QUARTERLY ACTIVITIES REPORT 31 December 2023 | Page 1 of 33



QUARTERLY ACTIVITIES REPORT

for the three months ended 31 December 2023 (figures are unaudited and in A\$ except where stated)

31 January 2024

December 2023 Quarter Highlights

During the quarter ending 31 December 2023 (December Quarter), Xanadu Mines Ltd (Xanadu or the Company) continued to execute its three horizon strategy making strong progress on the Kharmagtai Project (H1) Pre-Feasibility Study (PFS) and associated exploration activities (H2), funded at Kharmagtai by US\$35 million cash from the Joint Venture (JV or Khuiten JV) with Zijin Mining Group Co., Ltd. (Zijin). This progress included an important project milestone with the successful delivery of an updated Mineral Resource Estimate (MRE or Resource) for Kharmagtai totalling 1.3Bt including 3.4Mt of Cu, 8.5Moz of Au¹, representing an increase of approximately 15% contained copper and 9% contained gold metal and achieving targeted classification upgrade of >90% Indicated within the currently defined open pit volumes.

Deep discovery drilling continued to test for significant mineralisation below the existing Resource targeted using Xanadu's Exploration Model which is based on geologic analogues such as Hugo Dummett and Cadia East, with drill hole KHDDH649 returning a broad intercept of low-grade mineralisation totalling 1080m @ 0.21% CuEq from 491m below The White Hill deposit. Shallow drilling also progressed testing known porphyry clusters outside the Resource extending the system and informing infrastructure planning.

The Company also completed the first tranche of a \$4.3M equity placement² to further fund its Horizon 2 and Horizon 3 strategy, including exploration at the Red Mountain Copper-Gold Project and new exploration project acquisition. Subsequent to the quarter, the Company announced entry into a new magmatic copper-nickel project Sant Tolgoi located in Western Mongolia.

¹ ASX/TSX Announcement 8 December 2023 – Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher grade ore ² ASX/TSX Announcement 20 November 2023 - \$4.3M Placement

Kharmagtai Resource³

- Significant increase in Kharmagtai Resource to 1.3Bt containing 3.4Mt Cu and 8.5Moz Au representing a 15% . increase in contained copper metal (Cu) and 9% increase in contained gold metal (Au).
- Material 25% increase in the higher-grade core from 100Mt @ 0.76% CuEg⁴ to 125Mt @ 0.75% CuEg, at a 0.55% CuEq cut off. This is an important driver for early payback of Kharmagtai project capital.
- Since 2021 Resource update⁵, the Company has completed 162 diamond drill holes for 58,259 metres.
- 63% of the updated Resource is now classified in the higher confidence "indicated" category, demonstrating the robust nature of the deposit including >90% Indicated inside the pit shells defined in the scoping study.
- Strong exploration upside remains, with mineralisation open to the east, west, south, and at depth. .

Kharmagtai PFS

- Infill drill program completed.
- Sulphide (main orebody) metallurgical test-work advanced at ALS laboratories in Perth and TruTRC laboratories in Ulaanbaatar; results expected in Q1 CY2024.
- Oxide metallurgical test-work in progress at MPS laboratories in Perth and at Zijin Research Labs in Xiamen, China, . for assessment of leach technologies; results expected Q2 CY2024.
- Water Reserve drilling and studies progressed with completion expected in Q2 CY2024.
- Power Supply, Tailings Management, and Infrastructure studies progressing through trade-off phase; majority of work to be completed by Q1 CY2024.
- Commenced studies for System Optimisation (Whittle Consulting), Mine Design (Mining Plus) and Process Engineering (DRA Global).
- New core processing facility delivered and operational during the Quarter.
- Kharmagtai PFS including Maiden Ore Reserve on-track for Q3 CY2024.

Extensional Drilling⁶

- After the Quarter, extensional drilling at White Hill expands on recently identified higher-grade zone, located below the previous Scoping Study pit designs and outside the 2023 MRE, highlighting potential to expand the 2023 MRE and both grow and deepen the 2022 Scoping Study pit shells.
 - KHDDH808 64.45m @ 0.74% CuEq (0.61% Cu & 0.74/t Au) from 516m, including 24.45m @ 1.41% CuEq 0 (1.14% Cu & 0.53g/t Au) from 634m.
 - KHDDH806 50m @ 0.73% CuEg (0.94% Cu & 0.25g/t Au) from 545m, including 22m @ 1.34% CuEg (2.10% Cu & 0.26g/t Au) from 549.
- After the Quarter, step-out drilling at Golden Eagle returns grades higher than the 2023 MRE and extends mineralisation.
 - KHDDH801 83.4m @ 0.8g/t AuEq (0.59g/t Au and 0.11% Cu) from 36.6m, including 29m @ 1.42 g/t AuEq (1.14g/t Au and 0.14% Cu) from 57m, including 14m @ 2.18g/t AuEg (1.9g/t Au and 0.14% Cu) from 60m.

Discovery Exploration^{7,8}

- New shallow discovery drilling intersects mineralisation across three largely unexplored porphyry clusters, including high-density stockwork, breccia and gold only mineralisation.
 - KHDDH590 8m @ 1.59g/t Au from 289m, including 4m @ 3.04g.t Au from 291m at Cluster Two (Figure 1). 0
 - KHDDH622 15- @ 1.26% Cu from 127m, including 6m @ 2.97% Cu from 132m at Cluster Three (Figure 1). 0

³ ASX/TSX Announcement 8 December 2023 – Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher grade ore

⁴ ASX/TSX Announcement 28 February 2022 – Kharmagtai Technical Report ⁵ ASX/TSX Announcement 8 December 2021 – Kharmagtai Resource Grows to 1.1 Billion Tonnes, containing 3Mt Cu and 8Mozu

⁶ ASX/TSX Announcement 30 January 2024 – Kharmagtai Drilling Highlights Continued Growth Potential

⁷ ASX/TSX Announcement 5 July 2023 – Shallow Drilling Confirms Kharmagtai Discovery Potential

⁸ ASX/TSX Announcement 16 November 2023 – Multiple New Breakthrough Achievements for Kharmagtai Discovery Drilling

- Deep diamond drillholes targeting mineralisation below White Hill, the largest deposit delineated to date at Kharmagtai, expands the mineralised system by over 600m.
 - o KHDDH649 1080m @ 0.21% CuEq from 491m.
- Subsequent to the Quarter, deep drilling between Zaraa and Stockwork Hill encounters two broad zones of porphyry and tourmaline breccia style mineralisation between Stockwork Hill and Zaraa, potentially indicating the edges of a very large-scale Cu-Au System.⁹
- Shallow drilling at Cluster 2 extends mineralisation 800m along strike from the current MRE limit. Given proximity to the high-grade Stockwork Hill deposit, this extension could represent a mineralised porphyry stockwork offset.
 - KHDDH786 144m @ 0.34% CuEq from 117m, including 12m @ 0.63% CuEq from 144m, and including 12.3m
 @ 0.54% CuEq from 168m.
- Multiple new broad zones of gold-rich tourmaline breccia mineralisation delivered over a 2km strike, at Cluster 5.
- Extensive discovery drilling continues with regular news flow to continue throughout 2023, focussed on extensions to known deposits and new porphyry copper gold systems.

Corporate

- Completed first tranche of a \$4.3M equity placement.¹⁰
 - First tranche includes 62,996,490 Xanadu shares at \$0.055 per share to professional and sophisticated investors (A\$3.46M before costs).¹¹
 - Second tranche of 15,185,328 Xanadu shares at \$0.055 per share to Zijin (A\$0.84M before costs) subject to formal shareholder vote at Xanadu Extraordinary Meeting (EGM) scheduled for 6 February 2024.^{12, 13}
- After the Quarter, agreed a binding term sheet for Sant Tolgoi, a prospective, district-scale magmatic copper-nickel sulphide project, aligned to its Horizon 3 Strategy to build a portfolio of copper, gold & future facing mineral projects.¹⁴
- Kharmagtai PFS and Discovery Exploration funded by US\$35M from the Khuiten JV with Zijin Mining Group¹⁵; with US\$11.7 million in cash on 31 December 2023.
- Xanadu is well-funded, with A\$7.3 million in cash on 31 December 2023 and a continued slow burn rate as operator fees are paid by the Kharmagtai project.

Executive Chairman & Managing Director, Colin Moorhead, said: "During the December Quarter, Xanadu announced an updated Mineral Resource Estimate for our Kharmagtai Copper-Gold Project, which represents a major step for the PFS. The updated MRE meets our expectations by upgrading the resource classification of the mineralisation within previously defined pit shells to Indicated, and importantly it increased size of the higher-grade zones by 25% to 125Mt, a key factor driving Kharmagtai project economics. In parallel we effectively progressed other key aspects of the Kharmagtai PFS including metallurgy, infrastructure, tailings facility, water reserve and sterilisation drilling towards our Q3 CY2024 delivery date.

