## ASX Announcement



28 July 2021

# Quarterly Activities and Cashflow Report for Period Ended 30 June 2021

Base metals explorer Zinc of Ireland NL (ASX:ZMI) ("**ZMI**" or "**Company**") presents its Quarterly Activities and Cashflow report. As previously communicated, given the impacts of COVID-19 in Europe, the Company continues to take a watch and wait position with respect to ongoing Government public health measures during the quarter, as Ireland continues to review and update its COVID-19 response. Zinc of Ireland considers that this remains the correct approach and is in the interests of both the Company (and contractor) personnel and public safety and will allow field work programmes to be implemented efficiently and to completion as soon as suitable conditions allow. ZMI has acquired a highly strategic Zn-Pb asset in Western Australia during the quarter and is finalising a Placement to advance exploration activities in both Ireland and Western Australia.

### Highlights:

Acquisition of Highly Prospective Zinc Lead Project in the Earaheedy Basin, Western Australia (as announced to the ASX on 30 June 2021).

- The Company has acquired 100% of ELA 38/3624, located in the Earaheedy Basin along strike from Rumble Resource's (ASX:RTR) recent announcement of a major zinc lead discovery (ASX RTR: 19 April 2021, MCAP ~ \$330m @ 53.5c) with mineralisation hosted by an unconformity between the Frere Iron Formation and the underlying Yelma Formation.
- ELA 38/3624 (~200km²) contains approximately 23km of the prospective unconformity located approximately 200km along strike to the south east from RTR's project. ELA 38/3624 hosts similar geology to ASX:RTR's Chinook project.
- The unconformity has been described by RTR as 'a likely regional scale conduit for metal bearing fluids'.
- Acquired licence hosts historic and anomalous zinc in soil results up to 181ppm with no previous drilling on or near the prospective contact.
- Favourable regional structures evident in magnetics.
- Radiometrics, geological mapping and other opensource data appear to trace out the unconformity contact providing a simple vector for exploration.



- Ground exploration is expected to consist of low cost geochemistry and detailed geological mapping programmes with drilling to follow.
- The Company has completed the first tranche of approximately \$1.3mln of a placement of \$1.8mln to fund the Acquisition and the exploration of ELA 38/3624 and future exploration activities in both Ireland and Western Australia. Highly respected Dundee Goodman Merchant Partners Ltd (Canada) and Delphi AG (Germany) are both participating in the Placement. The second tranche of the Placement is subject to shareholder approval which will sought at a General Meeting to be called by the Company shortly.

## Earaheedy Project – Western Australia

#### Earaheedy Tenement EL 38/3624

The Earaheedy Licence is located approximately 200km southeast of the RTR Chinook and Magazine Pb-Zn discoveries having been pegged by Unconformity Zinc Pty Ltd (UZ) prior to RTR taking a position in the basin (Figure 1).

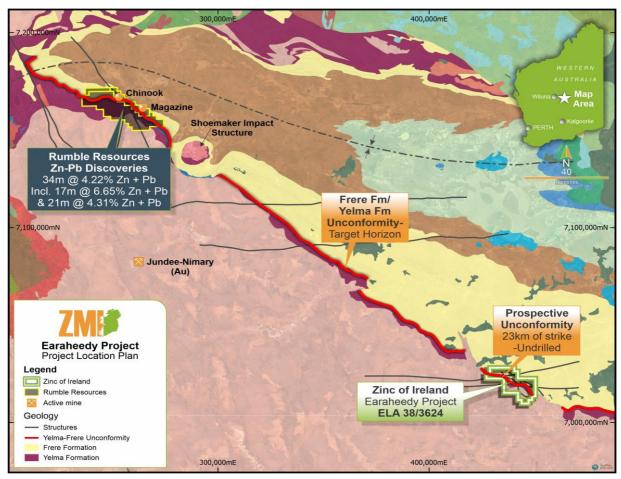


Figure 1. Zinc of Ireland acquisition with respect to unconformity contact and RTR discovery.

