



**ASX RELEASE | 31 January 2023 | ASX: AON**  
**DECEMBER 2022 QUARTERLY REPORT**

*Highlights during and subsequent to the quarter included:*

**GLOBALLY SIGNIFICANT EXPLORATION TARGET**

- Initial Exploration Target defined from **only six of the 23 Target Prospects at Kroussou**; outlining the potential for Kroussou to host a globally significant base metal endowment.
- Zinc and lead mineralisation shallow across the target areas with an **average depth of only 15 metres**, potential for simple open pit mining extraction.

**EXCELLENT METALLURGY – HIGH QUALITY ZN+PB CONCENTRATE GRADES**

High recoveries and exceptional high-quality zinc and lead concentrates produced.

- **Zinc recovery into concentrate of 93.0%; Concentrate Grade of 53.0% Zn.**
- **Lead recovery into concentrate of 94.4%; Concentrate Grade of 70.0% Pb.**
- Simple processing flowsheet and excellent metal liberation at a coarse grind size, contained metal recoveries and concentrate grades are world class when compared to current global zinc and lead producers.

**40% ZINC + LEAD MASSIVE SULPHIDE DISCOVERY**

Diamond drilling at regional target TP13 confirmed multiple holes intersect major **high grade mineralised structure in regional drilling**, significant intercepts included:

- **40.0% Zn+Pb over 3.5m** from 3.5m depth within a broader **6.0m @ 18.0% Zn+Pb**;
- **10.0% Zn+Pb over 4.4m** from 37.4m within a broader zone of **8.7m @ 6.0% Zn+Pb**;
- **8.6% Zn+Pb over 4.0m** from 27.7m within a broader zone of **6.2m @ 5.9% Zn+Pb**.
- The major mineralising structure is **open to the north and south**.
- **2023 field work program has commenced** looking to expand the exploration footprint and test high-grade structural trends, initially targeting the newly acquired Keri permit.

**ONE FOR FIVE RIGHTS ISSUE TO RAISE \$4.3 MILLION LAUNCHED**

Non-renounceable Entitlements Offer to raise up to \$4.34 million before costs:

- Eligible shareholders will be offered the opportunity to purchase one (1) new fully paid ordinary share for every five (5) fully paid ordinary shares held at the record date, at an issue price of \$0.045 per New Share.
- Eligible shareholders may also apply for additional New Shares as part of any shortfall under the Offer.
- Directors have agreed to take up their entitlements and partially underwrite the Entitlement Offer to a combined total of approximately \$700,000.
- Please refer to the separate ASX Announcement and Offer Document lodged with ASX today for full details regarding the Entitlement Offer including key dates.



Apollo Minerals Limited (**ASX: AON**) (“**Apollo Minerals**” or “**Company**”) is pleased to present its quarterly report for the period ending 31 December 2022 and provide an update on the Company’s 100% owned Kroussou zinc-lead project in Gabon (“Kroussou” or “Project”) where results to date demonstrate the Project has the scale potential to be a Super Giant base metal project and feature amongst the most significant undeveloped zinc and lead projects globally.

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 Business Development

**GLOBALY SIGNIFICANT EXPLORATION TARGET**

During the quarter, the Company announced its initial JORC compliant Exploration Target which consists of between **approximately 140 and 300 million tonnes at grades between 2.0% and 3.4% zinc plus lead**, identifying the significance of the exploration and development opportunity at Kroussou.

The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource for the target area reported. It is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared and reported in accordance with the 2012 edition of the JORC Code.

The Initial Exploration Target was estimated across **only the six of 23 Target Prospects** at Kroussou where modern diamond drilling has been completed. In addition to the modern drilling data, these six Target Prospects also have geological mapping, geochemical (soils) and geophysical (airborne electromagnetic (“AEM”), airborne magnetics and/or passive seismic) datasets to support the geological models.

The Initial Exploration Target for the six Target Prospects at Kroussou is summarised below in Table 1 and displayed graphically in Figure 1.

Exploration Target						
Target Prospect	Min. Tonnage (Mt)	Max. Tonnage (Mt)	Min Grade Zn+Pb (%) <sup>1</sup>	Max Grade Zn+Pb (%) <sup>1</sup>	Metal Content Min. Mt (Zn+Pb) <sup>1</sup>	Metal Content Max. Mt (Zn+Pb) <sup>1</sup>
TP13 (Niambokamba)	25	53	2.6	5.0	1.3	1.4
TP11 (Dikaki)	50	100	2.0	3.1	1.7	2.0
TP10 (Bouambo East)	4	8	1.5	2.6	0.1	0.1
TP10 (Bouambo West)	17	22	2.4	4.1	0.7	0.5
TP8 (Ngongui)	10	24	1.3	2.2	0.2	0.3
TP6 (Niamabimbou)	34	93	1.6	2.9	1.0	1.5
<b>Total</b>	<b>140</b>	<b>300</b>	<b>2.0</b>	<b>3.4</b>	<b>4.8</b>	<b>5.8</b>

<sup>1</sup> Zinc is approximately 72% of the Zn+Pb total by mass. Note: Figures have been rounded which may affect totals.

