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The Manager  
Company Announcement Office  
Australian Securities Exchange Limited

## **Ironbark confirms exploration target for 302 - 347 million tonnes of zinc and lead mineralisation at Citronen**

Key points:

- Target of **165 to 190Mt @ 5.7 to 6.5%** zinc + lead for a combined total of up to 26 billion pounds of zinc and lead metal (at a 3.5% zinc cutoff),
- Target of **302Mt to 347Mt @ 4.4 to 5.0%** zinc + lead for a combined total of up to 36 billion pounds of zinc and lead metal (at a 2% zinc cutoff),
- Would represent an increase of 240% over the current resource base and would rank Citronen in the "Super Giant" Category as proposed by industry experts Goodfellow and Lydon,
- Fourth diamond drilling rig purchased for drilling during the 2010 field season to advance the project and expedite the Definitive Feasibility Study,
- The majority of target mineralised material is anticipated to be in extensions of already discovered mineralised systems, with a lower amount estimated on the probability of repeat mineralisation based on undrilled targets identified by geophysics, mapping and rock chip sampling, and
- Exploration target only considers mineral license 2007/02 (area of 120km<sup>2</sup>) as there is not enough information at present to determine what may be contained in 2007/31, 2007/47, 2008/25 and 2008/26 (2600km<sup>2</sup>).

Australian based resources company Ironbark Zinc Limited (**ASX: IBG**) ("Ironbark" or "the Company") is pleased to report that geological modelling at its wholly-owned Citronen Base Metal Project ("Citronen Project") in Greenland has identified a target mineral inventory of up to 347 million tonnes or a 240% increase on current resources.

The target resource has been identified using geological modelling and is based on the immediate project area, covering approximately 120 km<sup>2</sup>, and does not include the greater exploration area covered by the surrounding exploration licenses (approximately 2,600 km<sup>2</sup>) of prospective host lithology (Figure 1). The tenure covers the prospective Trolle Land Fault zone interpreted to be the main feeder zone for the mineralisation associated with the identified with the existing resource base.

Ironbark previously announced an indicated JORC resource at Citronen of 102Mt @ 4.7% zinc + lead at a 2% Zn cut-off. Ironbark considers the exploration target to be realistic and will embark on extensive further drilling to define the target mineral inventory. The total target will take several field seasons to achieve. The target mineral inventory tonnage and grade is conceptual in nature as there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of the addition target mineral inventory into a Mineral Resource.