The ZMI tenement is largely unexplored with previous operators having focused on gold within Archean greenstones adjacent to the tenement and under Proterozoic



cover, especially to the west of the Licence area. A wide-spaced State geochemistry programme has returned a 181ppm Zn result (WACHEM dataset Sample ID 166818\_C1M3SD3) coincident with the Frere/Yelma unconformity (refer Figure 2).

The licence contains approximately 23km of strike of the target unconformity between the Frere and Yelma formations. The Paleoproterozoic Frere Formation is comprised of granular iron-formation, granular siliceous iron-formation, peloidal chert, siltstone and sandstone and unconformably overlies sandstones, siltstones, shales, minor conglomerates and dolomite of the older Yelma Formation.

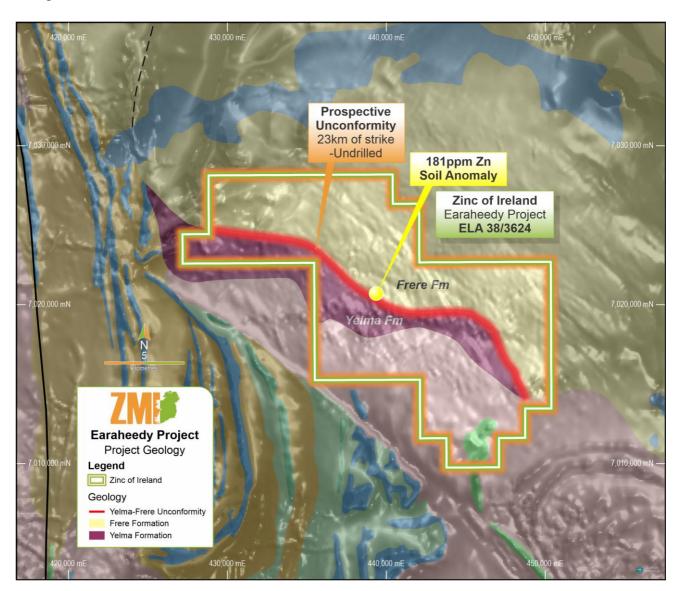


Figure 2. Tenement location containing 23km of prospective unconformity striking northwest with anomalous soil sample at the contact. (WACHEM dataset, 181ppm Zn Sample ID 166818\_C1M3SD3)

ZMI considers the EL to be prospective for sedimentary exhalative (SEDEX) zinc lead mineralization and amenable to low-cost geochemical exploration techniques along the unconformable contact.



The Zn-Pb mineralization identified at Chinook and Magazine is reported to occur as sphalerite galena and pyrite hosted within sandstone subbasins overlying the Frere/Yelma unconformity (refer BPM Minerals (ASX:BPM) announcement dated 19 May 2021).

Previous ground based exploration on the tenement appears to be neglible based on a search of open source data. Airborne magnetic and radiometric data was collected by North Ltd in 1996 (WAMEX openfile Ref: A52845) providing coverage of approximately two thirds of the tenement including all of the unconformable contact target area.

North Ltd have interpreted several structural sets within the magnetic data. These include:

- D<sub>0</sub> NNW-SSE features representing extension
- D<sub>1</sub> NNW-SSE features representing shortening
- D<sub>2</sub> ENE-WSW major throughgoing structures which dominate regional strike
- D<sub>4</sub> N-S features representing dextral strike slip

ZMI will look to attain the original North Ltd raw geophysical data and assess its utility in the planning of initial geochemical programme design and the interpretation of subsequent Zn-Pb results and ranking of drill targets.

The structural regime proposed by North Ltd is also apparent in the government aeromagnetic dataset (Figure 3) and also has obvious similarities to that depicted on the RTR tenements where the NNW-SSE and ENE-WSW structures are readily apparent, the former appearing to bisect the tenement.