Table 1: Kroussou 2022 Exploration Target Summary.



### Exploration Target in Context

Benchmarking of the initial Exploration Target for Kroussou demonstrated that it has the scale potential to be a 'Super Giant' deposit with a conceptual approximate metal endowment range of 4.8Mt to 5.8Mt of contained Zn+Pb metal from only six of the 23 Target prospects. The endowment range ranks Kroussou as having significant potential when compared to other zinc-lead deposits.

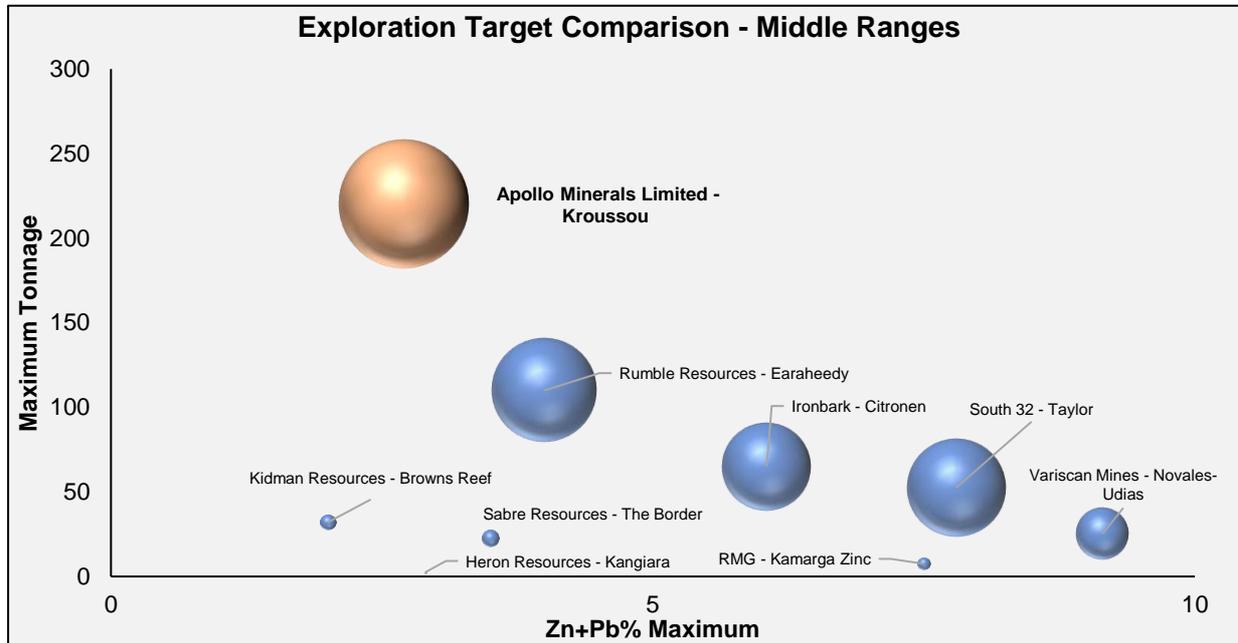


Figure 1 – Comparison of Exploration Targets for selected zinc lead projects (refer Appendix 4 for source information).

Figure 1 above displays the Exploration Targets of selected projects as a graph of combined Zn+Pb grade and metal endowment as mid-point values. The graph is presented as a method to display and compare the grade and tonnage ranges of the selected projects. Appendix 4 contains details of the data set used.



## **EXCELLENT METALLURGY – HIGH QUALITY ZN+PB CONCENTRATE GRADES**

During the quarter, the Company announced the results of metallurgical test of the mineralisation discovered at Kroussou. The test work program was designed to define and quantify the characteristics of potential saleable concentrates from representative samples taken from Kroussou.

The mineralisation utilised for the test work was taken from diamond drill core from drilling conducted at TP11 in 2021. The core was chosen to be representative of the known geology and to allow for determination of both the zinc and lead flotation characteristics. The master composite sample utilised for the test work was taken from four diamond drill holes with a head assay grade of 2.06% Zn, 2.61% Pb and 0.8ppm Ag.

### ***Concentrate Recoveries – Excellent recovery of contained metal***

Test work conducted using an optimised flow sheet demonstrated top-tier world-class recoveries with:

- **93.0% zinc recovery** of the contained metal into a saleable zinc concentrate; and
- **94.4% lead recovery** of the contained metal into a saleable lead concentrate.

These figures represent the recovered metal in concentrate after processing of the mineralised sample.

Benchmarking of the recovery results to comparable global zinc and lead producers indicated that the results place Kroussou in the upper band of zinc and lead mines when classed by metal recoveries. Given metal recoveries is a key determinant of project viability the results further reinforced the world class potential of the mineralisation at the province scale Kroussou Project.

Company	MMG	MMG	NCZ	Nexa	Glencore	Apollo
Project	Dugald River <sup>1</sup>	Rosebery <sup>1</sup>	Century <sup>2</sup>	Vazante <sup>3</sup>	McArthur River <sup>4</sup>	Kroussou
Zn Recoveries	88%	85%	47%	86%	N/A	93%
Pb Recoveries	63%	80%	N/A	29%	N/A	94%

Table 2: Kroussou Zinc and Lead Recoveries vs Global Producers.

