

Thursday 27 October 2022

Company Announcements

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

QUARTERLY ACTIVITIES REPORT PERIOD ENDING 30 SEPTEMBER 2022

Ironbark Zinc Limited (“Ironbark”, “the Company” or “IBG”) (ASX: IBG) hereby provides a report on its activities for the quarter ending 30 September 2022.

Highlights

Citronen

- US EXIM Bank 2022 site visit successfully completed in July 2022; major milestone completed. Negotiations continue on a cornerstone debt package for the Citronen Project
- Principals from Norway based Arctic specialist Leonhard Nilsen & Sønne (LNS) – Ironbark’s prospective equity and operating partner at Citronen - also attended site visit. Discussions with LNS on partnering at Citronen Project are progressing as planned

Corporate

- \$1.28 million Cash at Bank as at 30 September 2022
- Placement to raise a further \$1.5m successfully completed subsequent to quarter end. Please see ASX announcement dated Wednesday 26 October for further details

Zinc Market

- The Zinc price traded in a narrow band between US\$1.48/lb and US\$1.54/lb during the quarter, softening further after the quarter end
- Macro uncertainty continues to weigh on the metals market more broadly, with further Zn smelter capacity idled in Europe citing high energy costs
- Despite the headwinds, Zn continues to trade above the modelled price in Ironbark’s 2021 Citronen BFS of US\$1.30/lb

Ironbark Zinc Limited Managing Director:

“The September quarter was exceptionally busy for Ironbark with the first visit to Citronen in four years successfully taking place in July when US EXIM and LNS were welcomed to site. We continue close discussions with both groups on advancing the Project and look forward to further updating shareholders on progress as soon as possible.”

Projects - Citronen

US EXIM Bank Progress , Site Visit and Strategy Update

In July, Ironbark hosted EXIM's representatives (RPM Global) on a site visit to the Citronen Project. As a project site visit had been flagged as a key milestone to be achieved prior to any final credit decision by the EXIM Board, it was of vital importance this visit occurred in the 2022 field season.



Figure 1 – 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).

Ironbark's work with US EXIM Bank remains ongoing with both parties confirming their desire to continue working together post site visit. No guidance can be provided on specific milestones related to this process at the current time however much of the key financial and technical due diligence has now been completed or is nearing completion.

Status of LNS A/S MOU

Ironbark's prospective equity and operating partner at the Citronen Project, LNS A/S, also participated in the site visit as part of their continuing due diligence process foreshadowed under the MOU signed in May 2022. The Project site visit also provided a firsthand opportunity for Ironbark to inspect the infrastructure and asset base that LNS operate in Longyearbyen, Svalbard (the closest port and airport to the Citronen Project).

Given their successful and long-term track record in contract mining operations in Svalbard, in ground conditions very similar to Citronen Fjord, Ironbark's initial view that LNS could be a compelling partner to participate with Ironbark at Citronen was only strengthened as a consequence of the site visit.

Projects - Australia

Fiery Creek (EL 6925)

As noted in the Capital Raise announcement issued by Ironbark subsequent to the quarter end, it is anticipated that a field work program will be undertaken at Fiery Creek over the next 3-6 months (subject to various permitting and access requirements). Further detail on the proposed exploration plan for EL 6925 will be provided to Shareholders as soon as it is available.

Captains Flat (EL 6381)

No work occurred on the Captains Flat Project in the September quarter.

Corporate

ASX Listing Rule 5.4.5 Disclosure

Payments to related parties during the quarter as outlined in Sections 6.1 and 6.2 of the Appendix 5B consisted of \$95,861 in directors' fees and fees to the Managing Director under his executive services agreement.

The Company's cash balance, as at 30 September 2022, was **AUD \$1.28 million**. Expenditures related to the EXIM Phase 2 due diligence program, and the Citronen Project site visit, were significantly elevated for the period February to November 2022 but it is intended these will be much reduced in the future.

Further Inquiries

Contact and person who authorised the announcement:

Managing Director Michael Jardine on +61 424 615 047 or mjardine@ironbark.gl for any further inquiries.

ABOUT IRONBARK

Ironbark is listed on the Australian Securities Exchange and is seeking to become a base metal mining house. 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 through acquisition. The management and board of Ironbark have extensive technical and corporate experience in the minerals sector.

Ironbark is not aware of any new information or data that materially affects the information included in this ASX release, and Ironbark confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the resource estimates in this release continue to apply and have not materially changed.

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	Mt	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.

“Ironbark is an emerging leader amongst Australia’s mineral resource companies, dedicated to the development of its major base metal mining operation in Greenland – the world class Citronen Project, and the acquisition of quality base metals projects.”

Disclosure Statements and Important Information

Forward Looking Statements

The following information is not intended to guide any investment decisions in Ironbark Zinc Limited. This material contains certain forecasts and forward-looking information, including possible or assumed future performance, costs, production levels or rates, reserves and resources, prices and valuations and industry growth and other trends. Such forecasts and information are not a guarantee of future performance and involve many risks and uncertainties, as well as other factors. Actual results and developments may differ materially from those implied or expressed by these statements and are dependent on a variety of factors. The Company believes that it has a reasonable basis for making the forward looking statements in the announcement, based on the information contained in this and previous ASX announcements.

The Citronen Zinc Project is considered to be at an early development stage and will require further regulatory approvals and securing of finance and there is no certainty that these will occur. Nothing in this material should be construed as either an offer to seek a solicitation or as an offer to buy or sell Ironbark securities. Consideration of the technical and financial factors requires skilled analysis and understanding of their context.

Ironbark is not aware of any new information or data that materially affects the information included in this ASX release, and Ironbark confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in this release continue to apply and have not materially changed.

Competent Persons Statement

The information included in this report that relates to Exploration Results & Mineral Resources and Exploration Targets is based on information compiled by Ms Elizabeth Clare 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 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.

Schedule of Tenements (as required by ASX Listing Rule 5.3.3)

IRONBARK ZINC LIMITED CONSOLIDATED BASIS				
SCHEDULE OF INTERESTS IN MINING TENEMENTS				
Project	Mining Licence and tenements held	Location of tenements	Beneficial % interest at end of the quarter	Change in the quarter
Captains Flat (Joint Venture with Glencore)	EL6381	New South Wales	50%	-
Fiery Creek	EL6925	New South Wales	100%	-
Citronen	ML 2016/30	Greenland	100%	-