes represent extensional holes that highlight the significant and world-class open ended nature of the defined mineralisation. The most recent fence of drill holes have shown that the mineralisation extends to the south east by a further 1.5km from the Discovery ore body – see Figure 1.



The previous estimates of a target resource as released to the ASX on 28 January 2010 may be upgraded substantially with the final scale of the extent of the Citronen mineralisation unknown at this time. Further drilling will be required to define any higher grade mineralisation that typically lies within the broader mineralised envelopes as identified within Citronen.

Additional drill results are currently being assayed and drilling will remain ongoing until the completion of the field season in September. The feasibility study work is on schedule and budget with substantial ongoing engineering, design and development work. No mine planning as yet has been conducted to date on the Beach South, XX Zone or Valley Zone. Drilling conducted in 2010 is expected to allow mine planning and optimisation work on the Beach South and XX Zone. Significant drilling results (assays) are pending for drilling in these zones. To date, over 17,000m of diamond drilling has been completed in 2010.

The resource estimate for Citronen (November 2008) is expected to be upgraded based on 2010 drilling to date and delivered later in 2010 post completion of the drilling.

Table 1 - Summary of extensional drill results at "Valley Zone"

Hole_ID	From (m)	Intercept (m)	Zn% / (Zn+Pb%)
CF95_096			
CF10_277	236.0	16.0	2.9% / (3.5%)
including		3	6.0% / (6.7%)
and		1	7.0% / (7.5%)
CF10_278	217.0	7.1	2.0% / (2.5%)
including		1	6.1% / (6.5%)
CF10_280			pending

Assays for CF10_277,278 are preliminary in nature as they are based on hand held XRF readings.

Table 2 – Drill Collar information

Hole ID	East	North	Dip/Azim
CF95_096	484593	9223985	-90/000
CF10_277	485190	9224746	-90/000
CF10_278	484808	9224525	-90/000
CF10_280	484825	9224250	-90/000

ABOUT IRONBARK

Ironbark is a well funded Company listed on the Australian Securities Exchange (ASX: IBG) focusing on the development of a major base metal mining operation in Greenland.

Ironbark seeks to build shareholder value through exploration and development of its projects and also seeks to actively expand the project base controlled by Ironbark. The management and board of Ironbark have extensive technical and corporate experience in the minerals sector.

Ironbark's key focus is the wholly owned Citronen base metal deposit located in Greenland. Greenland provides a very supportive mineral development environment with a tax rate of 37% and no Government royalties. In addition development expenditure and plant and equipment are deductable through depreciation at a rate of 30% on a declining balance basis.

Resources

Ironbark believes that the drilling in 2010 will result in increased confidence levels (JORC Resource categories) and global tonnages in the revised resource estimate due for completion later in 2010.

Citronen currently hosts in excess of 11 billion pounds of zinc (Zn) and lead (Pb). The current JORC compliant resource for Citronen (November 2008) is detailed as follows:

55.8 million tonnes at 6.1% zinc (Zn) + lead (Pb)

Indicated resource of 29.9Mt @ 5.8% Zn and 0.6% Pb
Inferred resource of 25.9Mt @ 5.0% Zn and 0.7% Pb

Using inverse distance squared (ID^2) interpolation and reported at a 3.5% Zn cut-off

including a higher grade resource of:

22.6 million tonnes at 8.2% zinc (Zn) + lead (Pb)

Indicated resource of 14.3Mt @ 7.8% Zn and 0.7% Pb
Inferred resource of 8.2Mt @ 7.1% Zn and 0.7% Pb

Using inverse distance squared (ID^2) interpolation and reported at a 5% Zn cut-off

within a larger global resource of:

101.7 million tonnes at 4.7% zinc (Zn) + lead (Pb)

Indicated resource of 50.2Mt @ 4.5% Zn and 0.5% Pb
Inferred resource of 51.5Mt @ 3.8% Zn and 0.6% Pb

Using Ordinary Kriging interpolation and reported at a 2% Zn cut-off

ENDS

For further information please contact:

Jonathan Downes
Managing Director
Ironbark Zinc Limited
Tel: +61 8 6461 6350
Em: admin@ironbark.gl
Website: www.ironbark.gl

David Tasker
Professional Public Relations
Tel: +61 8933 0944/ +61 433 112 936
Em: david.tasker@ppr.com.au

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr A Byass, B.Sc Hons (Geol), B.Econ, FSEG, MAIG an employee of Ironbark Zinc Limited. Mr Byass has sufficient experience that 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 Byass consents to the inclusion in the report of the matters based on this information in the form and context in which it appear.

Ironbark routinely uses a Niton hand-held portable XRF (Niton) to analyse drill core and provide a preliminary estimate of zinc content using 5cm regular reading intervals. Niton results from previous drilling that have been released to the ASX are consistent with laboratory assay results. This re-affirms Ironbark's view that the Niton, when used properly with an appropriate rigorous testing procedure, is a valid tool for reporting the tenor of zinc exploration results

Drill samples are then submitted from the drill core and sent to ALS Chemex Laboratories in Ojebyn, Sweden for sample preparation, with final analysis using ore-grade ICP Fusion at ALS Chemex in Vancouver, BC, Canada. Independent certified laboratory standards are submitted for quality control. The final chemical assays results are used in the resource modeling.