Our Kharmagtai our Horizon Two exploration program ran safely and effectively through the quarter, with positive results from both the shallow and deep exploration programs. The deep hole at White Hill demonstrates that system to extend at depth and will help our exploration team to vector towards higher grade mineralisation at depth. The shallow drilling has also extended known mineralisation laterally and also helps inform important infrastructure positioning for the PFS.

As a positive testament to our strategy and our team, Xanadu was able to raise \$4.3M in a very challenging equity market. Pleasingly, this included proportional participation by Zijin, our largest shareholder, (subject to Xanadu shareholder approval at the upcoming Extraordinary General Meeting on 6 February). This will fund our Horizon 2 and Horizon 3 strategies, focused on new discovery and the acquisition of new exploration projects in Mongolia. The

⁹ ASX/TSX Announcement 30 January 2024 – Kharmagtai Drilling Highlights Continued Growth Potential

¹⁰ ASX/TSX Announcement 20 November 2023 - \$4.3M Placement

¹¹ ASX/TSX Announcement 28 November 2023 - Notice under Section 708A(5)(e) of the Corporations Act

¹² ASX/TSX Announcement 8 December 2023 – Second Tranche Placement to Zijin

¹³ ASX/TSX Announcement 15 December 2023 - Notice of Extraordinary General Meeting / Proxy Form

¹⁴ ASX/TSX Announcement 22 January 2024 – Xanadu Enters Into New Magmatic Copper and Nickel Sulphide Project

¹⁵ ASX/TSX Announcement 29 December 2022 – Investment Deal Signed with Zijin

Company is planning to commence drilling in the Spring at our Red Mountain project and to commence some early work at Sant Tolgoi, an exciting new project recently announced subsequent to the quarter.

I look forward to updating the market about our Kharmagtai PFS and Discovery Exploration during the upcoming quarters."

Strategic Horizon 1 – Kharmagtai Copper-Gold Project

During the December Quarter, the Company continued to aggressively progress both the PFS and Discovery Exploration at Kharmagtai Copper-Gold Project, which is funded by US\$35 million from the JV with Zijin. Xanadu is operator of the joint venture during the PFS delivery period of 18 months, after which Zijin will become operator for final engineering, construction, and operations delivery.

Resource Update

An upgraded Resource was announced in December 2023, based on the infill drilling program completed in the September quarter.¹⁶ The updated Resource increases both the **tonnes (+12%)** and **contained copper equivalent (CuEq) metal (+13%)**. This includes a **+25% increase in the higher-grade component to >125Mt**, which is expected to enhance project cashflows in the early years. Importantly for an infill program, it successfully delivered an upgrade of material within the pit shells to the higher confidence "Indicated" classification, demonstrating the robust nature of the deposit.

Xanadu engaged independent consultants, Spiers Geological Consultants (SGC), to prepare the updated Kharmagtai Resource. The Resource, effective 8 December 2023, incorporates drilling results from the past 24 months (including 162 holes for 58k metres of drilling) and is reported in accordance with the JORC Code 2012. It is the first update to the Resource announced on 8 December 2021.¹⁷

	Cutoff		Toppoo		Grades			Containe	ed Metal	
Resource	Cutoff (% CuEq)	Classification	Tonnes (Mt)	CuEq (%)	Cu (%)	Au (g/t)	CuEq (Mlbs)	CuEq (kt)	Cu (kt)	Au (koz)
2023	0.20 (OC)	Indicated	790	0.38	0.27	0.22	6,700	3,000	2,100	5,600
2023	0.30 (UG)	Inferred	460	0.37	0.27	0.19	3,800	1,700	1,300	2,800
2021	0.20 (OC)	Indicated	450	0.40	0.28	0.25	4,100	1,900	1,300	3,700
2021	0.30 (UG)	Inferred	660	0.35	0.25	0.19	5,100	2,300	1,700	4,100

Table 1: Comparison 2023 vs 2021 Resource

Notes: Figures may not sum due to rounding and significant figure do not imply an added level of precision.

¹⁶ ASX/TSX Announcement 8 December 2023 – Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher grade ore

¹⁷ ASX/TSX Announcement 28 February 2022 – Kharmagtai Technical Report

The updated Resource block model will be used by Xanadu for subsequent studies within the Kharmagtai PFS, including system optimisation and economic trade-off studies in both mining and plant design.

PFS Deliverables & Schedule

The largest component of the Data Acquisition stage of the Kharmagtai PFS is completed, following infill drill program completion and recently announced new Resource. Remaining data acquisition work includes:

- Final phases of primary sulphide metallurgical test-work.
- Geometallurgical modelling to support mine and plant optimisation.
- Oxide leach testwork, converting waste from the PEA into ore.
- Water Reserve studies and drilling, which will recommence after winter.
- Waste rock and tailings geochemistry.
- Environmental and socioeconomic baseline studies.

The Trade-Off Options studies stage of the Kharmagtai PFS are now well underway to select a single go-forward option for each key areas of the mine. These include:

- Tailings Storage Facility.
- Power Supply.
- Pit Scheduling.
- Comminution Circuit.
- Flotation Circuit.
- Surface Infrastructure.

During Q1 CY2023 the emphasis of the project will shift towards studies including mine engineering and process engineering. The project remains on track for delivery of a PFS and Maiden Ore Reserve in Q3 CY2024.

Extensional Drilling

Subsequent to the quarter, assays were returned from extensional drilling¹⁸ at both White Hill and Golden Eagle.

Three drill holes were collared at White Hill, aiming to extend the recently discovered higher-grade core beneath the 2022 scoping study open pits (**Figure 1**). These intercepted the moderate grade halo (+0.3% CuEq) +350m shallower than expected and encountered two zones of higher grade (+1% CuEq) mineralisation.

Five drill holes have been collared at Golden Eagle designed to extend the new higher-grade gold zone (+1g/t Au) at Golden Eagle. These returned a broad zone of moderate grade gold with a higher-grade zone at the expected interval. Importantly, the grades encountered were higher than those in the new 2023 MRE¹⁹.

¹⁸ ASX/TSX Announcement 30 January 2024 – Kharmagtai Drilling Highlights Continued Growth Potential

¹⁹ ASX/TSX Announcement 8 December 2023 – Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher grade ore

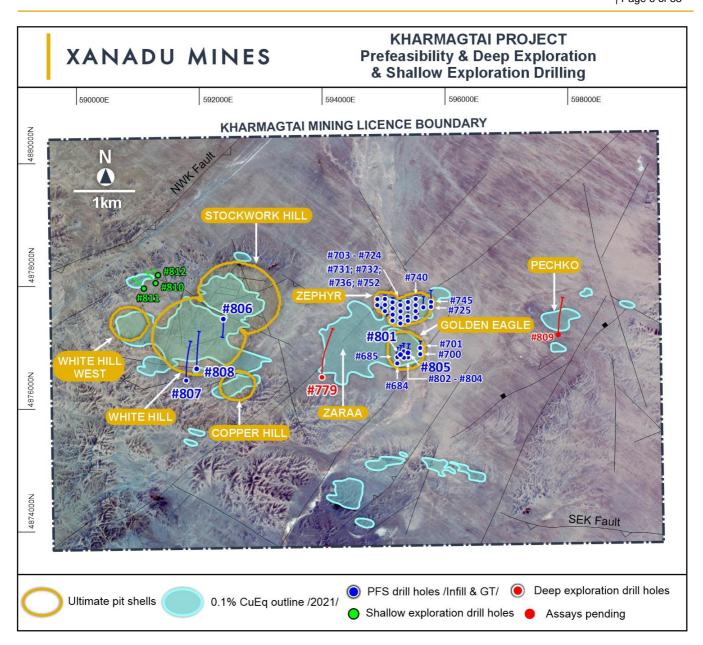


Figure 1: Kharmagtai copper-gold district showing defined mineral deposits and completed infill drill holes, deep exploration drill holes, and shallow exploration drill holes since the last announcement of drilling results²⁰.

²⁰ ASX/TSX Announcement 16 November 2023 – Kharmagtai Drilling Achievements Update

Strategic Horizon 2 – World Class Discovery

Shallow Discovery Exploration at Kharmagtai

Shallow exploration drilling at Kharmagtai targeted additional porphyry copper-gold deposits outside the currently defined MRE. This programme also serves to inform future infrastructure location decisions associated with the potential development of the Kharmagtai Project into a large-scale mining operation.

Through the December quarter, a total of 9,000m diamond drilling in forty-one shallow (200m) diamond drill holes was completed²¹ (**Figure 2**) since the last update to the shallow drilling program.²² Important outcomes for which follow-up drilling is being planned include:

- Identified a broad zone of porphyry mineralisation above the Resource cut-off grade, including a cohesive zone greater than 0.6% CuEq mineralisation. This may represent a faulted offset to Stockwork Hill.
- Encountered mineralised structures at Cluster Three near surface containing up to 1.3% Cu.
- Defined a 2km long zone of gold-rich tourmaline breccia at Cluster Five.
- Encountered broad zones of peripheral porphyry and tourmaline breccia mineralisation approximately 1km along strike from the Stockwork Hill Tourmaline Breccia.
- Encountered a broad zone of shallow, low-grade porphyry mineralisation approximately 1.5km southwest of Golden Eagle where there is little drilling to date, suggesting the presence of a large-scale porphyry in this area.

