

Thursday 5 September 2024
Australian Securities Exchange Limited
Level 40, Central Park,
152-158 St Georges Terrace
PERTH WA 6000

CITRONEN PROJECT – STRATEGY UPDATE

Ironbark Zinc Limited (“Ironbark”, “the Company”, or “IBG”) is pleased to provide shareholders with an update regarding progress at its wholly owned Citronen Project in Greenland.

HIGHLIGHTS

- Citronen remains 100% owned by IBG and is one the world’s largest undeveloped Zinc deposits:
 - **Mineral Resource: 85Mt @ 4.7% Zn & 0.5% Pb** (refer to ASX announcement dated 19/07/2021)
 - **Ore Reserve: 49Mt @ 4.8% Zn & 0.5% Pb** (refer to ASX announcement dated 19/07/2021)
 - Significant further exploration upside beyond known resource (see p.5)
- Supportive Zinc price environment persisting through the middle two quarters of 2024 with the Zn price currently trading near key US \$1.30/lb level used in 2021 Citronen BFS
- Few equivalent base metal projects of similar scale & maturity, with approved mining licence, BFS complete and 70% of Offtake pre-sold to Tier-1 counter parties, are held by ASX micro-caps
- Board is currently managing an ongoing strategic review to unlock value for shareholders, options under consideration include an outright project sale, majority sell-down to a new co-owner or spin out

IBG Managing Director Michael Jardine commented:

“Citronen, like any large Greenfields project, has been a difficult asset to try and develop over the last several years of heightened macro-economic uncertainty and volatile markets. We also recognise that the scale of both the challenge and opportunity at Citronen is significant and fresh eyes and capital are required to further advance the project.

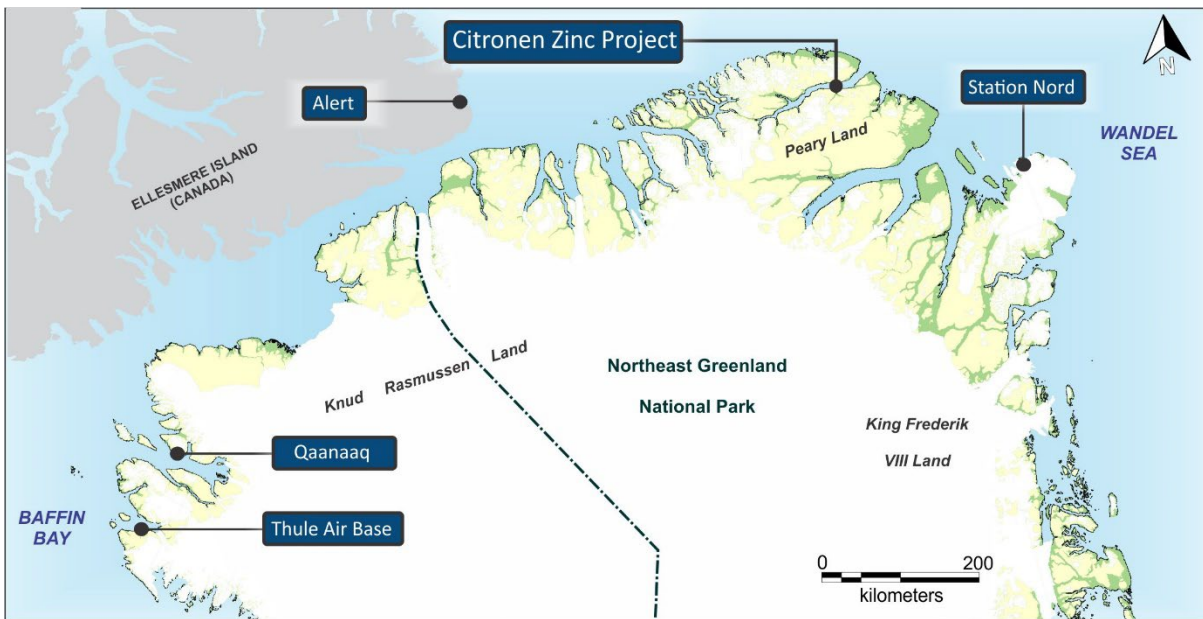
IBG Shareholders have been immensely patient as many tens of millions of dollars have been invested since 2007 and we’re working hard on their behalf to secure the best return we can for their investment. Ore bodies the size and scale of Citronen are not readily discovered and our ongoing 100% ownership provides the business with a strong negotiating platform as things develop over the coming months.”