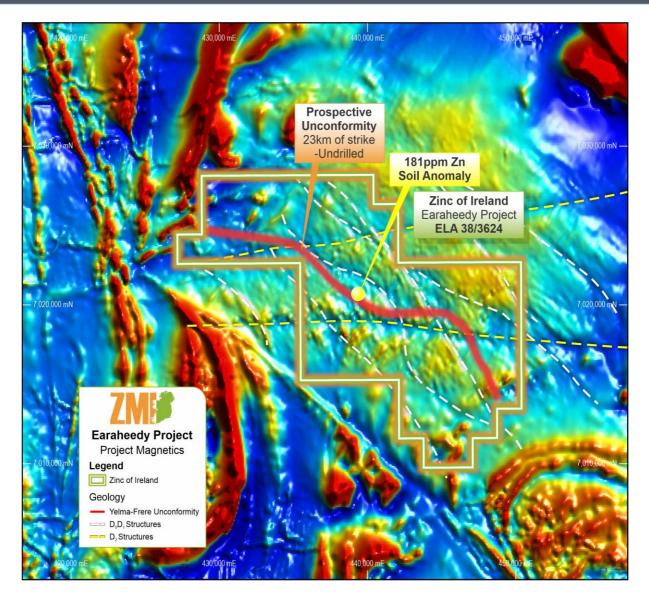


Figure 3. Wamex Open Source Aeromagnetic data (TMI) with strongly developed structural sets.

#### **Sedex Style Mineralisation**

Recent exploration results and associated interpretations reported by RTR (e.g. announcement dated 3<sup>rd</sup> June 2021, www.rumbleresources.com.au) suggest that the Yelma-Frere unconformity has the potential for mixed clastic/carbonate hosted Zn-Pb mineralisation. RTR describe the potential for large scale Zn Pb (Ag) SEDEX style deposits as 'high'. RTR have also identified the potential for multiple inferred feeder faults to host higher grade mineralisation.

ZMI's ELA 38/3624 hosts some 23km of the same Frere-Yelma unconformity which is dissected by similar fault architecture (Figure 3). On that basis the company intends to primarily target SEDEX style mineralisation (Figure 4) in its initial exploration programmes.



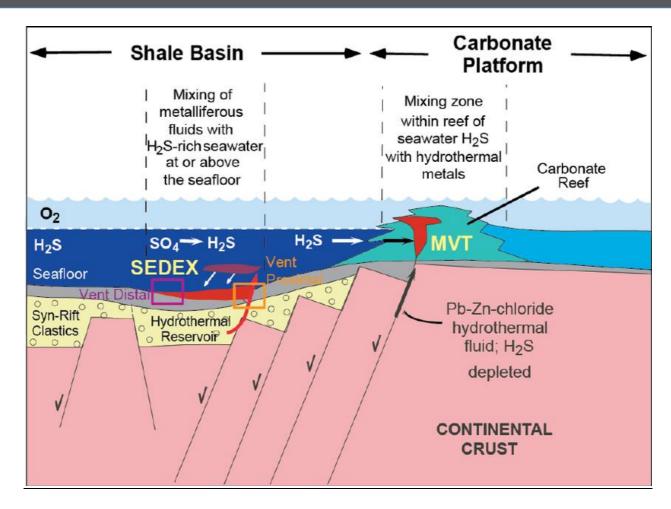


Figure 4. Genetic model for the formation of sediment hosted Zn-Pb mineralisation (SEDEX) from Peter, Jan & Layton-Matthews, Daniel & Gadd, Michael & Gill, Shannon & Baker, S & Plett, S & Paradis, Suzanne. (2015). Application of Visible-Near Infrared and Short Wave Infrared Spectroscopy to Sediment-hosted Zn-Pb Deposit Exploration in the Selwyn Basin, Yukon <a href="https://www.reasearchgate.net">www.reasearchgate.net</a>.