²¹ ASX/TSX Announcement 16 November 2023 – Multiple New Breakthrough Achievements for Kharmagtai Discovery Drilling

²² ASX/TSX Announcement 5 July 2023 - Shallow Drilling Confirms Kharmagtai Discovery Potential

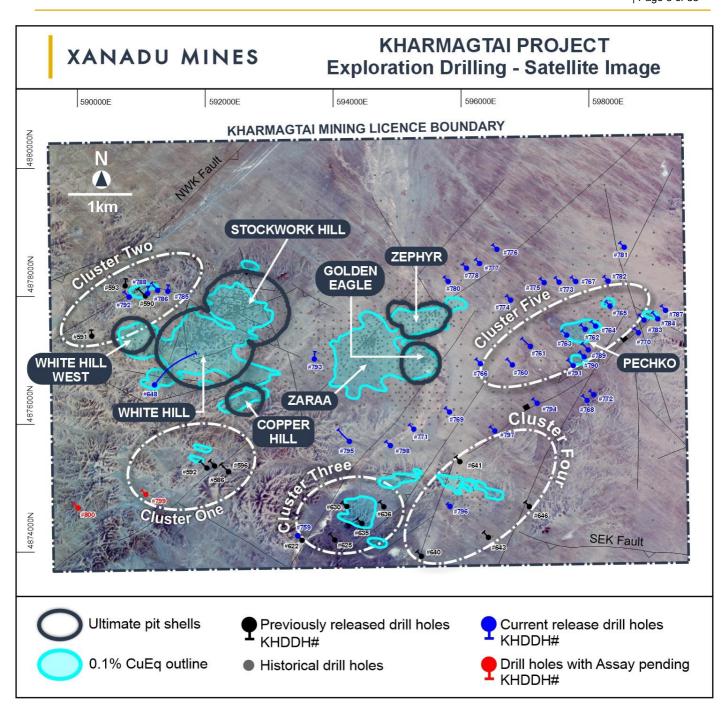


Figure 2: Kharmagtai copper-gold district showing currently defined mineral deposits and planned and completed shallow exploration drill holes. Grey outlines are 2021 scoping study open pit designs and white dashed outlines define porphyry cluster target areas.

Deep Discovery Exploration at Kharmagtai

Existing geochemical, geological, and geophysical datasets point to known mineralisation at Kharmagtai as a shallow surface expression of a much larger porphyry system at depth (**Figure 3**). Deep drill holes have been designed to ensure that a potential high-grade, large-scale and deeper "Oyu Tolgoi" style deposit is discovered early in the PFS process, allowing optimal infrastructure decisions to be made, without sterilising what could be the major value driver at Kharmagtai (**Figure 4**).

Drilling in the December Quarter was designed to test for a large-scale high-grade extension beneath White Hill. KHDDH648 intercepted a very large (+1km) zone of porphyry mineralisation, expanding the White Hill mineralised system more than 600m down dip.²³ This hole has provided the vectors required to target higher-grade mineralisation at depth. 3D geological modelling is underway to refine these vectors for further high priority drilling.

Subsequent to the Quarter, assays were returned for a single deep diamond drill hole was collared between Zaraa and Stockwork Hill, designed to test for a large-scale porphyry deposit. KHDDH779 encountered two broad zones of porphyry and tourmaline breccia style mineralisation between Stockwork Hill and Zaraa. This hole appears to have encountered the edges of a very large-scale Cu-Au System.

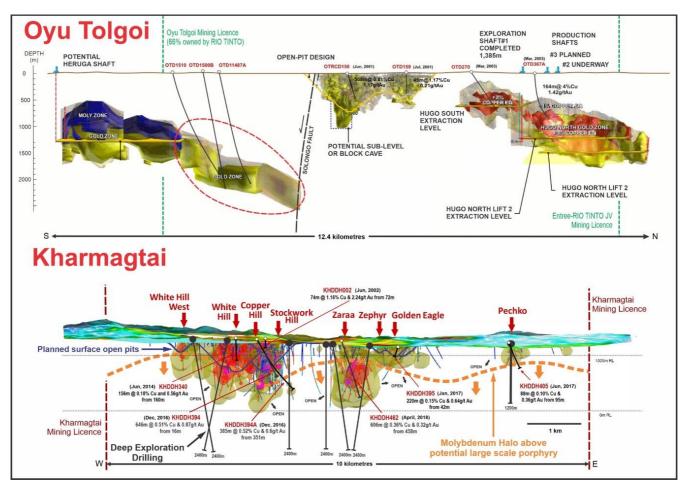


Figure 3: Long Sections through the Oyu Tolgoi Porphyry System and The Kharmagtai Porphyry System. Deep high-grade exploration drill program geochemical zonation points to much larger system beneath Kharmagtai.

²³ ASX/TSX Announcement 16 November 2023 – Multiple New Breakthrough Achievements for Kharmagtai Discovery Drilling

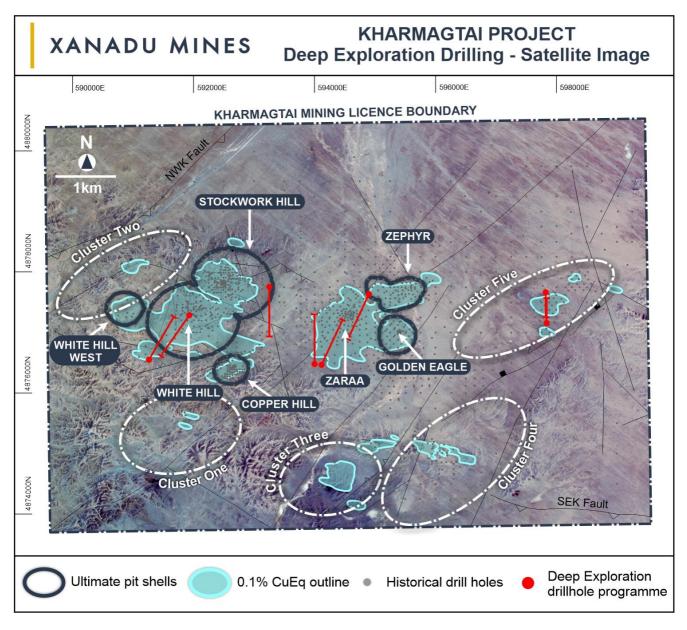


Figure 4: Kharmagtai copper-gold district showing currently defined mineral deposits and planned deep exploration holes.

Red Mountain Exploration

No exploration activity was undertaken at Xanadu's Red Mountain copper-gold project during the December 20023 Quarter. A key purpose of the December 2023 equity placement²⁴ was to provide funds to re-commence this exploration in 2024. The 2024 Red Mountain exploration program will leverage significant targeting information generated from drilling, trenching and BoxScan in prior years and will be subject of a separate announcement.

²⁴ ASX/TSX Announcement 20 November 2023 - \$4.3 million Placement

Strategic Horizon 3 – Portfolio Growth

Subsequent to the Quarter, Xanadu announced a binding term sheet with STSM LLC (**STSM**) granting the right to earn up to 80% interest in two exploration licences XV-17774 (**Oyut**) and XV-21887 (**Sant Tolgoi**) located in the Zavkhan Province of Western Mongolia (**Figure 5**)²⁵. These two licenses make up the Sant Tolgoi Project, which is considered highly prospective for discovery of new magmatic intrusion-related Copper-Nickel sulphide systems.

The Sant Tolgoi project hosts multiple shallow copper-nickel targets over several kilometres of strike and is well aligned to Xanadu's Horizon 3 Strategy to build a portfolio future facing metals projects. Detailed mapping, geochemistry and geophysics is planned to start in March 2024.

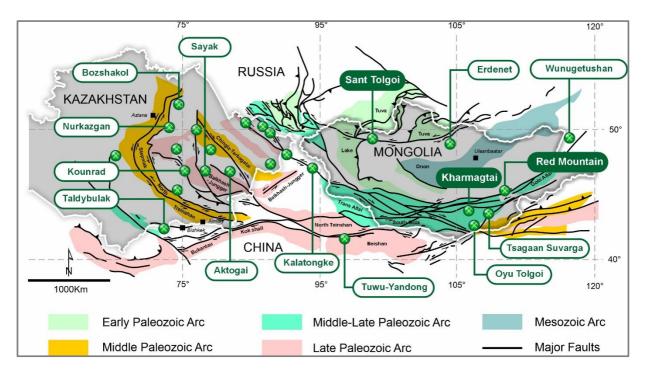


Figure 5: Sant Tolgoi Cu-Ni project is located in the Zavkhan Province approximately 1,100 km west of Ulaanbaatar, Mongolia. Project to located close to established infrastructure.

²⁵ ASX/TSX Announcement 22 January 2024 – Xanadu Enters Into New Magmatic Copper and Nickel Sulphide Project

ASX Announcements

This December 2023 Quarterly Activities Report contains information reported in accordance with the 2012 Edition of the *Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves* (**JORC Code, 2012**) in the following announcements.