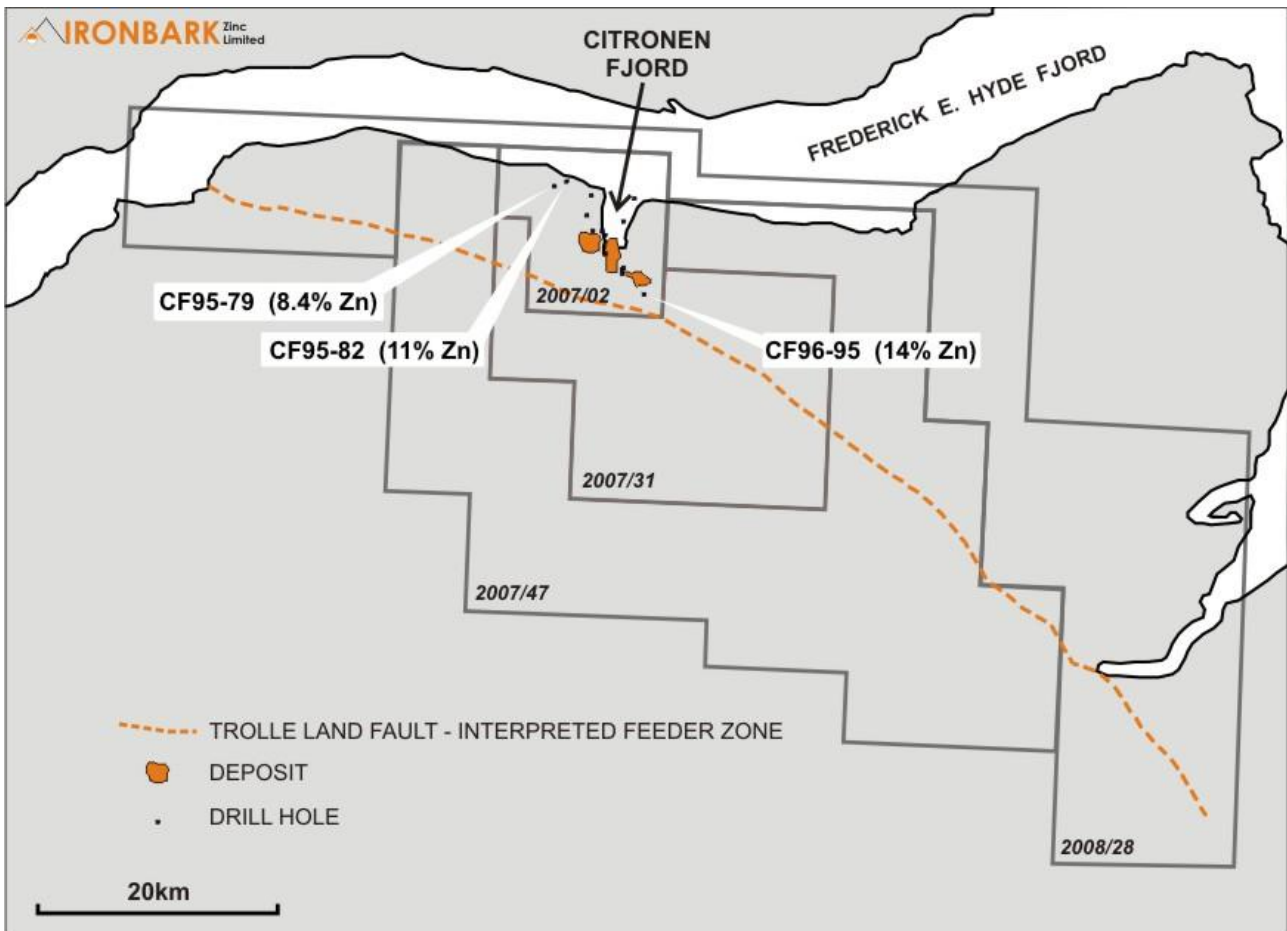


Figure 1: Ironbark tenure plotted over defined deposits and drilling outside resource areas

Ironbark managing director, Mr Jonathan Downes, believes the resource modelling and the exploration target further confirms the Citronen Project as having global significance.

“Ironbark is very well positioned in the global rush to secure strategic base metals, with 100% ownership of a strategic world-class zinc deposit located on the doorsteps of Europe and America”, Mr Downes said.

“We are gearing up for the largest field season ever at this project, with the teams secured and equipment en-route to site including the newly purchased fourth diamond drilling rig. Our focus remains on the completion of the Definitive Feasibility Study, which is expected to be finalised by the end of 2010” Mr Downes added.

### Geological modelling

This release has been prepared in order to quantify at a broad level the resource potential for the Citronen base metal project. This has been completed in a manner which acknowledges the requirements of reporting to the ASX under JORC guidelines and provides a systematic, high level review of the Citronen SEDEX camp based on the current understanding and extensive technical data.

Ironbark holds five granted exploration licences at Citronen, covering in excess of 2,700km<sup>2</sup> (Figure 1). Citronen has been well documented as a SEDEX type deposit and has undergone very limited structural deformation.

Over 200 drill holes exceeding 45,000 metres of diamond drilling has been completed at Citronen. The deposit remains open to further mineralisation in most directions and the increase in global resources in 2008 (~ 38% metal content) corresponded well with the increase of drilling metres outside previously defined resource areas of approximately 32% (Figure 2). The identification of the interpreted 'core' of a feeder zone at Esrum Level 3 (Figure 3) is a significant development and represents a high priority drilling target.