### ***Concentrate Grades – High quality saleable zinc and lead concentrates***

The optimised processing flow sheet for Kroussou also delivered exceptional high-quality zinc and lead concentrates:

- **Zinc Concentrate Grade of 53.0% Zn**; and
- **Lead Concentrate Grade of 70.0% Pb**.

Benchmarking these results to major zinc and lead producers indicates a high-quality concentrate product with a highly desirable grade profile.

Company	MMG	MMG	NCZ	Nexa	Glencore	Apollo
Project	Dugald River <sup>1</sup>	Rosebery <sup>1</sup>	Century <sup>2</sup>	Vazante <sup>3</sup>	McArthur River <sup>4</sup>	Kroussou
Zn Concentrate Grade	50%	54%	48%	39%	47%	53%

Table 3: Kroussou Zinc Concentrate Grades vs Global Producers.

Company	MMG	MMG	Boliden	Nexa	Glencore	Apollo
Project	Dugald River <sup>1</sup>	Rosebery <sup>1</sup>	Tara <sup>5</sup>	Vazante <sup>3</sup>	McArthur River <sup>4</sup>	Kroussou
Pb Concentrate Grade	55%	61%	54%	27%	N/A	70%

Table 4: Kroussou Lead Concentrate Grades vs Global Producers.

<sup>1</sup> MMG Limited – Fourth Quarter Production Report 2021

<sup>2</sup> New Century Resources Limited – Quarterly Activities Report Dec-21

<sup>3</sup> Nexa Resources S.A – Information Relating to Mineral Properties 17-Mar-22

<sup>4</sup> Wood Mackenzie, August 2018 (N/A – information not available)

<sup>5</sup> Boliden - Annual and Sustainability Report 2021



## 40% ZINC + LEAD MASSIVE SULPHIDE DISCOVERY

Exploration drilling during the previous quarter focussed on the Niambokamba prospect (**Niambokamba or TP13**). A total of 24 diamond drill holes for 1,091m were drilled at TP13 (with three discrete areas initially targeted, 7km north of previous drilling at Dikaki (TP11)).

Drilling in the north-west area of TP13 intercepted a new style of structurally related mineralisation that is characterised by zones of brecciation in core, massive to disseminated sulphides (sphalerite + galena +/- marcasite) and nearby barite mineralisation. Recent field mapping at TP13 also identified 8 occurrences of gossans within 2km of the TP13 NW area. The mineralisation is open to the north and south and represents a prime target for the next stage of exploration, with mapped mineralised gossans now confirmed.

Significant intercepts (Figure 2) of this style of mineralisation included:

- **3.5m @ 40.0% Zn+Pb** from 3.5m depth within a broader **6.0m @ 18.0% Zn+Pb** from 1m downhole in NKDD029 - the total mineralised zone is interpreted to be 12.7m thick based on assays from both NKDD029 and the nearby twinned hole NKDD020;
- **4.4m @ 10.0% Zn+Pb** from 37.4m within a broader zone of **8.7m @ 6.0% Zn+Pb** from 36.4m in NKDD025, representing a 55m down-dip extension of the mineralisation observed in NKDD029; and
- **4.0m @ 8.6% Zn+Pb** from 27.7m within a broader zone of **6.2m @ 5.9% Zn+Pb** from 25.4m in NKDD026, representing a 100m extension of the mineralised system to the north of NKDD029.