- 8 December 2021 Kharmagtai Resource Grows to 1.1 Billion Tonnes, containing 3Mt Cu and 8Mozu
- 28 February 2022 Kharmagtai Technical Report
- 29 December 2022 Investment Deal Signed with Zijin
- 5 July 2023 Shallow Drilling Confirms Kharmagtai Discovery Potential
- 4 October 2023 High Grade Core Shaping Up at White Hill
- 26 October 2023 New Gold Zone Discovered at Golden Eagle
- 16 November 2023 Multiple New Breakthrough Achievements for Kharmagtai Discovery Drilling
- 20 November 2023 \$4.3M Placement
- 28 November 2023 Notice under Section 708A(5)(e) of the Corporations Act
- 8 December 2023 Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher grade ore
- 8 December 2023 Second Tranche Placement to Zijin
- 15 December 2023 Notice of Extraordinary General Meeting / Proxy Form
- 22 January 2024 Xanadu Enters Into New Magmatic Copper and Nickel Sulphide Project
- 30 January 2024 Kharmagtai Drilling Highlights Continued Growth Potential

March 2024 Quarter Planned Activities

Key activities planned during the quarter ending 31 March 2023 (March Quarter) include:

- Strategic Horizon 1 Kharmagtai PFS
 - o Follow-up drilling for Kharmagtai PFS primarily focused on sterilisation and geotechnical.
 - o Water reserve geophysics, modelling and drilling.
 - o System Optimisation Trade-Off Studies for Process Plant, Mine Design & Scheduling
 - o Convergent Power Studies
 - o Infrastructure and Tailings Storage Facility design work
 - o Completion of sulphide metallurgical testing
 - Initial findings from oxide leach tests
- Strategic Horizon 2 Discovery
 - Kharmagtai Shallow and Deep Discovery Exploration drilling programmes.
 - o Commence a Red Mountain exploration plan.
- Strategic Horizon 3 Portfolio Expansion
 - o Continue evaluating new battery metals project opportunities in Mongolia.

Т

Results of Operations

	50% Owners	hip of Khuiter	n Metals Pte Lt	d 1	100% Ownership
			Quarter Ended	I	1
-	31 Dec	30 Sep	30 Jun	31 Mar	31 Dec
	2023	2023	2023	2023	2022
	\$'000	\$'000	\$'000	\$'000	\$'000
JV: Gross Exploration Expenditure ^a					
Kharmagtai	7,334	10,515	8,360	1,850	402
Drill metres ^{b,c}	13,053	29,388	28,032	6,111	-
Gross Exploration Expenditure					
Red Mountain	54	90	32	29	261
Drill metres ^{b,c}	-	-	-	-	-
Exploration expenditures capitalised	54 ^d	90 d	32 d	29 ^d	663
Corporate general and administration	1,437	1,365	2,712 ^e	1,267	1,095
Less JV Operator Overhead recovery	<u>(891) f</u>	<u>(970) f</u>	<u>(1,001) ^f</u>	<u> </u>	1
Net Corporate general and administration	546	395	1,712	1,267	1

a. The Company issued new shares in its subsidiary Khuiten Metals Pte Ltd (Khuiten) on 10 March 2023 as part of the Zijin Strategic Partnership for consideration of US\$35M. This transaction reduces the Company's shareholding from 100% to 50% in Khuiten, and in effect loss of majority control. All quarterly results for 2023 above are presented on the basis of the treatment of the investment of Khuiten as a 50% JV under the equity accounting method (i.e., the Khuiten operational results are not included on consolidation). The prior period quarters have not been restated.

b. Reflects invoiced metres paid during the quarter under drilling contract. Physical metres drilled during the quarter may vary due to invoice timing.

c. Excludes horizontal trenching metres.

d. Excludes Kharmagtai JV Gross exploration expenditure no longer consolidated in the Company's results.

e. Includes success fee of AUD\$753k paid to Jefferies in April 2023 following completion of Khuiten JV with Zijin.

f. As operator of Khuiten JV, the operator overheads are recoverable in accordance with the Shareholders Joint Venture Agreement.

Financial

Capital Structure

On 31 December 2023, the Company had 1,700,820,681 fully paid ordinary shares and 121,860,000 options over ordinary shares on issue, and approximately A\$7.3 million in cash. This total of ordinary shares excludes the Tranche 2 placement to Zijin which remains subject to shareholder approval at the EGM scheduled on 6 February 2024 (see below). The Khuiten JV, which controls the Kharmagtai project, had US\$11.7 million in cash available to progress the Kharmagtai PFS and exploration.

Equity Placement

Xanadu announced an A\$4.3 million equity placement (before costs) on 20 November 2023 to provide funding for its strategic Horizons 2 and 3, as well as working capital.²⁶ This was well supported by both domestic and international institutions and included proportionate participation by Zijin, Xanadu's largest shareholder. The placement was offered

²⁶ ASX/TSX Announcement 20 November 2023 - \$4.3 million Placement

across two tranches to eligible and sophisticated investors, comprising 78,181,818 fully paid ordinary shares in Xanadu at an issue price of \$0.055 each:

- First tranche, being the issue of 62,996,490 New Shares to raise A\$3.36 million, is unconditional and was issued pursuant to the Company's existing placement capacity under ASX Listing Rule 7.1.
- Second tranche, being the proposed subscription of 15,185,328 New Shares by Xanadu's major shareholder Zijin for A\$0.84 million, is subject to formal documentation and approval by Australia Foreign Investment Review Board (FIRB) and Xanadu shareholder approval.

Bell Potter Securities Limited acted as Lead Manager and Ord Minnett acted as Co-Manager to the Placement.

An EGM is scheduled on 6 February 2024 to seek the necessary Xanadu shareholder approvals.²⁷

²⁷ASX/TSX Announcement 15 December 2023 – Notice of Extraordinary General Meeting / Proxy Form

About Xanadu Mines

Xanadu is an ASX and TSX listed Exploration company operating in Mongolia. We give investors exposure to globally significant, large-scale copper-gold discoveries and low-cost inventory growth. Xanadu maintains a portfolio of exploration projects and remains one of the few junior explorers on the ASX or TSX who jointly control a globally significant copper-gold deposit in our flagship Kharmagtai project.

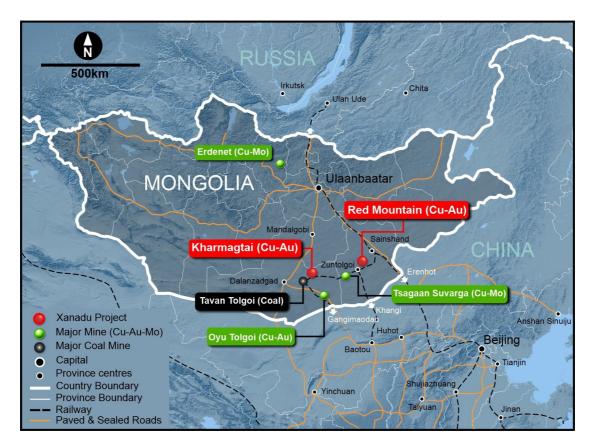


Figure 4: Location of Xanadu Projects in the South Gobi region of Mongolia

For further information on Xanadu, please visit: www.xanadumines.com or contact:

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This Announcement was authorised for release by Xanadu's Board of Directors.

APPENDIX 1: TABLES

For original announcements please refer to the following:

- 4 October 2023 High Grade Core Shaping Up at White Hill
- 26 October 2023 New Gold Zone Discovered at Golden Eagle
- 16 November 2023 Multiple New Breakthrough Achievements for Kharmagtai Discovery Drilling

Table 1. Drill hole details from the quarter (KH prefix = Kharmagtai, OU prefix = Red Mountain, *excludes drill holes completed in the prior quarter*).