CITRONEN REFRESHER

Citronen is in northern Greenland, a short charter flight away from the international airport at Loneyearbyen, Svalbard (LYR).



Map 1 – Citronen Project Location



Map 2 – North Greenland showing the nearest settlements to the Citronen Project



Map 3 – Location of Frederick E. Heyde Fjord and Citronen Fjord

Site work most recently took place in the Greenlandic summer of 2022 during the visit of US EXIM Bank and its technical advisory team in July 2022.

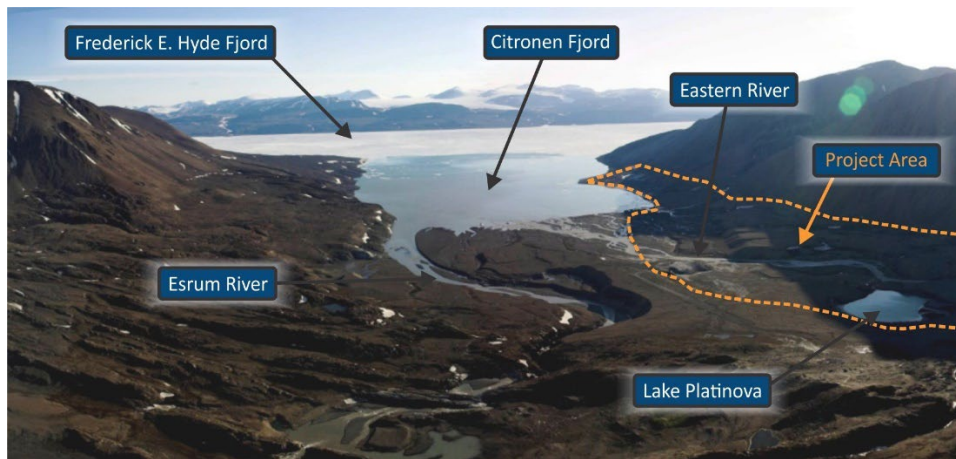


Figure 1 – Aerial image of Frederick E. Heyde Fjord and Citronen Fjord



Figure 2 – Citronen Project Site Visit @ the core yard. Attendees from left to right include IBG Chairman Dr. Fred Hess, IBG Managing Director Mr. Michael Jardine, Mr. Richard Allan (Bacchus Capital), Mr. Terry Brown (RPM Global), Mr. Aaron Poole (RPM Global), Frank Van Der Stijl (Exploration Geologist, responsible for the maiden discovery at Citronen in the 1990s), Mr. Frode Nilsen (LNS) and Mr. Nigel Goldup (Tetra Tech).

CITRONEN GEOLOGY

The Citronen Fjord deposit lies within the Palaeozoic Franklinian Basin, a sedimentary basin which extends across Northern Greenland and into Canada. The deposit lies within Ordovician deep water argillaceous rocks, interbedded with carbonate debris flows sourced from the carbonate platform to the south. Base metal mineralisation at Citronen is primarily contained within the Amundsen Land Group mudstones.

Three main stratigraphic horizons of mineralisation were identified by Platinova A/S. Known sulphide and zinc mineralisation occurs over an area of 12km in strike (identified to date). The main sulphides present are pyrite, sphalerite and galena. Three types of sulphide mineralisation are present: mound-like masses, interbedded sulphides that form laminae and beds within the mudstones and cross-cutting epigenetic mineralisation that is primarily found in the carbonate debris flows.

Beyond the known Mineral Resource Estimate a JORC 2012 Compliant Exploration Target of 40-90Mt @ 5-7% Zn & Pb combined (refer to ASX announcement dated 11/02/2021) has been defined at the Project.

Note: Please note that in accordance with Clause 17 of the JORC (2012) Code, the potential quantity and grade of the "Exploration Target" in this presentation must be considered 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 a Mineral Resource.