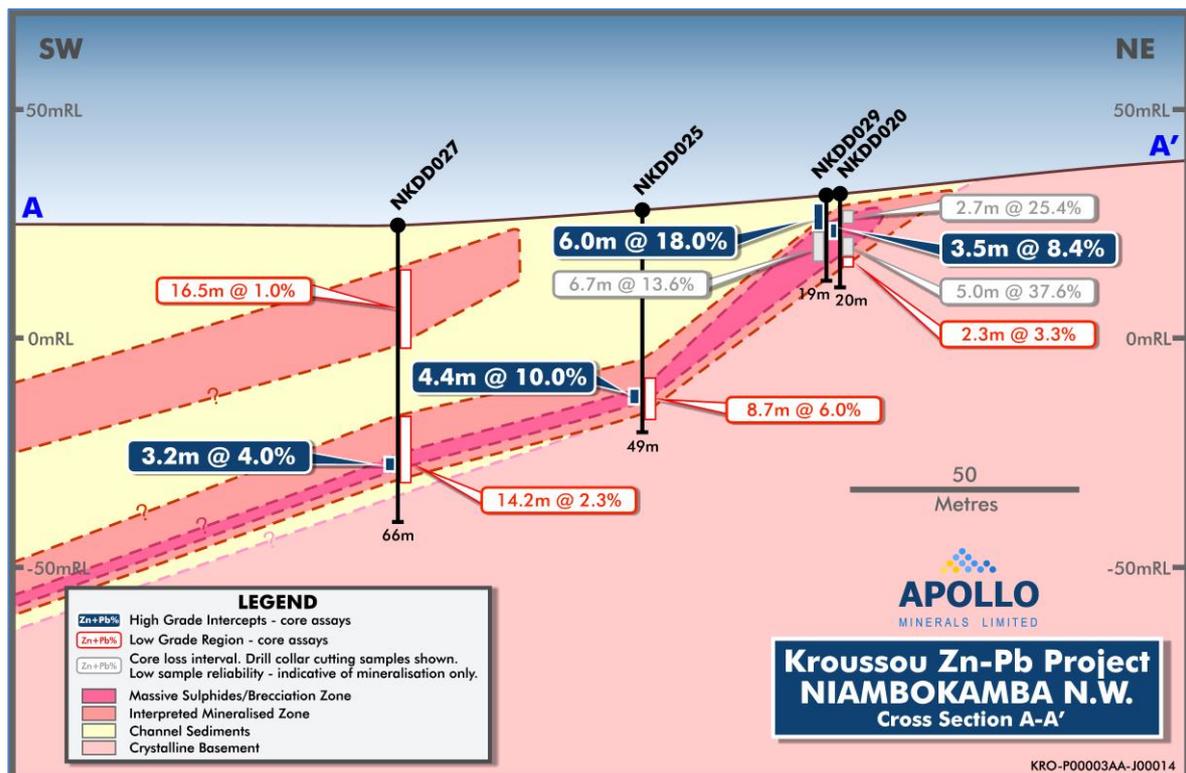


Figure 2 – Recent drilling at TP13 (NKDD020, NKDD025, NKDD027, and NKDD029).



## **NEXT STEPS – CURRENT AND UPCOMING WORK PROGRAMS**

The future work program at Kroussou will aim to expand the broader exploration footprint at Kroussou, in addition to field work to test and further define the Company's recently announced initial Exploration Target. These planned activities include:

- Ongoing analysis and compilation of regional exploration data;
- Interpretation of regional AEM survey with a view to identifying additional embayment and structural targets.
- Initial 2023 field program (currently underway) with surface exploration programs comprising soil sampling, geological mapping, rock chip sampling to generate new targets within the Keri permit and test high-grade structural trends within the Kroussou permit;
- Follow up regional mapping and review of gold occurrences within the Keri permit at Salane, including historical data review;
- Ranking and prioritisation of drill targets across the broader Kroussou license package; with an additional focus on the delineation of high-grade structural targets.



## **ENTITLEMENT OFFER**

On 31 January 2023, the Company announced that it will undertake a non-renounceable entitlement offer (“Entitlement Offer”) to raise up to \$4.3 million before costs. Under the Entitlement Offer, eligible shareholders are entitled to purchase one (1) new fully paid ordinary share in Apollo Minerals for every five (5) fully paid ordinary shares in Apollo Minerals held at the record date, at an issue price of \$0.045 per share. Directors of the Company have committed to take up their entitlements under the Entitlement Offer and to partially underwrite the Entitlement Offer by applying for Shortfall Shares, up to a combined total of approximately \$700,000.

Please refer to the Offer Document lodged with ASX today for full details regarding the Entitlement Offer and the commitments by the Directors to take up their entitlements and partially underwrite the Entitlement Offer.

## **CORPORATE**

As at 31 December 2022, the Company holds 2.3 million ordinary shares in Constellation Resources Limited (ASX: CR1) valued at approximately \$0.32 million.

The Company continues its growth efforts through the identification of potential new mineral resources projects in Gabon which complement the ongoing exploration activities at the Kroussou Project. Apollo Minerals believes Gabon is an investment friendly jurisdiction with the infrastructure and stable political environment to support successful exploration and development of high value globally significant resource projects. Resource project opportunities in Gabon which have the potential to build shareholder value may take the form of joint ventures, farm-ins, or direct project acquisitions. There is no guarantee that the identification and due diligence of potential new business opportunities will result in any transaction or that any future transaction will be completed or will be successful.

## **EUROPEAN GOLD AND TUNGSTEN PROJECT (COUFLENS PROJECT)**

As previously announced, Apollo Minerals and the French State had lodged coordinated appeals in the Bordeaux Court of Appeals against the decision of the Toulouse Administrative Court on 28 June 2019 about the Couflens exploration permit (Couflens PER) that includes the historical high-grade Salau tungsten mine that was owned by the Company’s French subsidiary Variscan Mines SAS (Variscan). The Toulouse Court cancelled the Couflens PER on the grounds that Variscan Mines’ financial capacity was insufficient and that the French State had followed an irregular procedure and did not adequately consult the public prior to granting the Couflens PER.

The French State and the Company had contested the decision of the Toulouse Administrative Court. In June 2020, the Bordeaux Court of Appeals dismissed the appeal, confirming the cancellation of the Couflens PER on the ground of an irregular procedure but confirmed that Variscan had sufficient financial capacity.

At the time of the application for the Couflens PER, Apollo Minerals was required to demonstrate to the French State that it had sufficient financial capacity to conduct its planned research activities. The Company provided supporting documentation to the French State in October 2016, to confirm its financial capacity and the permit was subsequently granted to Variscan. Prior to the grant of the Couflens PER, the French State was required to make this supporting documentation available to the public, but it failed to do so. The appeal Court noted that “In view of the interest in the quality and completeness of the information provided on the operator’s [Variscan] financial capacity, the public was deprived of a guarantee of full information on this point.”