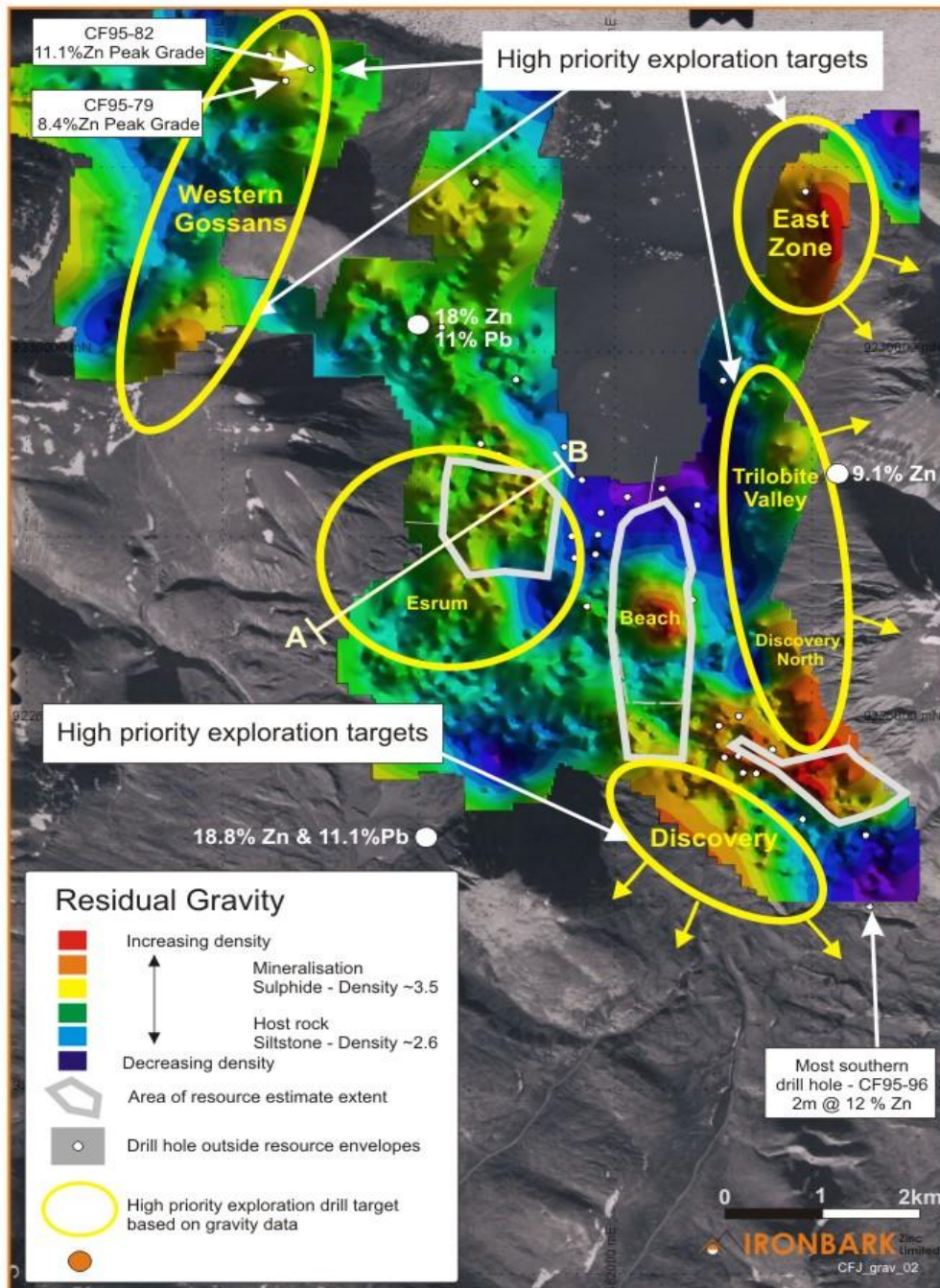


Figure 2: Existing resource outlines and priority exploration targets

Gravity geophysical mapping has also shown to be useful in defining further drilling targets as it can be used to identify large accumulations of sulphide mineralisation (Figure 2).