Hole ID	Prospect		North	RL	Azimuth (°)		Depth (m)
KHDDH684	Golden Eagle	595224	4876746	1270	359	-60	341.0
KHDDH685	Golden Eagle	595226	4876847	1269	360	-60	325.0
KHDDH700	Golden Eagle	595598	4876901	1269	0	-60	267.0
KHDDH701	Golden Eagle	595597	4877002	1268	0	-60	220.0
KHDDH718	Zephyr	595397	4877445	1267	0	-60	360.5
KHDDH721	Zephyr	595523	4877497	1266	0	-60	405.5
KHDDH723	Zephyr	595649	4877663	1266	0	-60	369.5
KHDDH736	Zephyr	595524	4877596	1265	0	-60	314.0
KHDDH745	Zephyr	595774	4877744	1270	0	-60	385.0
KHDDH779	Exploration	593999	4876523	1285	0	-70	2132.7
KHDDH794	Exploration	597193	4876330	1275	0	-60	200.0
KHDDH795	Exploration	594260	4875729	1285	315	-60	498.4
KHDDH796	Exploration	595818	4874725	1292	315	-60	93.0
KHDDH797	Exploration	596531	4875896	1282	315	-60	200.0
KHDDH798	Exploration	594900	4875664	1278	315	-60	200.0
KHDDH799	Exploration	591077	4874898	1326	315	-60	200.0
KHDDH800	Exploration	590011	4874691	1347	315	-60	201.0
KHDDH801	Golden Eagle	595277	4876894	1269	0	-60	288.5
KHDDH802	Golden Eagle	595332	4876839	1270	0	-60	285.5
KHDDH803	Golden Eagle	595401	4876841	1269	0	-60	291.0
KHDDH804	Golden Eagle	595328	4876942	1269	0	-60	279.5
KHDDH805	Golden Eagle	595399	4876919	1269	0	-60	279.6
KHDDH806	White Hill	592393	4877472	1293	180	-70	848.3
KHDDH807	White Hill	591788	4876469	1317	0	-60	1212.7
KHDDH808	White Hill	591959	4876661	1310	0	-60	1188.6
KHDDH809	Pechko	597845	4877219	1265	0	-70	1200.0
KHDDH810	Altan Shand	591291	4878056	1296	318	-60	444.6
KHDDH811	White Hill	591099	4877967	1296	315	-60	450.8
KHDDH812	White Hill	591328	4878186	1291	318	-60	230.0

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
KHDDH684	Golden Eagle	49	248	199	0.15	0.09	0.17	0.34
including		186	220	34	0.33	0.17	0.34	0.67
and		282.5	341	58.5	0.09	0.16	0.20	0.39
KHDDH685	Golden Eagle	34	325	291	0.22	0.14	0.25	0.49
including		70	74	4	1.26	0.14	0.78	1.53
including		124	133.6	9.6	0.18	0.16	0.25	0.50
including		144.95	240	95.05	0.35	0.16	0.34	0.66
KHDDH686	Golden Eagle	38	267.6	229.6	0.25	0.13	0.25	0.50
including		50	66	16	0.60	0.11	0.42	0.82
including		94	102	8	0.41	0.15	0.36	0.71
including		122	148	26	0.33	0.17	0.34	0.66
including		176	202	26	0.40	0.14	0.35	0.69
KHDDH687	Golden Eagle	37	73	36	0.12	0.11	0.17	0.33
KHDDH688	Golden Eagle	36	144	108	0.33	0.11	0.28	0.54
including		100	142	42	0.53	0.15	0.42	0.82
including		122	132.9	10.9	0.72	0.25	0.61	1.20
and		156	216	60	0.16	0.05	0.14	0.27
KHDDH689	Golden Eagle	35.26	300	264.74	0.20	0.13	0.23	0.45
including		55	65	10	0.38	0.12	0.32	0.62
including		131	139	8	0.39	0.17	0.37	0.73
including		181	185	4	0.36	0.18	0.36	0.71
including		234	252	18	0.34	0.19	0.37	0.72
KHDDH690	Golden Eagle	43	200	157	0.28	0.12	0.27	0.52
including		53	93	40	0.31	0.14	0.30	0.58
including		103	136	33	0.38	0.16	0.35	0.69
KHDDH691	Golden Eagle	37.7	243	205.3	0.44	0.14	0.36	0.71
including		48.3	80	31.7	0.49	0.12	0.37	0.73
including		96	127	31	1.21	0.24	0.86	1.68
including		96	175	79	0.71	0.20	0.56	1.09
including		100	104	4	2.58	0.52	1.84	3.60
including		119	125	6	2.58	0.49	1.81	3.55
including		185	189	4	0.32	0.14	0.31	0.60
including		221	231	10	0.34	0.12	0.30	0.58
and		277	289	12	0.05	0.06	0.08	0.16
KHDDH692	Golden Eagle	36	121	85	0.21	0.10	0.21	0.41
including		80	107.1	27.1	0.35	0.15	0.32	0.63
KHDDH693	Golden Eagle	36	175	139	0.20	0.11	0.21	0.41
including		161	173	12	0.24	0.17	0.30	0.58
KHDDH694	Golden Eagle	45	68	23	0.09	0.06	0.10	0.20
and		86	124	38	0.12	0.05	0.11	0.21

Table 2. Significant drill results from the quarter (KH prefix = Kharmagtai, OU prefix = Red Mountain)

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 18 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
KHDDH695	Golden Eagle	39	228.6	189.6	0.30	0.12	0.28	0.54
including		43	63	20	0.49	0.11	0.36	0.71
including		125	153	28	0.34	0.15	0.32	0.62
including		163	215	52	0.37	0.15	0.34	0.67
KHDDH696	Golden Eagle	41.9	192.5	150.6	0.23	0.10	0.21	0.42
including		48	76	28	0.49	0.15	0.39	0.77
including		86	90	4	0.37	0.13	0.32	0.62
including		144	148	4	0.50	0.17	0.43	0.84
including		174	178	4	0.52	0.13	0.40	0.78
KHDDH697	Golden Eagle	38.7	116	77.3	0.18	0.09	0.18	0.36
including		40	70	30	0.30	0.13	0.29	0.56
KHDDH698	Golden Eagle	31	243	212	0.32	0.13	0.29	0.57
including		35	43	8	0.53	0.08	0.35	0.68
including		67	90.75	23.75	0.44	0.18	0.40	0.79
including		117	154	37	0.48	0.17	0.42	0.82
including		176	188	12	0.32	0.19	0.35	0.68
including		198	222	24	0.32	0.17	0.34	0.66
and		253	275	22	0.14	0.14	0.21	0.41
KHDDH699	Golden Eagle	36	50	14	0.21	0.04	0.14	0.28
KHDDH700	Golden Eagle	43.5	196	152.5	0.22	0.09	0.20	0.39
including		96	106	10	0.35	0.14	0.32	0.63
including		168	182	14	0.59	0.15	0.46	0.89
including		172	176	4	1.10	0.24	0.80	1.56
KHDDH701	Golden Eagle	40.25	123	82.75	0.16	0.09	0.18	0.34
including		42	46	4	0.46	0.16	0.39	0.76
KHDDH702	Golden Eagle	41.2	201	159.8	0.25	0.12	0.25	0.48
including		45	69	24	0.47	0.13	0.37	0.73
including		129	145	16	0.30	0.14	0.29	0.58
and		213	219	6	0.10	0.02	0.07	0.14
KHDDH703	Zephyr	14.75	18.8	4.05	0.33	0.00	0.17	0.34
KHDDH704	Zephyr			No	significant inte	ercepts		
KHDDH705	Zephyr	14	42	28	0.28	0.03	0.18	0.35
and		58	64	6	0.40	0.05	0.25	0.50
and		78	86	8	0.11	0.02	0.08	0.15
KHDDH706	Zephyr			No	significant inte	ercepts		
KHDDH707	Zephyr	23.9	74	50.1	0.19	0.04	0.14	0.27
including		48	64	16	0.47	0.04	0.28	0.55
KHDDH708	Zephyr	40.3	157	116.7	0.18	0.09	0.18	0.35
including		52	58	6	0.49	0.09	0.34	0.66
and		171	187.1	16.1	0.26	0.04	0.17	0.33
and		223	227.2	4.2	0.50	0.03	0.29	0.56
KHDDH709	Zephyr	16	20	4	0.22	0.00	0.12	0.23

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 19 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
and		51	58	7	0.20	0.03	0.14	0.27
KHDDH710	Zephyr			No	significant inte	ercepts		
KHDDH711	Zephyr	32	100	68	0.09	0.10	0.15	0.29
KHDDH712	Zephyr	19	28	9	0.14	0.02	0.09	0.17
and		41.9	57.6	15.7	0.42	0.02	0.24	0.46
and		121	132	11	0.05	0.05	0.07	0.14
KHDDH713	Zephyr	18.5	56	37.5	0.25	0.08	0.20	0.40
including		40	48	8	0.74	0.16	0.54	1.06
and		76	107.2	31.2	0.14	0.06	0.13	0.26
and		129	140.7	11.7	0.14	0.06	0.13	0.26
and		152	189.4	37.4	0.17	0.07	0.15	0.30
KHDDH714	Zephyr	30	38	8	0.19	0.02	0.12	0.23
and		48	52	4	0.31	0.03	0.18	0.35
and		113	121	8	0.27	0.01	0.15	0.29
and		135	142	7	0.22	0.01	0.12	0.24
KHDDH715	Zephyr			No	significant inte	ercepts		
KHDDH716	Zephyr	15.9	75	59.1	0.09	0.10	0.14	0.28
KHDDH717	Zephyr	16.2	235	218.8	0.20	0.13	0.23	0.45
including		47	73	26	0.46	0.24	0.47	0.93
including		138	144	6	0.27	0.17	0.31	0.60
including		205	223	18	0.21	0.22	0.33	0.64
KHDDH718	Zephyr	49	67	18	0.25	0.04	0.16	0.32
and		149	153	4	0.19	0.05	0.14	0.28
and		171	356	185	0.21	0.12	0.22	0.44
including		211	215	4	0.42	0.17	0.38	0.75
including		265	276	11	0.86	0.16	0.60	1.17
including		269.5	276	6.5	1.29	0.15	0.81	1.59
including		304	338	34	0.33	0.20	0.37	0.72
KHDDH719	Zephyr	45	49	4	0.19	0.04	0.14	0.27
and		91	160	69	0.13	0.07	0.13	0.26
KHDDH720	Zephyr	38	62	24	0.16	0.09	0.17	0.33
KHDDH721	Zephyr	104	120	16	0.16	0.05	0.13	0.25
and		139.5	336.9	197.4	0.13	0.16	0.23	0.45
including		166	172	6	0.10	0.30	0.35	0.68
including		193	221	28	0.15	0.26	0.34	0.66
including		273	311	38	0.19	0.21	0.31	0.60
including		327	336	9	0.24	0.17	0.29	0.57
and		347	395	48	0.11	0.14	0.19	0.38
including		369	389	20	0.11	0.21	0.27	0.52
KHDDH722	Zephyr	23.2	144	120.8	0.26	0.18	0.32	0.62
including		23.2	87	63.8	0.44	0.25	0.47	0.93
including		25	45	20	0.89	0.25	0.70	1.37