In late June 2022, the Conseil d’Etat, the highest court in France, delivered a ruling that annulled the decision of the Court of Bordeaux, considering that the procedure of consultation was regular, and referred the case back to the Court of Bordeaux for retrial.

Taking the original ruling by the Bordeaux Court of Appeals into account, Apollo Minerals and its French subsidiaries filed a claim for compensation before the Administrative Court of Toulouse. The Company is awaiting the court’s decision. The Company will inform the market of material developments as they occur.

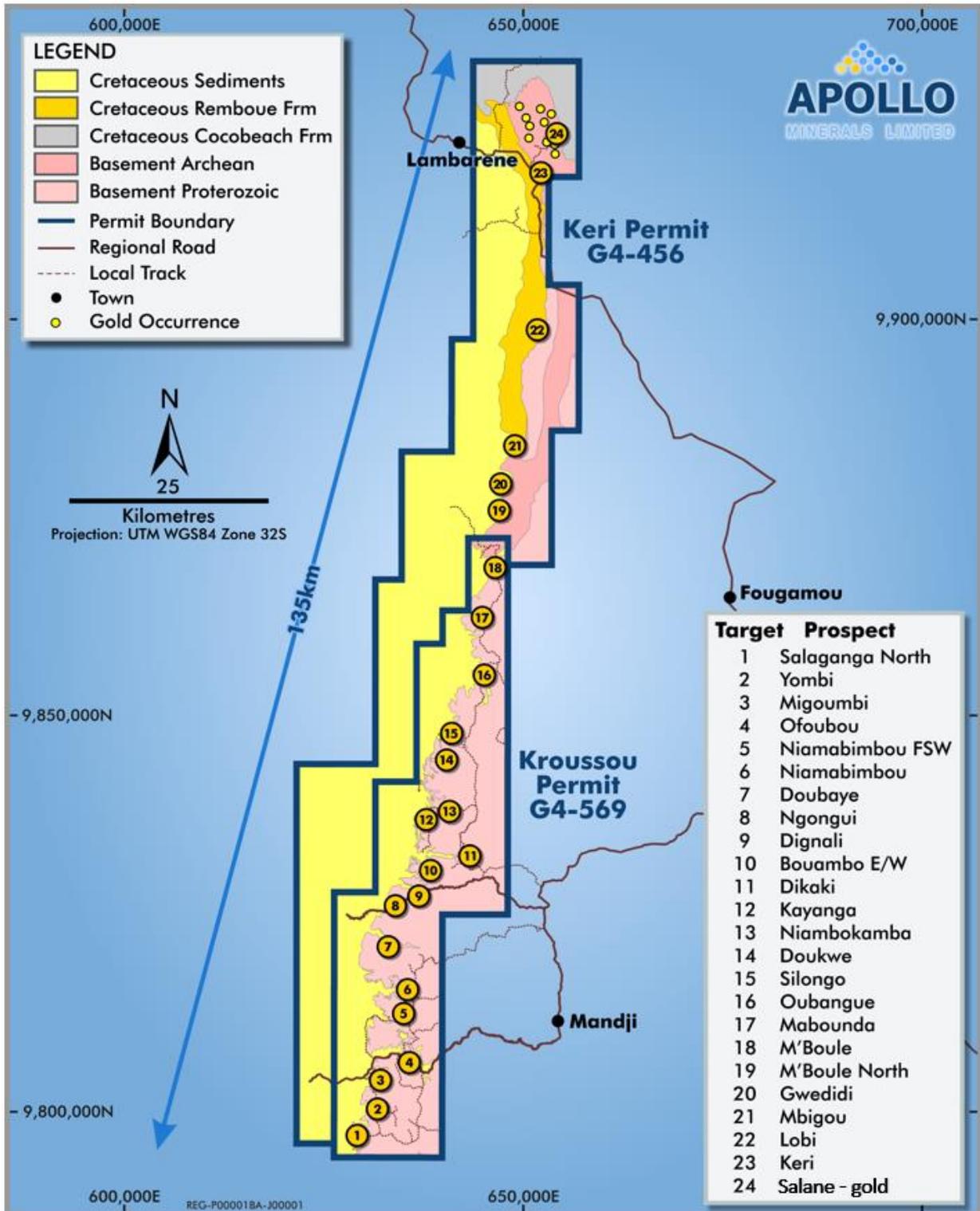


Figure 3: Kroussou displaying 18 Target Prospects over more than 80km of prospective strike length.



## **ABOUT APOLLO MINERALS AND THE KROUSSOU PROJECT**

Apollo Minerals Limited (ASX: AON) is focussed on the discovery and development of large scale, near surface, zinc-lead resources at the Company's 100% owned Kroussou Zinc-Lead Project in Gabon which consist of two Exploration Permits which cover a total of 2,363.5km<sup>2</sup>. Kroussou is located within the Ngounié Province of Western Gabon located approximately 220km south-southeast of the capital city of Libreville.