#### **Proposed Work Programme**

The proposed work programme will be comprised of:

- A review of existing open source geological mapping and geophysical surveys to assess surficial cover and the amenability of surface geochemistry along the unconformity.
- Reprocessing any available aeromagnetics to better delineate the iron rich Frere Formation's unconformable contact with the underlying Yelma Formation.
- An initial field visit and ground orientation study to understand the project regolith and types of cover and the most appropriate geochemical sampling technique.
- Visiting the site of the anomalous surface sample recorded in WA GeoView database (181ppm Zn).
- Trial portable XRF (pXRF) lines across unconformity looking for base metals (Zn in particular).
- Upon granting of the EL it is envisaged that the 23km long unconformity corridor will be subjected to systematic pXRF sampling and mapping.



- Anomalous areas will be targeted with conventional soil geochemistry and/or power auger sampling as appropriate.
- Ground geophysical surveys may be carried out to follow up on or supplement areas identified by first pass mapping and sampling.
- Drill planning and permitting.

The absence of previous exploration data (with the exception of sparse broadly spaced, circa 2km by 2km, soil geochemistry) in combination with readily available open source data and the success of RTR along strike has leant itself towards, the proposed implementation of simple, cost effective exploration strategies at ZMI's Earaheedy licence.

### Rathdowney Trend Project (Ireland)

#### **Quarterly Activity and Post Covid Work Programme**

Due to the ongoing effects of the Covid 19 pandemic, exploration activity during the quarter was heavily curtailed in Ireland. ZMI continued to liaise with the Department of Environment, Climate Change and Communications (DECC) and other relevant stakeholders during the quarter to ensure that post pandemic field programmes can be implemented.

- The completion of the Placement will promote exploration on the Trend as the effects of Covid 19 subside and exploration activity becomes both possible and prudent.
- ZMI via (Raptor Resources) now controls 67 Prospecting Licenses (PL's) covering 2,500km<sup>2</sup> and 130km of strike on the Rathdowney Trend.
- The Rathdowney Trend hosts the previously mined Lisheen (22.8Mt at 14.1% Zn+Pb) and Galmoy (9.7Mt at 16.2% Zn+Pb) deposits as well as the Company's flagship Kildare deposit (11.3Mt @ 9.0% Zn + Pb) and a number of other prospects.
- An updated Inferred Mineral Resource Estimate for the Kildare Project was reported to the ASX on 8 September 2020 with resources now standing at: 11.3 Mt @ 9.0% Zn+Pb (7.8% Zn and 1.2% Pb) at a 5.0% Zn equivalent cut off.
- The Company is now in control of what is arguably one of the most prospective exploration land packages for high grade, large tonnage, Zn/Pb deposits in the world (Figure 5).

Quality target areas are being identified based on the mineralisation model developed by the Company (Figure 6) and comprehensive follow up work programmes will be designed and implemented.



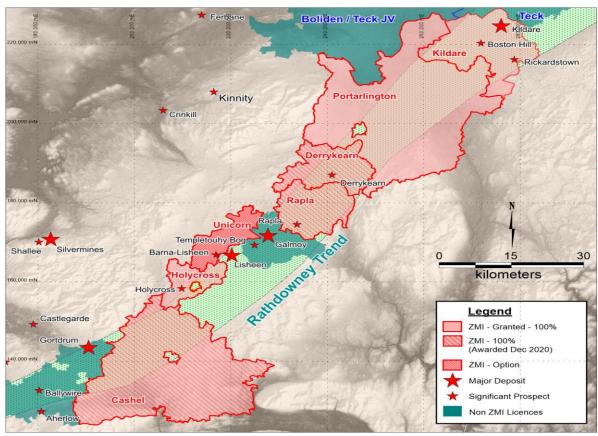


Figure 5. ZMI Licence position on the Rathdowney Trend

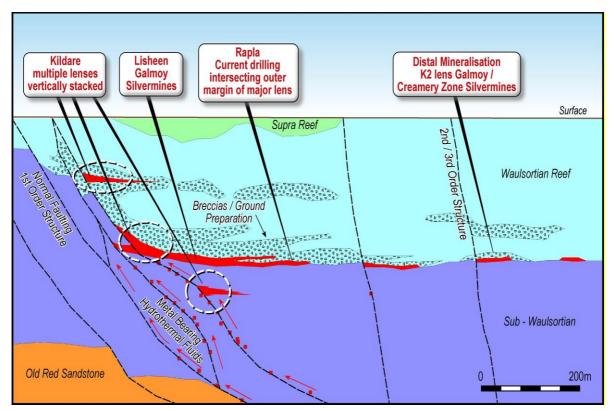


Figure 6 – Typical deposit setting; Rathdowney Trend



### Other Matters – Corporate

The Company had cash on hand as at 30 June 2021 of approx. \$470k. During the quarter A\$24K was paid to related parties for Director's fees, these fees were paid on normal commercial terms.