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 20 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
including		65	76.8	11.8	0.36	0.42	0.60	1.18
KHDDH723	Zephyr	43	246	203	0.18	0.16	0.25	0.50
including		83	103	20	0.13	0.33	0.39	0.77
including		121	129	8	0.14	0.22	0.29	0.57
including		141	149	8	0.31	0.30	0.45	0.89
including		163	189	26	0.23	0.18	0.30	0.59
including		199	219	20	0.55	0.16	0.44	0.85
including		201	211	10	0.89	0.16	0.62	1.21
including		232.7	242.3	9.6	0.23	0.09	0.20	0.40
and		268	272	4	0.10	0.07	0.12	0.24
and		312	316	4	0.16	0.05	0.13	0.25
KHDDH724	Zephyr	13.6	118.5	104.9	0.21	0.16	0.27	0.52
including		13.6	66	52.4	0.35	0.19	0.36	0.71
including		26	38	12	0.31	0.34	0.50	0.97
and		165	188	23	0.22	0.05	0.16	0.32
KHDDH725	Zephyr			No	significant inte	ercepts		
KHDDH731	Zephyr	59	65	6	0.22	0.03	0.14	0.28
and		89	101	12	0.22	0.03	0.14	0.27
KHDDH732	Zephyr	21.6	62	40.4	0.10	0.12	0.17	0.34
and		74	200	126	0.13	0.22	0.29	0.57
including		74	88	14	0.23	0.20	0.32	0.63
including		98	108.2	10.2	0.23	0.25	0.37	0.72
including		119.4	171	51.6	0.12	0.29	0.35	0.69
KHDDH736	Zephyr	48	54	6	0.07	0.08	0.12	0.23
and		68	264	196	0.25	0.12	0.25	0.48
including		128	163.8	35.8	0.33	0.17	0.34	0.67
including		184.2	211	26.8	1.00	0.16	0.68	1.32
including		184.2	188.9	4.7	1.23	0.37	1.00	1.96
including		200	209	9	1.77	0.17	1.07	2.10
KHDDH740	Zephyr	31.2	59	27.8	0.04	0.10	0.12	0.23
KHDDH745	Zephyr	38.8	104.9	66.1	0.10	0.21	0.26	0.51
including		60	80	20	0.13	0.27	0.33	0.65
and		171	179.2	8.2	0.16	0.06	0.15	0.29
and		242	256	14	0.25	0.03	0.16	0.31
including		242	252	10	0.32	0.03	0.20	0.38
and		270	351	81	0.14	0.09	0.17	0.33
including		270	277.3	7.3	0.53	0.07	0.34	0.66
including		293	299	6	0.22	0.21	0.32	0.62
KHDDH752	Zephyr	27.5	40	12.5	0.08	0.03	0.07	0.15
and		111.1	118	6.9	0.07	0.07	0.10	0.20
and		142	210	68	0.08	0.19	0.23	0.45
including		156	160	4	0.29	0.24	0.39	0.76

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 21 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
including		202	208	6	0.08	0.28	0.32	0.62
KHDDH761	Exploration	39.5	141	101.5	0.19	0.06	0.16	0.30
including		80	88	8	0.32	0.08	0.24	0.47
including		98	106	8	0.61	0.07	0.38	0.74
and		151	161	10	0.12	0.06	0.12	0.24
and		175	225	50	0.11	0.09	0.14	0.28
and		235	239	4	0.17	0.20	0.29	0.56
and		261	267.5	6.5	0.37	0.16	0.35	0.69
and		277	293.85	16.85	0.23	0.10	0.22	0.43
and		316	337.5	21.5	0.22	0.07	0.18	0.35
including		324	334	10	0.28	0.09	0.24	0.46
KHDDH762	Exploration	43	96.3	53.3	0.21	0.07	0.17	0.34
and		113.1	178.2	65.1	0.28	0.06	0.20	0.39
including		129	145	16	0.44	0.07	0.30	0.58
KHDDH763	Exploration	173	179	6	0.21	0.01	0.12	0.23
KHDDH764	Exploration	56.9	67	10.1	0.27	0.11	0.25	0.48
including		56.9	63	6.1	0.35	0.14	0.32	0.63
and		129	139	10	0.50	0.06	0.31	0.61
including		135	139	4	0.80	0.07	0.48	0.93
and		149.25	194	44.75	0.21	0.09	0.20	0.39
including		169	177	8	0.53	0.21	0.48	0.94
KHDDH765	Exploration	144	150.5	6.5	0.29	0.12	0.27	0.52
KHDDH766	Exploration			No	significant inte	ercepts		
KHDDH767	Exploration			No	significant inte	ercepts		
KHDDH768	Exploration			No	significant inte	ercepts		
KHDDH769	Exploration			No	significant inte	ercepts		
KHDDH770	Exploration	42	48	6	0.31	0.03	0.19	0.38
and		70	84	14	0.03	0.12	0.14	0.27
and		94	148	54	0.06	0.10	0.13	0.25
and		181	194	13	0.07	0.05	0.08	0.16
KHDDH771	Exploration	39	65.5	26.5	0.30	0.04	0.19	0.38
and		76	86.9	10.9	0.18	0.06	0.15	0.29
and		108	123.4	15.4	0.13	0.12	0.18	0.35
KHDDH772	Exploration	41.3	51	9.7	0.19	0.05	0.15	0.29
KHDDH773	Exploration			No	significant inte	ercepts		
KHDDH774	Exploration	92.2	107	14.8	0.44	0.01	0.23	0.46
KHDDH775	Exploration			No	significant inte	ercepts		
KHDDH776	Exploration			No	significant inte	ercepts		
KHDDH777	Exploration				significant inte			
KHDDH778	Exploration			No	significant inte	ercepts		
KHDDH779	Exploration	66	78	12	0.13	0.08	0.14	0.28
and		320	326	6	0.35	0.13	0.31	0.60

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 22 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
and		499	505	6	0.01	0.11	0.11	0.22
and		557	577	20	0.09	0.12	0.16	0.32
and		587	595	8	0.02	0.11	0.12	0.23
and		611	621	10	0.02	0.08	0.09	0.18
and		661	673	12	0.04	0.08	0.11	0.21
and		782	788	6	0.06	0.07	0.10	0.19
and		810	820	10	0.05	0.07	0.10	0.19
and		874	1118	244	0.03	0.13	0.15	0.29
including		980	984	4	0.09	0.28	0.33	0.64
including		1087	1098	11	0.05	0.19	0.22	0.42
and		1132	1430	298	0.07	0.13	0.17	0.33
including		1253.65	1263	9.35	0.06	0.23	0.26	0.51
including		1362	1367	5	1.11	0.32	0.89	1.73
and		1442	1486	44	0.06	0.08	0.11	0.22
and		1496	1517	21	0.01	0.09	0.10	0.19
and		1577	1585	8	0.16	0.15	0.23	0.44
and		1649	1658	9	0.02	0.04	0.05	0.10
and		1724	1730	6	0.03	0.15	0.17	0.33
and		1756	1831	75	0.07	0.08	0.11	0.22
and		1885	1930.8	45.8	0.05	0.10	0.13	0.25
including		1925	1930.8	5.8	0.08	0.24	0.28	0.55
and		1940	2050	110	0.08	0.18	0.22	0.44
including		1996	2014.4	18.4	0.13	0.37	0.44	0.85
including		2036	2050	14	0.16	0.22	0.30	0.59
and		2068	2078.1	10.1	0.04	0.09	0.11	0.22
KHDDH780	Exploration			No	significant inte	ercepts		
KHDDH781	Exploration				significant inte			
KHDDH782	Exploration			No	significant inte	ercepts		
KHDDH783	Exploration	29	68	39	0.06	0.08	0.11	0.22
and	-	88	144	56	0.08	0.15	0.19	0.37
including		106	110	4	0.20	0.44	0.54	1.05
and		194	211	17	0.06	0.08	0.11	0.22
KHDDH784	Exploration	224	228	4	0.19	0.09	0.18	0.36
and		274	279.6	5.6	0.12	0.08	0.14	0.27
KHDDH785	Exploration				significant inte			
KHDDH786	Exploration	41	45	4	0.64	0.01	0.34	0.66
and		79	87	8	0.24	0.00	0.13	0.25
and		117	261	144	0.18	0.25	0.34	0.67
including		127	225	98	0.22	0.30	0.41	0.81
including		144	156	12	0.31	0.47	0.63	1.23
including		168	180.3	12.3	0.28	0.40	0.54	1.05
KHDDH787	Exploration	22	38	16	0.14	0.12	0.19	0.37