### **Kroussou is a large, province scale zinc project**

The Company recently announced its initial **Exploration Target** (estimated across only six of 24 target prospects) consisting of between approximately **140 and 300 million tonnes at a grade between 2.0% and 3.4% zinc plus lead**<sup>1</sup>.

Exploration has validated the province-scale potential at Kroussou with the identification of multiple zinc-lead mineral occurrences over more than 135km of strike length of prospective geology to date. The potential for further discovery at Kroussou is immense with 23 identified zinc-lead target prospects, only six of which have been drill tested to date. Additionally there is known gold mineralisation in the north of the new Keri Permit (TP24).

### **Near surface, thick mineralisation**

The very shallow nature of the zinc-lead mineralization being intersected (average depth <20m) indicates the low cost development and mining potential at the Project.

### **Gabon is an attractive, mining-friendly, yet underexplored jurisdiction**

Gabon has an establishing mining industry (being a major exporter of manganese and oil) and of late has seen a growing influx of large Australian-listed companies in the region. The country benefits from well-established infrastructure and direct access to global shipping routes (Kroussou is located 230kms from port, connected by rail and sealed roads). Gabon has a favourable Mining Convention with tax concessions for mining exploration, is politically stable and an abundance of hydropower to support low carbon mining operations.

### **High calibre management team, with a proven track record of discovery success and creating shareholder value**

Led by a proven management team with deep African mining experience, including John Welborn (Non-Executive Chairman), Neil Inwood (Managing Director) and Ian Middlemas (Non-Executive Director).

### **Favourable outlook for zinc - an essential ingredient to the decarbonisation of the world**

There is a looming supply shortage for zinc, driven by depleting inventories, a lack of new mines/supply entering the market and by demand growth from clean energy technologies (solar panels and zinc-bromide batteries).

### **Apollo Minerals is a responsible, community-minded resources company**

Apollo Minerals is deeply committed to creating value for the local communities in which we operate, by providing employment opportunities, contributing to the economy by buying locally, and by operating in a low footprint manner that minimizes impact on the environment.

### **Compelling valuation with multiple upcoming catalysts**

A strong pipeline of news flow is expected as the Company advances an aggressive exploration program to delineate the Kroussou's true scale of shallow (open-pittable), high grade zinc-lead mineralisation, in order to justify the commencement of feasibility studies.

<sup>1</sup> *The potential quantity and grade of the initial Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource. It is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared and reported in accordance with the 2012 edition of the JORC Code.*



Figure 4: Kroussou Project and nearby transport infrastructure.



## COMPETENT PERSONS STATEMENT

The information in this announcement that relates to previous Exploration Results are extracted from the Company's ASX announcements dated 3 September 2019, 15 January 2021, 3 March 2020, 11 May 2020, 29 January 2021, 31 August 2022, 18 October 2022, 2 November 2022 and 9 November 2022. These announcements are available to view on the Company's website at [www.apollominerals.com](http://www.apollominerals.com). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements; that all material assumptions and technical parameters underpinning the content in the relevant ASX announcements continues to apply and have not materially changed; and that the form and context in which the relevant Competent Person's findings are presented have not been materially modified from the original ASX announcements.

## FORWARD LOOKING STATEMENTS

Statements regarding plans with respect to the Company's projects are forward-looking statements. There can be no assurance that the Company's plans for development of its projects will proceed as currently expected. These forward-looking statements are based on the Company's expectations and beliefs concerning future events. Forward looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of the Company, which could cause actual results to differ materially from such statements. The Company makes no undertaking to subsequently update or revise the forward-looking statements made in this announcement, to reflect the circumstances or events after the date of that announcement.

This announcement has been authorised for release by Mr Neil Inwood, Managing Director.

## KROUSSOU: INITIAL EXPLORATION TARGET

The initial Exploration Target for Kroussou is detailed in the ASX announcement dated 9 November 2022, titled "Initial Exploration Target Kroussou Zinc Lead Project".

The Exploration Target is based upon analysis of exploration data, including diamond drilling, geochemical analyses and geophysical surveys which have been undertaken over the project since 2017. Since 2017, there have been a total of 231 diamond holes drilled for 12,275m and 5,470 samples at Target Prospects 6, 8, 10, 11 and 13. Additionally, there were 447 diamond holes drilled for 7,865m from the 1960's to the 1970's undertaken by the Bureau de Recherches Géologiques et Minières ("BRGM") of which only 164 holes have assays. As the BRGM holes were only sporadically sampled, only drilling undertaken by the Company (2021, 2022) and Trek Metals Limited ("Trek") (2017, 2018) was utilised to inform the grade estimation. There has been extensive mapping of the basement contact over the entire permit length for G4-569, along with 12,000 soil geochemical samples, 270 stream samples and 653 rock chip samples taken. These combined data sets informed the areas selected for inclusion in the Exploration Target.

