



30 Jan 2023

December 2022 quarterly activities report

QUARTER 4 HIGHLIGHTS

Bird in Hand Gold Project

- Terramin has continued to progress the Mining Lease Application for its Bird in Hand Gold Project. The South Australian mining regulator continues to progress its final assessment of this application.

Tala Hamza Zinc Project

- Final regulatory approval of the Tala Hamza Zinc Project continues to progress.
- WMZ received environmental clearance from the Algerian Environmental Minister.

Kapunda In Situ Copper Recovery Project

- Terramin's joint venture partner, Environmental Copper Recovery Pty Ltd, has finalised its \$2.5 million funding agreement with OZ Minerals to investigate the In-Situ Recovery of copper at Kapunda.

South Gawler Ranges Project

- Exploration activities under the agreement with Japan Organization for Metal and Energy Security (JOGMEC) has commenced.
- An extensive gravity survey of 70% of the project area and some IP surveys have been completed and the results are currently being interpreted.

Corporate

- The Company's total cash balance¹ was \$5.80 million at the end of the quarter.

1. Please refer to Footnote 1 on page 7 of this report.

BIRD IN HAND GOLD PROJECT & ANGAS ZINC MINE SITE

100% owned by Terramin and its subsidiary Terramin Exploration Pty Ltd

The Bird in Hand Gold Project (BIHGP) is located approximately 30km north of Terramin's existing mining and processing facilities at the Angas Zinc Mine (Angas). The project has a high-grade Resource of 650,000 tonnes at 12.6g/t for 265,000 ounces of gold. A feasibility study showed that the BIHGP expected to generate a post-tax NPV₈ of \$141 million with an IRR of 80.5% over approximately 4 years of production. The project's base case projection is to produce an average of 44,700 ounces of gold per annum at a low C1 cash cost of \$737 per ounce and an all-in sustaining cost of \$959 per ounce. It is anticipated that, subject to required regulatory approvals, the Bird in Hand ore will be processed utilising the facilities at Angas which can be modified to process gold-bearing material. The existing tailings dam at Angas has the capacity to hold Bird in Hand tailings.

Terramin has continued to progress the Mining Lease Application for its BIHGP and the Miscellaneous Purposes Licence to allow the Angas site to treat the Bird in Hand ore. The South Australian Department for Energy and Mining (DEM) has continued to progress its assessment and is in the final phase of its assessment and approval process. Terramin is awaiting a decision from DEM and the Minister for Energy and Mining regarding the applications.

The Program for Environment Protection and Rehabilitation (PEPR) has been largely finalised and is ready for submission.

Terramin continues to engage with a number of parties which are interested in funding or investing in the project and is in receipt of a number of funding offers. There is strong interest from offtake parties, streaming and royalty companies, financial institutions and other mining companies.

The Angas site continued to be maintained in accordance with the DEM approved Mine Care and Maintenance Plan and is operating in compliance with its lease conditions.

Expenditure on the BIHGP and Angas site during the quarter was \$0.46 million (noting that this number includes care and maintenance costs at Angas).

TALA HAMZA ZINC PROJECT

100% owned by Western Mediterranean Zinc Spa (WMZ)

Terramin holds a 49% shareholding in WMZ. The remaining 51% is held by two Algerian government-owned companies: Entreprise Nationale des Produits Miniers Non-Ferreux et des Substances Utiles Spa (ENOF) (48.5%) and Office National de Recherche Géologique et Minière (ORGM) (2.5%).

Terramin is pleased to advise that the final regulatory approval of the Tala Hamza Zinc Project (Tala Hamza) is proceeding following the formal endorsement of Tala Hamza by Terramin's Algerian joint venture partners.

In March 2022, the joint venture partners agreed to advance the project towards development ('Decision to Mine'). The 'Decision to Mine' cleared the path for the issue of the mining permit which will be issued by the Algerian mining regulator (ANAM). WMZ has subsequently lodged all required documentation with ANAM.

During the quarter, WMZ received environmental clearance from the federal environmental authorities and the Minister of Environment. WMZ had previously obtained approval from the local government authority.