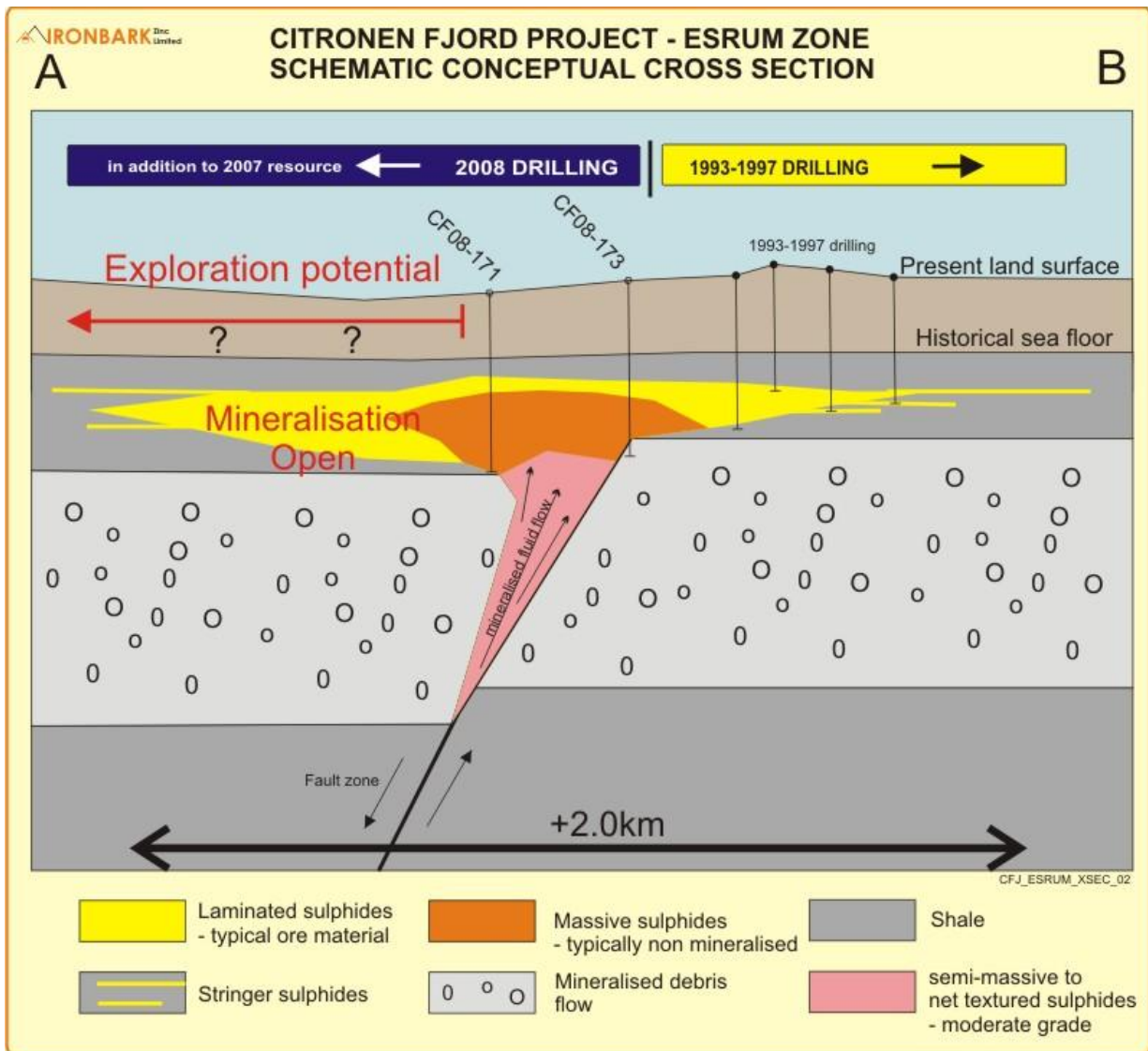


Figure 3: Cross section of Esum geological model

Further major increases are believed to be possible from Discovery South, although this is a structurally complex area and drilling density may have to be increased in this zone. Further potential increases from known open ended mineralisation are identified at the Beach Zone.

This does not take into account further extensions off exploration license 2007/02 which only cover 120km<sup>2</sup>.