The process used to estimate the initial Exploration Target involved is summarised below and included the following main steps:

- Embayment/paleochannel area limits were outlined and verified against available mapping, geophysics, sampling and drilling information;
- A 3D evaluation of drill hole information utilising sectional interpretation was undertaken to assess geological and mineralised continuity of the data, while assessing the Zn+Pb% cut off grades of 1% and 2%;
- Only drillholes drilled by the Company and Trek were utilised to determine grade ranges, whereas drillholes from BRGM were utilised to supplement continuity interpretation;
- Maximum, minimum and average width and grade intersections were determined for each applied grade cut-off at each Target Prospect;
- Volumes were determined based on weighted average mineralised widths for the applied cut-offs within the validated paleochannel area limits;
- The applied cut-offs resulted in volume estimates from which tonnage ranges were determined utilising the weighted density measurements taken for each Target Prospect;
- Based on the drillhole data density, the confidence in mapping, geophysical information, and qualitative geological risk, modifying factors were also applied to the raw tonnage estimates. The modifying factors applied ranged from a 35% to 60% discount applied to the tonnage ranges for each Target Prospect;
- Maximum and minimum tonnage and grade ranges were determined utilising the results for the 1% and 2% Zn+Pb estimates post application of modifying factors; and
- TP11 (Dikaki) which contains a significant proportion of information, underwent additional review and estimation using a more detailed 3D model and comparison to a separate outside estimate.

Exploration activities to test the Exploration Target include: Analysis of regional drilling and exploration completed at TP13 and TP8 in preparation for the 2023 field season; Additional surface exploration programs at additional Target Prospects comprising soil sampling, geological mapping, rock chip sampling to generate new targets; Drill targeting to test mineralised trends in the Target Prospects included in the defined Exploration Target. This work is envisaged to include infill and extensional drilling at TP11, and phase 2 drill testing at TP13 and TP6; Further drill testing of multiple targets across the Project area after ranking and prioritisation considering additional target. This work is envisaged to commence in the 2013 field season; with planning and interpretation work currently being undertaken.



## Appendix 1: Summary of Mining Tenements

As at 31 December 2022, the Company has an interest in the following projects:

Project Name	Permit Number	Percentage Interest	Status
Kroussou Project, Gabon	G4-569	100 <sup>(1)</sup>	Granted
	G4-456	100 <sup>(1)</sup>	Granted
Couflens Project, France	Couflens PER	Nil <sup>(2)</sup>	Cancelled <sup>(2)</sup>

### Notes:

- <sup>(1)</sup> The Kroussou project comprises two Prospecting Licences (*Permis de Recherche G4-569 and G4-456*) that cover 2,363.5km<sup>2</sup> in the Ngounié Province, western Gabon. The 'permis de recherche minière' G4-569 (Exploration Licence or Licence) covers 986.5km<sup>2</sup> and G4-456 covers 1,377km<sup>2</sup>, together they contain the entirety of the Company's flagship Kroussou Project. The Company's Licences are valid for a three (3) year period through to November 2024 and August 2025 respectively.
- <sup>(2)</sup> In June 2020, the Bordeaux Court of Appeals confirmed the cancellation of the Couflens PER. In late June 2022, the Conseil d'Etat, the highest court in France, delivered a ruling that annulled the decision of the Court of Bordeaux, considering that the procedure of consultation was regular, and referred the case back to the Court of Bordeaux for retrial. Taking the original ruling by the Bordeaux Court of Appeals into account, Apollo Minerals and its French subsidiaries filed a claim for compensation before the Administrative Court of Toulouse. The Company is awaiting the court's decision. The Company will inform the market of material developments as they occur.

## Appendix 2: Related Party Payments

During the quarter ended 31 December 2022, the Company made payments of \$63,000 to related parties and their associates. These payments relate to existing remuneration arrangements (executive salaries, director fees and superannuation).

## Appendix 3: Exploration and Mining Expenditure

During the quarter ended 31 December 2022, the Company made the following payments in relation to exploration activities:

Activity	\$000
Kroussou Field Costs	121
Drilling	70
Assays, Metallurgy and Testwork	106
Geophysical Surveys	310
Consultants – geological, geophysical, metallurgical, logistical, camp etc	206
<b>Total as reported in the Appendix 5B</b>	<b>813</b>

There were no mining or production activities and expenses incurred during the quarter ended 31 December 2022.



## Appendix 4: Additional Information Sources – Figure 1

Table summarising comparative publicly reported Zn/Pb JORC Exploration Targets. Note: Mid-point grade and tonnage data has been plotted in the scatter plot to display a representation of the Exploration Tonnage ranges. The width of each bubble represents the mid-point metal range, as combined Zn+Pb. The data set used is a representation of available peer Exploration Targets and it is probable that it may not be a complete. Projects displayed will have differing deposit types.