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 23 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
including		32	38	6	0.27	0.26	0.40	0.78
and		56	70	14	0.10	0.13	0.18	0.35
and		86	95	9	0.05	0.12	0.14	0.28
and		128	138	10	0.12	0.06	0.13	0.25
and		188	199	11	0.07	0.07	0.11	0.21
KHDDH788	Exploration	141	145	4	0.18	0.03	0.12	0.23
KHDDH789	Exploration	80	85	5	0.18	0.05	0.14	0.27
and		271	275	4	0.18	0.05	0.14	0.27
KHDDH790	Exploration	112	134	22	0.06	0.04	0.07	0.13
KHDDH791	Exploration	132	136	4	0.03	0.11	0.13	0.25
and		146	152	6	0.12	0.09	0.15	0.29
KHDDH792	Exploration	24	30	6	0.03	0.14	0.15	0.30
and		123	130.9	7.9	0.04	0.07	0.09	0.18
and		172	184	12	0.05	0.07	0.10	0.19
and		204	214	10	0.07	0.07	0.11	0.22
KHDDH793	Exploration	51	63	12	0.05	0.07	0.10	0.19
and		106	126	20	0.15	0.25	0.33	0.64
including		110	124	14	0.13	0.32	0.39	0.76
and		138	158	20	0.10	0.08	0.13	0.26
KHDDH794	Exploration			No	significant inte	ercepts		
KHDDH795	Exploration	68	94	26	0.03	0.07	0.09	0.17
and		141	151	10	0.11	0.11	0.17	0.33
and		194.1	294	99.9	0.22	0.08	0.19	0.37
including		262	279.5	17.5	0.32	0.11	0.27	0.54
and		308	330	22	0.13	0.06	0.13	0.25
and		340	435	95	0.17	0.07	0.16	0.31
including		382	388	6	0.35	0.17	0.35	0.68
including		404.5	410.8	6.3	0.14	0.10	0.18	0.34
and		491	495	4	0.17	0.06	0.15	0.30
KHDDH796	Exploration			No	significant inte	ercepts		
KHDDH797	Exploration	161	165	4	0.48	0.02	0.26	0.51
KHDDH798	Exploration	14	28	14	0.09	0.09	0.13	0.26
and		134	154	20	0.04	0.13	0.15	0.29
KHDDH799	Exploration			No	significant inte	ercepts		
KHDDH800	Exploration			No	significant inte	ercepts		
KHDDH801	Golden Eagle	36.6	120	83.4	0.59	0.11	0.41	0.80
including		57	86	29	1.14	0.14	0.73	1.42
including		60	74	14	1.90	0.14	1.11	2.18
including		106	114.2	8.2	0.46	0.12	0.35	0.69
and		140	288.5	148.5	0.29	0.12	0.26	0.51
including		201	209	8	0.33	0.15	0.32	0.62
including		244	264	20	0.72	0.18	0.55	1.07

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 24 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
KHDDH802	Golden Eagle	35.5	285.5	250	0.37	0.12	0.31	0.60
including		84	180	96	0.55	0.14	0.41	0.81
including		206	212	6	0.41	0.11	0.32	0.63
including		232	252	20	0.39	0.15	0.35	0.68
KHDDH803	Golden Eagle	36.8	244	207.2	0.20	0.11	0.21	0.42
including		88	98	10	0.29	0.16	0.30	0.59
including		170	200	30	0.34	0.12	0.30	0.58
and		254	270.2	16.2	0.07	0.06	0.10	0.19
KHDDH804	Golden Eagle	38.1	88	49.9	0.40	0.10	0.30	0.59
including		38.9	58.8	19.9	0.61	0.16	0.47	0.92
and		99.25	277	177.75	0.23	0.11	0.23	0.44
including		113.8	178	64.2	0.42	0.14	0.35	0.69
including		236	244.6	8.6	0.25	0.15	0.27	0.54
KHDDH805	Golden Eagle	41.6	195	153.4	0.43	0.13	0.35	0.68
including		44	111	67	0.67	0.15	0.50	0.97
including		54	62	8	1.34	0.18	0.87	1.70
including		54	60	6	1.43	0.18	0.91	1.78
including		77	91	14	0.81	0.21	0.62	1.22
including		127	133	6	0.37	0.15	0.34	0.66
and		267	278	11	0.06	0.05	0.08	0.15
KHDDH806	White Hill	2	146	144	0.06	0.13	0.16	0.32
and		156	443.4	287.4	0.07	0.18	0.21	0.41
including		386	443.4	57.4	0.15	0.29	0.36	0.71
and		545	595	50	0.94	0.25	0.73	1.42
including		549	571	22	2.10	0.26	1.34	2.62
and		779	821	42	0.03	0.22	0.24	0.46
including		781	790	9	0.05	0.53	0.56	1.09
KHDDH807	White Hill	295	353	58	0.04	0.09	0.11	0.22
and		367	425	58	0.04	0.12	0.14	0.27
including		381	385	4	0.09	0.36	0.40	0.79
and		435	994.7	559.7	0.07	0.23	0.27	0.53
including		457	477	20	0.09	0.19	0.23	0.46
including		487	499	12	0.11	0.31	0.36	0.71
including		512	524	12	0.10	0.26	0.31	0.61
including		546	555.4	9.4	0.13	0.26	0.33	0.65
including		685	712	27	0.05	0.26	0.28	0.55
including		734	747	13	0.08	0.33	0.37	0.72
including		761	983	222	0.10	0.31	0.36	0.70
including		834	838	4	0.22	0.55	0.66	1.28
and		1004	1198	194	0.06	0.19	0.22	0.42
including		1034	1090	56	0.10	0.25	0.30	0.59
including		1180	1184	4	0.08	0.43	0.46	0.91

QUARTERLY ACTIVITIES REPORT 31 December 2023

| Page 25 of 33

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Au (g/t)	Cu (%)	eCu (%)	eAu (g/t)
KHDDH808	White Hill	238	242	4	0.05	0.18	0.20	0.39
and		282.5	319	36.5	0.07	0.15	0.18	0.36
including		305	311	6	0.09	0.32	0.36	0.70
and		333	580.45	247.45	0.11	0.29	0.35	0.68
including		341	346	5	0.07	0.24	0.27	0.53
including		465	500	35	0.09	0.31	0.36	0.70
including		516	580.45	64.45	0.26	0.61	0.74	1.44
including		556	580.45	24.45	0.53	1.14	1.41	2.75
including		558	571.8	13.8	0.70	1.64	1.99	3.90
and		608	626	18	0.19	0.05	0.14	0.28
including		620	624	4	0.50	0.05	0.31	0.60
and		644	652	8	0.19	0.03	0.12	0.24
and		664	672	8	0.10	0.15	0.20	0.39
and		750	1085	335	0.08	0.25	0.30	0.58
including		751.7	891	139.3	0.12	0.38	0.44	0.86
including		786	796	10	0.13	0.54	0.61	1.19
including		812	818	6	0.27	0.85	0.99	1.94
including		918	926	8	0.08	0.26	0.30	0.59
including		958	962	4	0.08	0.29	0.33	0.65
including		980	989	9	0.22	0.22	0.33	0.64
including		1028.8	1035	6.2	0.12	0.50	0.56	1.10
and		1115	1127	12	0.03	0.12	0.14	0.27
and		1142	1172	30	0.02	0.11	0.12	0.24
and		1182	1186	4	0.02	0.13	0.14	0.27
KHDDH809	Assays pending							
KHDDH810	Assays pending							
KHDDH811	Assays pending							
KHDDH812	Assays pending							

APPENDIX 2: STATEMENTS AND DISCLAIMERS

MINERAL RESOURCES AND ORE RESERVES REPORTING REQUIREMENTS

The JORC Code, 2012 sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves. The Information contained in this Announcement has been presented in accordance with the JORC Code, 2012.

MINERAL RESOURCES AND ORE RESERVES

Mineral Resource Estimates for Kharmagtai were updated during the December Quarter – please refer to the relevant ASX/TSX Announcement for details.²⁸ There are no reported Ore Reserves.

MINING ACTIVITIES

There were no mine production or development activities during the December 2023 Quarter.

LIST OF TENEMENTS

Xanadu held licenses for the following tenements during the December 2023 Quarter. No new farm-in or farm-out agreements were entered into during the Quarter. A term sheet was signed subsequent to the quarter for a new farm-in agreement at Sant Tolgoi²⁹.