Discussion with the local government authorities have commenced in respect of the provision of land access.

Expenditure on Tala Hamza during the quarter was \$0.1 million.

KAPUNDA IN SITU COPPPER RECOVERY PROJECT

25% free carried interest until completion of project thresholds

The Kapunda In Situ Copper Recovery Project is located near the township of Kapunda which is approximately 90km north of Adelaide. The project is focused on the recovery of copper and gold from a historical mining area through the use of in situ recovery. The project has a resource of 47.4 million tonnes at 0.25% copper containing 119,000 tonnes of copper.

During 2020, Terramin's joint venture partner, Environmental Copper Recovery Pty Ltd (ECR) earned a 50% interest in the project after spending \$2.0 million and has elected to earn a further 25% by spending an additional \$4.0 million. Subject to the completion of this expenditure, Terramin will retain 25% and receive a 1.5% royalty in respect of all metals extracted by the joint venture.

During the quarter, ECR successfully completed signing the funding agreement with OZ Minerals Limited (ASX: OZL) to carry out the next phase of work at Kapunda. Funding is for circa \$2.5M over an 18 month to 2-year period.

Work is already underway with discussions with DEM regarding regulatory approvals for the next stage of in ground testing. Initial discussions with drilling, laboratory and engineering groups is currently taking place.

Groundwater monitoring of bores and the nearby Light River for regulatory requirements was on going for the quarter.

EXPLORATION PROJECTS

100% owned by Terramin and Terramin subsidiaries Terramin Exploration Pty Ltd or Menninnie Metals Pty Ltd unless otherwise disclosed as part of a joint venture arrangement

The Adelaide Hills Project consists of eleven contiguous exploration tenements that cover 3,481km² and stretch from Lake Alexandrina to Kapunda. This project area is considered highly prospective for gold, copper, lead, zinc and rare earth elements.

Terramin's South Gawler Ranges Project is located along the southern margin of the Gawler Ranges, northern Eyre Peninsula, South Australia. The project comprises a group of eleven Exploration Licenses totaling 4,524km².

Adelaide Hills Project

No significant exploration activity has been undertaken during the quarter outside those activities detailed in this report in respect of the Bird in Hand Gold Project and the Kapunda In Situ Copper Recovery Project.

During the quarter, Terramin resolved not to renew exploration tenement EL6228 (Pfeiffer) and it expired on 21 November 2022.

South Gawler Ranges Project (SGRP) (Exploration Agreement with Japan Organization for Metal and Energy Security (JOGMEC))

In March 2022, Terramin entered into a \$10.5 million agreement with JOGMEC for exploration of the SGRP. The agreement was subsequently given FIRB approval in June 2022.

During the quarter, an extensive gravity survey was undertaken which covered approximately 70% of the entire project area. This survey results in approximately 95% of the project area now being covered by gravity data. The purpose of this survey is to identify priority exploration areas. The results of these surveys are currently being interpreted by an independent consultant and JOGMEC geologists.

Two induced polarisation (IP) surveys were also undertaken on particular areas of interest. These results are being interpreted by JOGMEC geologists.

An application has been made with DEM for the approval of a drilling programme to obtain geochemical samples. The program is expected to be undertaken later in the year.

Terramin has commenced negotiations with the local Native Title group in regards to establishing a new Native Title Mining Agreement for exploration activities.

Terramin's expenditure on the Adelaide Hills and South Gawler Ranges tenements was \$0.01 million.