Exploration Target Benchmarking <sup>^</sup>									
Company	Project	Tonnage (Mt)		Zn Grade (%)		Pb Grade (%)		Zn + Pb% (if stated)	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Rumble Resources Limited	Earaheedy	100	120					3.5	4.5
Ironbark Zinc Limited	Citronen	40	90	4.6	6.5	0.4	0.6	5.0	7.1
South 32 Limited	Taylor	10	95	3.6	3.8	4	4.2		
Kidman Resources Limited	Browns Reef	27	37	1.3	1.4	0.6	0.7		
Variscan Mines Limited	Novales-Udias	16.5	34	6.3	9.1	1.1	1.8		
Sabre Resources Limited	The Border	15	30					2.0	5.0
RMG Limited	Kamarga Zinc	5	10	5	10				
Heron Resources Limited	Kangiara	2	3	1.3	1.9	1	1.6		

Company	Project	Source
Rumble Resources Limited	Earaheedy	ASX Announcement "Earaheedy Zn-Pb-Mn-Ag Project" released 18 October 2021
Ironbark Zinc Limited	Citronen	ASX Announcement – "Citronen Project – Exploration Target" released 11 February 2021
South 32 Limited	Taylor	ASX Announcement "Hermosa Project Update" released 17 January 2022
Kidman Resources Limited	Browns Reef	ASX Announcement "Improved Exploration Potential at the polymetallic Brown's Reef Project" released 20 January 2015
Variscan Mines Limited	Novales-Udias	ASX Announcement "Significant Initial Exploration Target Highlights Scale Potential and High Grade of Novales-Udias Project" released 28 July 2022
Sabre Resources Limited	The Border	<a href="https://www.sabresources.com/view.php?id=28">https://www.sabresources.com/view.php?id=28</a>
RMG Limited	Kamarga Zinc	ASX Announcement "Company Update – Hong Kong Mines and Money Conference" released 21 March 2012
Heron Resources Limited	Kangiara	<a href="https://www.skymetals.com.au/index.cfm/projects/kangiara/">https://www.skymetals.com.au/index.cfm/projects/kangiara/</a>

## Appendix 5B

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

Name of entity

Apollo Minerals Limited

ABN

96 125 222 924

Quarter ended ("current quarter")

31 December 2022

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	(813)	(1,758)
(b) development	-	-
(c) production	-	-
(d) staff costs	(125)	(313)
(e) administration and corporate costs	(116)	(324)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	8	19
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)		
(a) Business Development	(28)	(79)
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(1,074)</b>	<b>(2,455)</b>
<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	(250)
(c) property, plant and equipment	-	-
(d) exploration & evaluation	-	-
(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 (6 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)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	-	<b>(250)</b>
<b>3.</b>	<b>Cash flows from financing activities</b>		
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	(1)	(4)
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)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>(1)</b>	<b>(4)</b>
<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	2,027	3,661
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,074)	(2,455)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	(250)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(1)	(4)

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

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (6 months) \$A'000</b>
4.5	Effect of movement in exchange rates on cash held	-	-
<b>4.6</b>	<b>Cash and cash equivalents at end of period</b>	<b>952</b>	<b>952</b>

<b>5.</b>	<b>Reconciliation of cash and cash equivalents</b> at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	<b>Current quarter \$A'000</b>	<b>Previous quarter \$A'000</b>
5.1	Bank balances	152	156
5.2	Call deposits	800	1,871
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
<b>5.5</b>	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>952</b>	<b>2,027</b>

<b>6.</b>	<b>Payments to related parties of the entity and their associates</b>	<b>Current quarter \$A'000</b>
6.1	Aggregate amount of payments to related parties and their associates included in item 1	(63)
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

<b>7. Financing facilities</b>	<b>Total facility amount at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
<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	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (please specify) (a) 2.3 million ordinary shares held in Constellation Resources Limited (CR1)	322	-
<b>7.4 Total financing facilities</b>	<b>322</b>	-
<b>7.5 Unused financing facilities available at quarter end</b>		<b>322</b>
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.		
At 31 December 2022, the Company held 2.3 million ordinary shares in Constellation Resources Limited.		

<b>8. Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	(1,074)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(1,074)
8.4 Cash and cash equivalents at quarter end (item 4.6)	952
8.5 Unused finance facilities available at quarter end (item 7.5)	322
8.6 Total available funding (item 8.4 + item 8.5)	<b>1,274</b>
<b>8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	<b>1.2</b>
<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: Yes, on 31 January 2023, the Company announced that it will undertake non-renounceable entitlement offer ("Entitlement Offer") to raise up to \$4.3 million before costs. Under the Entitlement Offer, eligible shareholders are entitled to purchase one (1) new fully paid ordinary share in Apollo Minerals for every five (5) fully paid ordinary shares in Apollo Minerals held at the record date, at an issue price of \$0.045 per share. Directors of the Company have committed to take up their entitlements under the Entitlement Offer and to partially underwrite the Entitlement Offer by applying for Shortfall Shares, up to a combined total of approximately \$700,000.

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, on 31 January 2023, the Company announced that it will undertake non-renounceable entitlement offer ("Entitlement Offer") to raise up to \$4.3 million before costs. Under the Entitlement Offer, eligible shareholders are entitled to purchase one (1) new fully paid ordinary share in Apollo Minerals for every five (5) fully paid ordinary shares in Apollo Minerals held at the record date, at an issue price of \$0.045 per share. Directors of the Company have committed to take up their entitlements under the Entitlement Offer and to partially underwrite the Entitlement Offer by applying for Shortfall Shares, up to a combined total of approximately \$700,000.

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: 31 January 2023

Authorised by: Company Secretary  
(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.