On 30 June 2021 ZMI announced that it had entered into a Binding Term Sheet to acquire 100% of ELA 38/3624 through the acquisition of Unconformity Zinc Pty Ltd. ELA38/3624 is located in the Earaheedy Basin and contains approximately 23km of the prospective unconformity.

The Company will fund the acquisition of Unconformity Zinc Pty Ltd through the issue of consideration Shares, Options and Performance Rights (see full announcement on the acquisition on 30 June 2021). The Company also advised of a concurrent capital raising and has finalised firm commitments for a placement of \$1.8m (before costs) to fund the acquisition, the exploration of ELA 38/3624 and future exploration.

Highly respected Dundee Goodman Merchant Partners Ltd (Canada) and Delphi AG (Germany) are both participating in the Placement to maintain their respective interests. The capital raising will be conducted in two tranches, Tranche 1 shares have already been allocated and approx. \$1.3mln in funds has been received, Tranche 2 will be subject to Shareholder approval at a General Meeting to be held in the immediate future, it is anticipated that a further \$517k will be raised.

On 13 April 2021 the Company advised that 1,500,000 unlisted options (exp 12 April 2021, ex price \$0.20), had expired unexercised. On the 26 May 2021 the Company also advised that Class "C", "D" and "E" Director Performance Rights had lapsed.

Richard Monti and Thomas Corr continue to take their director fees in ZMI securities in lieu of cash on a 50% and 100% basis respectively, this has been ongoing since May 2020.

The Board of Directors of Zinc of Ireland NL have authorised this announcement for release to the market.

Yours faithfully,

**Richard Monti** 

Non-Executive Chairman Zinc of Ireland NL



#### **Investor Inquiries:**

Richard Monti Zinc of Ireland NL Tel: +61 8 9287 4600

#### **Competent Persons' Statements**

The information in this report that relates to exploration results is based on information compiled by Mr. Greg Hope, a Competent Person who is a member of the Australian Institute of Geoscientists (AIG) Mr. Hope has sufficient experience, which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which has been undertaken 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 (JORC Code). Mr. Hope consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Mineral Resources at ZMI's Kildare Project is extracted from the report entitled (Increase in JORC Resource and Completion of Mining Study at the Kildare Zn/Pb Project Co. Kildare, Ireland) created on 8 September 2020 and is available to view on the ASX Platform in the Company announcements section. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement 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.

#### Disclaimer

Certain statements contained in this announcement, including information as to the future financial or operating performance of ZMI and its projects, are forward-looking statements that:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by ZMI, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and,
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

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Zincofireland.com ACN: 124 140 889