TENEMENT SCHEDULE (ASX LR 5.3.3)**Terramin Australia Limited****Tenement listing**

Title name and locations	Licence number	Interest
Angas - South Australia	ML 6229	100%
Bremer - South Australia ¹	EL 5924	100%
Cambrai - South Australia ¹	EL 6540	100%
Tepko - South Australia ¹	EL 6267	100%
Wild Horse - South Australia	EL 5846	100%

Terramin Exploration Pty Ltd (100% Terramin)**Tenement listing**

Title name and locations	Licence number	Interest
Bird-in-Hand Mineral Claim	MC 4473	100%
Kapunda - South Australia ¹	EL 6198	100%
Lobethal - South Australia ¹	EL 6447	100%
Mount Barker - South Australia ¹	EL 6154	100%
Mount Pleasant - South Australia ¹	EL 6696	100%
Mount Torrens - South Australia ¹	EL 6319	100%
Ulooloo – South Australia	EL 6293	100%

Western Mediterranean Zinc Spa (49% Terramin)**Tenement listing**

Title name and locations	Licence number	Interest
Oued Amizour - Algeria	6911 PEM	100%

Menninnie Metals Pty Ltd (100% Terramin)**Tenement listing**

Title name and locations	Licence number	Interest
Kolendo - South Australia ²	EL 6413	100%
Menninnie - South Australia ²	EL 5949	100%
Mt Ive - South Australia ²	EL 6200	100%
Mt Ive South - South Australia ²	EL 6412	100%
Mulleroo - South Australia ²	EL 5855	100%
Nonning - South Australia ²	EL 5925	100%
Peltabinna – South Australia ²	EL 6290	100%
Tanner - South Australia ²	EL 6414	100%
Taringa - South Australia ²	EL 6673	100%
Thurlga - South Australia ²	EL 6479	100%
Unalla - South Australia ²	EL 6179	100%

- Subject to an amalgamated expenditure arrangement with the Department for Energy and Mining (DEM) encompassing the Adelaide Hills tenements.*
- These tenements are subject to an exploration agreement with JOGMEC. Subject to an amalgamated expenditure arrangement with the DEM encompassing the Menninnie Metals (South Gawler Ranges) tenements.*

Terramin Australia Limited**Expired Tenement listing**

Title name and locations	Licence number	Interest
Pfeiffer - South Australia ³	EL 6228	100%

- The exploration licence in respect of the tenement referred to as Pfeiffer (Licence number: EL 6228) expired on 21 November 2022 and the Company chose not renew it.*

CORPORATE AND ENVIROMENTAL PERFORMANCE

Terramin continued to pursue its safety and environmental goals during the quarter. There were no recordable injuries and no instances of non-compliance with relevant safety or environmental regulation or lease conditions.

During the quarter, no equity was issued and no unlisted options were exercised.

The Asipac Group debt facility limit is \$28.5 million¹. \$28.3 million had been drawn as at 31 December 2022.

At 31 December 2022, the Company's total cash balance² was \$5.80 million.

This ASX release was approved by the Terramin Board.

For further information, please contact:

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1. ASX announcement issued on 19 December 2022, "Finance Facility Update".
2. The total cash balance includes a short-term deposit which primarily supports the environmental rehabilitation bond over Mining Lease 6229 as required by the South Australian Government (explained in more detail at footnote 1 of Note 6 on page 15 of the 2022 Interim Financial Report released to the ASX on 13 October 2022).

CORPORATE INFORMATION

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DIRECTORS AND MANAGEMENT

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Executive Chairman

Non-Executive Deputy Chairman

Non-Executive Director

Non-Executive Director

Non-Executive Director

Executive Officer

Company Secretary

CAPITAL STRUCTURE – 31 December 2022

Shares on issue

2,116,562,720

Unlisted options

5,000,000

Forward Looking Statements

This announcement includes certain ‘forward looking statements’. All statements, other than statements of historical fact, are forward looking statements that involve various risks and uncertainties. There can be no assurances that such statements will prove accurate, and actual results and future events could differ materially from those anticipated in such statements. Such information contained herein represents management’s best judgement as of the date hereof based on information currently available. Except for statutory liability which cannot be excluded, each of Terramin, its officers, employees and advisors expressly disclaim any responsibility for the accuracy or completeness of the material contained in this document and exclude all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this statement or any error or omission. The Company does not assume any obligation to update any forward-looking statement. Accordingly, no person or entity should place undue reliance on any forward looking statement.