ENDS

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**Tables of target mineralisation additional to existing JORC resource base**

**Table 1: Exploration Target at 3.5% zinc cutoff**

Prospect	Name	Stratigraphic Level	Tonnage (Mt)	Zinc %	Lead %
1	Esrum Extended	Level 2	4 to 4.9	4.9 to 6	0.45 to 0.55
2	Esrum Extended	Level 3	53.7 to 65.8	4.9 to 6	0.45 to 0.55
3	Discovery	Level 1	2.2 to 2.7	5 to 6.1	0.54 to 0.66
4	Discovery	Level 2	11.2 to 13.7	4.8 to 5.8	0.54 to 0.66
5	Discovery South	Level 2/3	11.2 to 13.7	4.8 to 5.8	0.54 to 0.66
6	Trilobite Valley	Level 2/3	3.6 to 4.4	5.4 to 6.6	0.63 to 0.77
7	East Zone	Level 2/3	11.2 to 13.7	5.4 to 6.6	0.63 to 0.77
8	Inland Zone	Level 3/4	3.6 to 4.4	4.9 to 6	0.45 to 0.55
9	Hyde Fjord Gossans	Level 4	2.2 to 2.7	4.2 to 5.1	0.45 to 0.55
10	Western Gossans	Level 4	2.2 to 2.7	4.2 to 5.1	0.45 to 0.55
11	Beach Zone South Extension	Level 2	1.8 to 2.2	5.6 to 6.8	0.72 to 0.88
12	Beach Zone Extension	Level 3	2.7 to 3.3	4.9 to 6.0	0.45 to 0.55
	<b>TOTAL</b>		<b>109 to 134.4</b>	<b>4.9 to 6.0</b>	<b>0.54 to 0.66</b>

**Table 2: Exploration Target at 2.0% zinc cutoff**

Prospect	Name	Stratigraphic Level	Tonnage Mt	Zinc %	Lead %
1	Esrum Extended	Level 2	7.3 to 9	3.7 to 4.5	0.45 to 0.55
2	Esrum Extended	Level 3	98 to 120	3.7 to 4.5	0.45 to 0.55
3	Discovery	Level 1	4.1 to 5	3.8 to 4.6	0.54 to 0.66
4	Discovery	Level 2	20 to 25	3.6 to 4.4	0.54 to 0.66
5	Discovery South	Level 2/3	20 to 25	3.6 to 4.4	0.54 to 0.66
6	Trilobite Valley	Level 2/3	6.5 to 8	4.1 to 5	0.63 to 0.77
7	East Zone	Level 2/3	20 to 25	4.1 to 5	0.63 to 0.77
8	Inland Zone	Level 3/4	6.5 to 8	3.7 to 4.5	0.45 to 0.55
9	Hyde Fjord Gossans	Level 4	4.1 to 5	3.2 to 3.9	0.45 to 0.55
10	Western Gossans	Level 4	4.1 to 5	3.2 to 3.9	0.45 to 0.55
11	Beach Zone South Extension	Level 2	3.3 to 4	4.2 to 5.2	0.72 to 0.88
12	Beach Zone Extension	Level 3	4.9 to 6	3.7 to 4.5	0.45 to 0.55
	<b>TOTAL</b>		<b>200 to 245</b>	<b>3.7 to 4.5</b>	<b>0.54 to 0.66</b>

The majority of mineral inventory increase (170 out of 245Mt) comes from extensions in the Esrum, Discovery and East Zones.

## IRONBARK SUMMARY

Ironbark Zinc Limited is a well funded Company listed on the Australian Securities Exchange (ASX: IBG) and focussing on the development of the wholly owned Citronen Zinc-Lead Project 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 in Northern Greenland that currently hosts in excess of 10 billion pounds of zinc and lead. 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
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Inferred resource of 25.9Mt @ 5.0% Zn and 0.7% Pb
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*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
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Inferred resource of 8.2Mt @ 7.1% Zn and 0.7% Pb
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*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
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Inferred resource of 51.5Mt @ 3.8% Zn and 0.6% Pb
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*Using Ordinary Kriging interpolation and reported at a 2% Zn cut-off*

*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.*