Project Name	Tenement Name	Beneficial	Ownership	Location	
		Start of Quarter	End of Quarter		
Red Mountain	Red Mountain	100%	100%	Mongolia, Dornogobi province, Saikhandulaan soum	
Kharmagtai	Kharmagtai	38.25% ³⁰	38.25%	Mongolia, Umnugobi province, Tsogttsetsii soum	
Sant Tolgoi	Sant Tolgoi, Oyut	0%	0% ³¹	Mongolia, Zavkhan Province	

COMPETENT PERSON STATEMENTS

The information in this announcement that relates to Mineral Resources is based on information compiled by Mr Robert Spiers, who is responsible for the Mineral Resource Estimate. Mr Spiers is a full time Principal Geologist employed by Spiers Geological Consultants (SGC) and is a Member of the Australian Institute of Geoscientists. He has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the Qualified Person as defined in the CIM Guidelines and National Instrument 43-101 and as a Competent Person under JORC Code, 2012. Mr Spiers consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this announcement that relates to exploration results is based on information compiled by Dr Andrew Stewart, who is responsible for the exploration data, comments on exploration target sizes, QA/QC and geological interpretation and information. Australasian Institute of Geoscientists and is a Member of the Australasian

³⁰ 38.25% represents 50% of Khuiten Metals via the Khuiten JV with Zijin. Khuiten Metals controls Kharmagtai and holds 76.5% of the Kharmagtai mining lease.
³¹ Term sheet signed after the Quarter. Upon final long-form agreement signing, Xanadu will have the right to earn 51% interest in the project by spending US\$1,000,000 on exploration over a period of 24 months.

²⁸ ASX/TSX Announcement 8 December 2023 – Kharmagtai Mineral Resource grows by 13% CuEq; including >25% increase in higher-grade core

²⁹ ASX/TSX Announcement 22 January 2024 – Xanadu Enters Into New Magmatic Copper and Nickel Sulphide Project

Institute of Geoscientists, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as the Competent Person as defined in the JORC Code, 2012 and the *National Instrument 43-101*. Dr Stewart consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

RELATED PARTIES

As set out in section 6.1 of the attached Appendix 5B, *Mining exploration entity or oil and gas exploration entity quarterly cash flow report*, payments made to related parties and their associates was approx. \$252,000 in the December 2023 Quarter. The amounts relate to salary, superannuation and bonus payments to Directors; legal fees paid to HopgoodGanim Lawyers (a company associated with Xanadu Non-Executive Director Michele Muscillo) for legal services; rent paid to Xanadu Executive Director Ganbayar Lkhagvasuren in relation to Xanadu's Ulaanbaatar office; and rent fees paid to Colin Moorhead & Associates (a company associated with Xanadu's Executive Chairman and Managing Director, Colin Moorhead) in relation to a share of Xanadu's Melbourne office.

COPPER EQUIVALENT CALCULATIONS

The copper equivalent (**eCu**, **CuEq**) calculation represents the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage with a metallurgical recovery factor applied.

Copper equivalent grade values were calculated using the formula: CuEq = Cu + Au * 0.60049 * 0.86667.

Where Cu - copper grade (%); Au - gold grade (g/t); 0.60049 - conversion factor (gold to copper); 0.86667 - relative recovery of gold to copper (86.67%).

The copper equivalent formula was based on the following parameters (prices are in USD): Copper price 3.4 (lb; Gold price 1400)/oz; Copper recovery 90%; Gold recovery 78%; Relative recovery of gold to copper = 78% / 90% = 86.67%.

FORWARD-LOOKING STATEMENTS

Certain statements contained in this Announcement, including information as to the future financial or operating performance of Xanadu and its projects may also include statements which are 'forward-looking statements' that may include, amongst 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. These 'forward-looking statements' are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Xanadu, 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.

Xanadu disclaims any intent or obligation to update publicly or release any revisions to any forward-looking statements, whether a result of new information, future events, circumstances or results or otherwise after the date of this Announcement or to reflect the occurrence of unanticipated events, other than required by the *Corporations Act 2001* (Cth) and the Listing Rules of the Australian Securities Exchange (**ASX**) and Toronto Stock Exchange (**TSX**). The words 'believe', 'expect', 'anticipate', 'indicate', 'contemplate', 'target', 'plan', 'intends', 'continue', 'budget', 'estimate', 'may', 'will', 'schedule' and similar expressions identify forward-looking statements.

All 'forward-looking statements' made in this Announcement are qualified by the foregoing cautionary statements. Investors are cautioned that 'forward-looking statements' are not guarantee of future performance and accordingly investors are cautioned not to put undue reliance on 'forward-looking statements' due to the inherent uncertainty therein.

For further information, please visit the Xanadu Mines web site www.xanadumines.com.

DESIGNATED FOREIGN ISSUER (TSX)

For TSX reporting purposes, the Company is a "designated foreign issuer", as such term is defined in National Instrument 71-102 – Continuous Disclosure and Other Exemptions Relating to Foreign Issuers ("NI 71-102"). As such, the Company is exempt from certain reporting requirements imposed on reporting issuers in Canada. The Company is subject to the foreign regulatory requirements of ASX, which is a "foreign regulatory authority" (as defined in NI 71-102). Generally, the Company will comply with Canadian ongoing reporting requirements if it complies with the regulatory requirements of ASX and files any documents required to be filed with or furnished to ASX on SEDAR.

The Company continues to be listed on the TSX and to be a 'reporting issuer' in the Province of Ontario, Canada. The Company also continues to be a 'designated foreign issuer', as defined in National Instrument 71-102 – Continuous Disclosure and Other Exemptions Relating to Foreign Issuers of the Canadian Securities Administrators. As such, the Company is not subject to the same ongoing reporting requirements as most other reporting issuers in Canada. Generally, the Company will be in compliance with Canadian ongoing reporting requirements if it complies with the Australia Securities & Investments Commission in its capacity as the competent authority and the applicable laws of Australia and files on its SEDAR profile at www.sedar.com any documents required to be filed or furnished pursuant to the Australian Rules.

The Company is listed on the Australian Securities Exchange and Toronto Stock Exchange. It is a "designated foreign issuer" as defined in National Instrument 71-102–Continuous Disclosure and Other Exemptions Relating to Foreign Issuers and is subject to the regulatory requirements of the Australian Securities & Investments Commission and the Australian Securities Exchange.

The Company has determined that as at the beginning of the financial year 1 January 2023, it is a "designated foreign issuer" as defined in National Instrument 71-102 – Continuous Disclosure and other Exemptions Relating to Foreign Issuers ("NI 71-102") and subject to the foreign regulatory requirements of ASX, a market operated by the Australian Stock Exchange. Accordingly, the Company is able to rely on certain exemptions from the continuous disclosure obligations imposed under Canadian securities legislation as permitted under NI 71-102.

As a Foreign Issuer, the Company will not be providing further Quarterly Updates to the TSX until such time the foreign issue exemption no longer applies.

Appendix 5B

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

Name of entity		
Xanadu Mines Ltd		
ABN Quarter ended ("current quarter")		
92 114 249 026	31 December 2023	

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 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	(518)	(2,346)
	(e) administration and corporate costs	(893)	(4,056)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	(8)	40
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)		
	Operator overhead received from Joint Venture	1,032	3,003
1.9	Net cash from / (used in) operating activities	(387)	(3,439)

2.	Ca	sh flows from investing activities		
2.1	Pay	yments to acquire or for:		
	(a)	entities	-	-
	(b)	tenements	-	-
	(c)	property, plant and equipment	(61)	(68)

Appendix 5B

Mining exploration	entity or oil an	d gas exploratio	n entity guarterly	/ cash flow report
5 1	,	J 1		

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 months) \$A'000
	(d) exploration & evaluation	(156)	(306)
	(e) investments	0	(288)
	(f) other non-current assets	-	-
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)	-	-
2.6	Net cash from / (used in) investing activities	(217)	(662)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	3,116	11,412
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	(131)-	(131)
3.7	Transaction costs related to loans and borrowings	-	(75)
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	2,985	11,206

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

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	4,762	118
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(387)	(3,439)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(217)	(662)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	2,985	11,206
4.5	Effect of movement in exchange rates on cash held	175	95
4.6	Cash and cash equivalents at end of period	7,318	7,318

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	5,318	4,762
5.2	Call deposits	2,000	-
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)	7,318	54,762

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	252
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
	any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a c ation for, such payments.	lescription of, and an

Appendix 5B

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

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 qu	larter end	-
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)	(387)	
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(156)	
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(543)	
8.4	Cash and cash equivalents at quarter end (item 4.6)	7,318	
8.5	Unused finance facilities available at quarter end (item 7.5)	-	
8.6	Total available funding (item 8.4 + item 8.5)	7,318	
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	13.48	
	Note: if the entity has reported positive relevant outgoings (i.e., 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.		
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: N/A		
	8.8.2 Has the entity taken any steps, or does it propose to tak cash to fund its operations and, if so, what are those ste believe that they will be successful?		
	Answer:		
	N/A		

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

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?
Answe	r:
N/A	
Note: wi	here 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: 31 January 2024

Authorised 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 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.