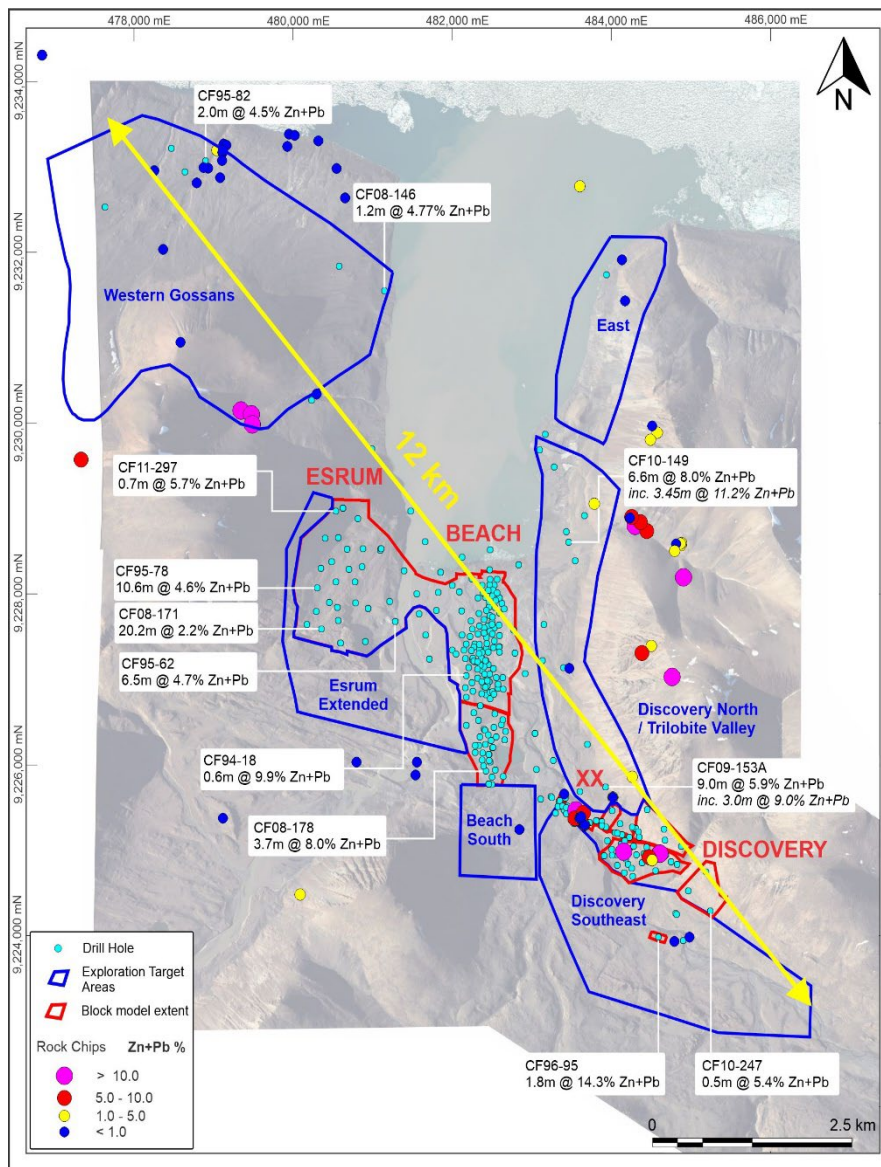


Figure 3 – Citronen Project drill holes, block model extent and exploration target areas highlighting the strike length of known mineralisation and high-grade drill intercepts including outside or at the edge of the current block model extent. Current 85Mt Mineral Resource inside red envelope only (refer to ASX announcement 19/07/2021).

NEXT STEPS

The Board continues to examine various options to realise value from the Company's very long-term investment in the Citronen Project with the current focus being on a full or partial project sell-down or a spin out of the Project into a standalone listed entity. Shareholders will be advised of any material progress regarding these discussions via the ASX platform as soon as practicable.

FURTHER DETAILS

This notice is authorised to be issued by the Board. Please contact Managing Director Mr Michael Jardine for any further inquiries at mjardine@ironbark.gl or +61 424 615 047.

Competent Persons Statement

The information included in this report that relates to Exploration Results & Mineral Resources is based on and fairly represents information compiled or reviewed by Ms Elizabeth Laursen (B. ESc Hons (Geol), GradDip App. Fin., MSEG, MAIG), an employee of Ironbark Zinc Limited. Ms Laursen has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Ms Laursen is a member of the Australian Institute of Geoscientists and Society of Economic Geologists. Ms Laursen consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The mining-specific information in this report, which relates to Ore Reserves, is based on information compiled by Mr Andrew Gasmier CP (Mining), who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Gasmier is employed full time by Mining Plus. He 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Gasmier consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Competent Persons Disclosure

Ms Laursen is an employee of Ironbark Zinc Limited and currently holds securities in the company.