## **TENEMENT DETAILS**

Location	Project Name	Tenement #	Ownership	Titleholder #
Ireland	Kildare	3846	100%	Raptor Resources
Ireland	Kildare	3866	100%	Raptor Resources
Ireland	Kildare	4069	100%	Raptor Resources
Ireland	Kildare	4070	100%	Raptor Resources
Ireland	Kildare	4072	100%	Raptor Resources
Ireland	Kildare	4073	100%	Raptor Resources
Ireland	Kildare	890	100%	Raptor Resources
irciana	Rildarc	050	100%	Beal Na Blath
Ireland	Charlestown	2981	100%	Resources Ltd
			10070	Beal Na Blath
Ireland	Charlestown	2982	100%	Resources Ltd
Ireland	Charlestown	2522		Beal Na Blath
ireiand	Charlestown	2523	100%	Resources Ltd
Ireland	Charlestown	1022		Beal Na Blath
irciana	Charlestown	1022	100%	Resources Ltd
Ireland	Charlestown	1562		Beal Na Blath
	0.10.1000		100%	Resources Ltd
Ireland	Charlestown	3771	4000/	Beal Na Blath
			100%	Resources Ltd
Ireland	Charlestown	3772	100%	Beal Na Blath Resources Ltd
			100%	Beal Na Blath
Ireland	Charlestown	3774	100%	Resources Ltd
			100/0	Beal Na Blath
Ireland	Charlestown	3887	100%	Resources Ltd
tuala a d	Classification in	2020		Beal Na Blath
Ireland	Charlestown	3929	100%	Resources Ltd
Ireland	Charlestown	3930		Beal Na Blath
irelatiu	Charlestown	3930	100%	Resources Ltd
Ireland	Holycross	3318		Centenary
	,		100%	Resources
Ireland	Holycross	4035	1000/	Centenary
			100%	Resources
Ireland	Holycross	4510	100%	Centenary Resources
Ireland	Portarlington	1628	100%	Raptor Resources
Ireland	Portarlington	3648		Raptor Resources
	_		100%	•
Ireland	Portarlington	3854	100%	Raptor Resources
Ireland	Portarlington	4067	100%	Raptor Resources
Ireland	Portarlington	4066	100%	Raptor Resources
Ireland	Portarlington	4065	100%	Raptor Resources
Ireland	Portarlington	3674	100%	Raptor Resources
Ireland	Portarlington	3662	100%	Raptor Resources



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Ireland	Cashel	4118	100%	Raptor Resources
Ireland	Cashel	4480	100%	Raptor Resources
Ireland	Cashel	4481	100%	Raptor Resources
Ireland	Cashel	4482	100%	Raptor Resources
Ireland	Cashel	4483	100%	Raptor Resources

<sup>#</sup> Beal na Blath Resources Ltd, Raptor Resources Ltd and Centenary Resources Limited are wholly-owned subsidiaries of Zinc Mines of Ireland Limited. Zinc Mines of Ireland Limited is a wholly-owned subsidiary of Zinc of Ireland NL (ZMI).



## **Appendix 5B**

# Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Zinc of Ireland NL		
Quarter ended ("current quarter")		
30 June 2021		

Cons	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(24)	(97)
	(e) administration and corporate costs	(62)	(335)
1.3	Dividends received	-	-
1.4	Interest received	-	1
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	7	7
1.9	Net cash from / (used in) operating activities	(79)	(424)



Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	(18)	(265)
	(e) investments	-	-
	(f) other non-current assets	-	-
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	50
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(18)	(215)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	120	120
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	120	120



Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	444	990
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(79)	(424)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(18)	(215)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	120	120
4.5	Effect of movement in exchange rates on cash held	3	(1)
4.6	Cash and cash equivalents at end of period	470	470

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	450	424
5.2	Call deposits	20	20
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	470	444

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	24*
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
	f any amounts are shown in items 6.1 or 6.2, your quarterly activity report must includ ation for, such payments.	e a description of, and an

<sup>&#</sup>x27;\*' Directors fees paid on normal commercial terms.



7.	Financing facilities  Note: the term "facility' includes all forms of financing arrangements available to the entity.  Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end		
7.6	7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(79)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(18)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(97)
8.4	Cash and cash equivalents at quarter end (item 4.6)	470
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	470
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	4.85
	Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3 Otherwise, a figure for the estimated quarters of funding available must be included in ite	
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following questions:	

8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer: Not applicable

8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer: Not applicable

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: Not applicable

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.



#### Compliance statement

- This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Sign here: ...... Date: 28 July 2021

Jerry Monzu (Company Secretary)

The Board of Directors of Zinc of Ireland NL have authorised this announcement for release to the market.

#### Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the
  definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement
  of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other
  accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to
  this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee e.g. Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's Corporate Governance Principles and Recommendations, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.

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