Competent Persons Statement

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Eric Whittaker (Tala Hamza and Exploration) and Mr Dan Brost (Bird-in-Hand), both being Competent Persons who are Member(s) of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Whittaker is employed as the Principal Resource Geologist of Terramin Australia Limited and Mr Brost is a geologist consulting to Terramin. Mr Whittaker and Mr Brost have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as Competent Person(s) as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Whittaker and Mr Brost consent to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Ore Reserves is based on information compiled or reviewed by Mr Luke Neesham, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Neesham is Principal Mining Engineer for GO Mining Pty Ltd a consulting firm engaged by Terramin Australia Limited to prepare mining designs and schedules for the Tala Hamza Feasibility Study. Mr Neesham has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being 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’. Mr Neesham consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Appendix 5B

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

Name of entity

Terramin Australia Limited

ABN

67 062 576 238

Quarter ended ("current quarter")

31 December 2022

Consolidated 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	6	6
1.2 Payments for		
(a) exploration & evaluation	-	(209)
(b) development	-	-
(c) production	-	-
(d) staff costs	(194)	(731)
(e) administration and corporate costs	(403)	(1,169)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	50	75
1.5 Interest and other costs of finance paid	(28)	(111)
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other (provide details if material)	-	-
1.9 Net cash from / (used in) operating activities	(569)	(2,139)

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	(91)	(441)
(e) investments	-	-
(f) other non-current assets	-	-

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

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(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)	-	(3)
2.6	Net cash from / (used in) investing activities	(91)	(444)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
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	750	2,665
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	750	2,665

4.	Net increase / (decrease) in cash and cash equivalents for the period	-	-
4.1	Cash and cash equivalents at beginning of period	5,711	5,721
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(569)	(2,139)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(91)	(444)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	750	2,665

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

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	(2)
4.6	Cash and cash equivalents at end of period	101	101
4.7	Short-term deposit held at end of period	5,700	5,700
4.8	Total cash and cash equivalents at end of period	5,801	5,801

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	100	20
5.2 Call deposits	-	-
5.3 Bank overdrafts	-	-
5.4 Other (provide details) Cash on hand	- 1	- 1
5.5 Cash and cash equivalents at end of quarter (should equal item 4.6 above)	101	21
5.6 Short-term deposit held at end of period	5,700	5,690
5.7 Total cash and cash equivalents at end of period	5,801	5,711

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	-
6.2 Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

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

7.	Financing facilities	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
	<i>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.</i>		
7.1	Loan facilities	28,459	28,259
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	28,459	28,259
7.5	Unused financing facilities available at quarter end		200
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.		
	<p>At 31 December 2022, Terramin and its subsidiary, Terramin Exploration Pty Ltd (TZNEX) secured Facility Agreements with major shareholder Asipac Group Pty Ltd (Asipac) totalling \$28.46m, incorporating the Standby Term Facility \$21.18m, the Bird in Hand Facility \$6m and the unsecured Standby Term (No.2) Facility \$1.28m, of which \$28.26m was drawn at the reporting date.</p> <p>Asipac continues to support Terramin and on 19 December 2022 the Company announced (ASX Announcement: <i>Finance Facility Update</i>) an increase to the facility limit of the Standby Term (No.2) Facility from \$0.875m to \$1.275m.</p> <p>Terramin also announced (ASX Announcement on 30 January 2023: <i>Finance Facility Update</i>) that the term of the Facilities had been extended from 31 January 2023 to 30 April 2023.</p>		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(569)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(91)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(660)
8.4	Cash and cash equivalents at quarter end (item 4.6)	101
8.5	Unused finance facilities available at quarter end (item 7.5)	200
8.6	Total available funding (item 8.4 + item 8.5)	301
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	0.46
	<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
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: Yes	

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

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: The Company continues to seek support in the short-term from major shareholder Asipac Group Pty Ltd, a long-standing supporter of the Company, to progress its mining lease applications in South Australia and Algeria. Concurrently, discussions with potential financiers / investors continue with a number of financing options currently being considered.

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: Yes, refer to item 8.8.2 above.

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

- 1 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.

Date: 30 January 2023.....

Authorised by: By the Board.....
(Name of body or officer authorising release – see note 4)

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.
2. 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 – eg 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.