JORC Resource

The current JORC 2012 compliant resource for Citronen (see ASX announcement dated 19 July 2021):

84.7 million tonnes at 4.72% Zn & 0.47% Pb

Category	Tonnes	Zn (%)	Pb (%)
Open pit @ 1.5% Zn cut-off			
Measured	11,767,520	2.9	0.5
Indicated	2,159,548	2.6	0.3
M&I	13,927,068	2.8	0.5
Inferred	3,303,573	2.9	0.4
Open pit total	17,230,641	2.8	0.4
Underground @ 3.5% Zn cut-off			
Measured	22,518,764	5.2	0.5
Indicated	26,208,555	5.5	0.5
M&I	48,727,319	5.4	0.5
Inferred	18,744,401	4.8	0.4
Underground total	67,471,720	5.2	0.5
TOTAL Mineral Resource			
Measured	34,286,284	4.36	0.51
Indicated	28,368,103	5.30	0.46
Inferred	22,047,974	4.55	0.42
Total	84,702,361	4.72	0.47

JORC Table 1 included in an announcement to the ASX released on 19th July 2021: “2021 Bankable Feasibility Study Confirms Citronen as World Class Zinc Project”. Ironbark confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.

Ore Reserve

The current JORC 2012 compliant Ore Reserve for Citronen is summarised below:

Deposit	Category	Tonnes (Mt)	ZnEq grade (%)*	Zn grade (%)	Pb grade (%)	ZnEq metal (Mt)	Zn metal (Mt)	Pb metal (Mt)
Beach underground	Proved	19.0	5.5	5.2	0.5	1.0	1.0	0.1
	Probable	7.0	5.8	5.7	0.5	0.4	0.4	0.03
Esrum underground	Proved	-	-	-	-	-	-	-
	Probable	15.8	5.1	4.8	0.4	0.8	0.8	0.06
Discovery open pit	Proved	5.5	3.5	3.2	0.6	0.2	0.2	0.03
	Probable	1.4	2.5	2.3	0.4	0.04	0.03	0.01
Total	Proved	24.6	5.1	4.6	0.5	1.2	1.1	0.13
	Probable	24.2	5.1	5.0	0.4	1.2	1.1	0.10
	Total	48.8	5.1	4.8	0.5	2.5	2.3	0.24

The Ore Reserve is based on Measured and Indicated Resources only and does not include any Inferred Mineral Resources. JORC Table 1 included in an announcement to the ASX released on 19th July 2021: "2021 Bankable Feasibility Study Confirms Citronen as World Class Zinc Project" Ironbark confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Exploration Target

40 Mt to 90 Mt at 5.0% to 7.1% zinc + lead combined

Prospect Area	Prospective sulphide horizons	Tonnes from - to (Mt)	Zinc % Grade range	Lead % Grade range	Combined zinc + lead grade
East	L3/L4	3 to 5Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Western Gossans	L3/L4	5 to 8Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Beach South	L2/L3	4 to 10Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Esrum Extended	L3	12 to 28Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Discovery South East	L1/L2/L3	10 to 25Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Discovery North/Trilobite Valley	L2/L3/L4	6 to 14 Mt	4.6 to 6.5% Zn	0.4 to 0.6 % Pb	5 to 7.1% zinc + lead
Total		40 to 90 Mt	4.6 to 6.5% Zn	0.4 to 0.6% Pb	5 to 7.1% zinc + lead

For further information on the Citronen Exploration Target, please see the ASX announcement dated 11 February 2021. The Exploration Target has not been included in the calculation of the life of mine or project NPV. The Exploration Target listed above is formed on the basis of historic exploration work at Citronen, including over 60,000m of diamond drilling and subsequent work sufficient to declare the Mineral Resource and Ore Reserve. The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and that it is uncertain if further exploration will result in the estimation of a Mineral Resource.

Ironbark plans to test the Exploration Targets as part of a phased exploration and resource development program. This multi-year program is planned to commence concurrently with mine development and construction, and is aimed at further improving the current Citronen mine plan through some potential combination of mine life extensions, grade uplift and/or the deferral of major lateral mine development in the current schedule. At present, Ironbark intends to undertake this work will take place within two years of construction beginning at Citronen.

A systematic drilling program is planned to test extensions to the known mineralisation at the newly identified conceptual target areas. IBG already has four drill rigs at Citronen that are available for any future exploration program, and any further exploration equipment will be mobilised in conjunction with the site construction activities as required.

The Exploration Target is based upon review of project drilling, rock chip samples and the limited geophysical data available. A 3D geological model of the project was used to assist in identifying prospective areas. Each area was systematically reviewed with tonnage ranges based on conceptual target sizes and area prospectivity. Exploration Target zinc and lead grade ranges and rock densities are based upon typical grades observed from the current Citronen Resource (refer to ASX announcement 12th March 2020). The Exploration Target calculation has been based on a combination of actual exploration results as discussed in this report and proposed exploration programmes.
