

6 June 2024

## RC Drilling Program to commence at Mpanda Cu-Au Project, Tanzania

### Highlights

- Exploration Reverse Circulation (RC) Drilling is scheduled to commence from mid next week in the highly prospective Mpanda Cu-Au Project in Tanzania.
- An initial 8 highly prospective drill hole locations have been defined, with a further 4-6 drill holes being planned upon confirmation of auger and trenching results that are currently being completed.
- The initial two (2) RC drill holes will be located at the Stalike Prospect where channel sampling has intersected 5m @ 1.13% Cu from 8m and open at depth<sup>2</sup>.
- A further six (6) RC drill holes are planned within the highly prospective Mpanda Ndogo Prospect where Cu mineralisation has been confirmed by the presence of mineralised basal rocks underlying the soil, auger and trench Cu anomalies. This prospect is considered to have significant resource potential given the size of the known Cu anomaly along strike in this location is recognised as now being over 5km<sup>2</sup>.
- RMC's Mpanda Cu-Au Project comprises a strategic tenement portfolio covering 1055.96km<sup>2</sup> which surrounds the high-grade producing Katavi Copper Mine<sup>1</sup>. RC drill targets are being defined to test deeper mineralisation in other prospects (Magumbu, Kabungu, Kapalala), and this information will provide RMC with a series of potential new drill hole locations in the coming weeks.

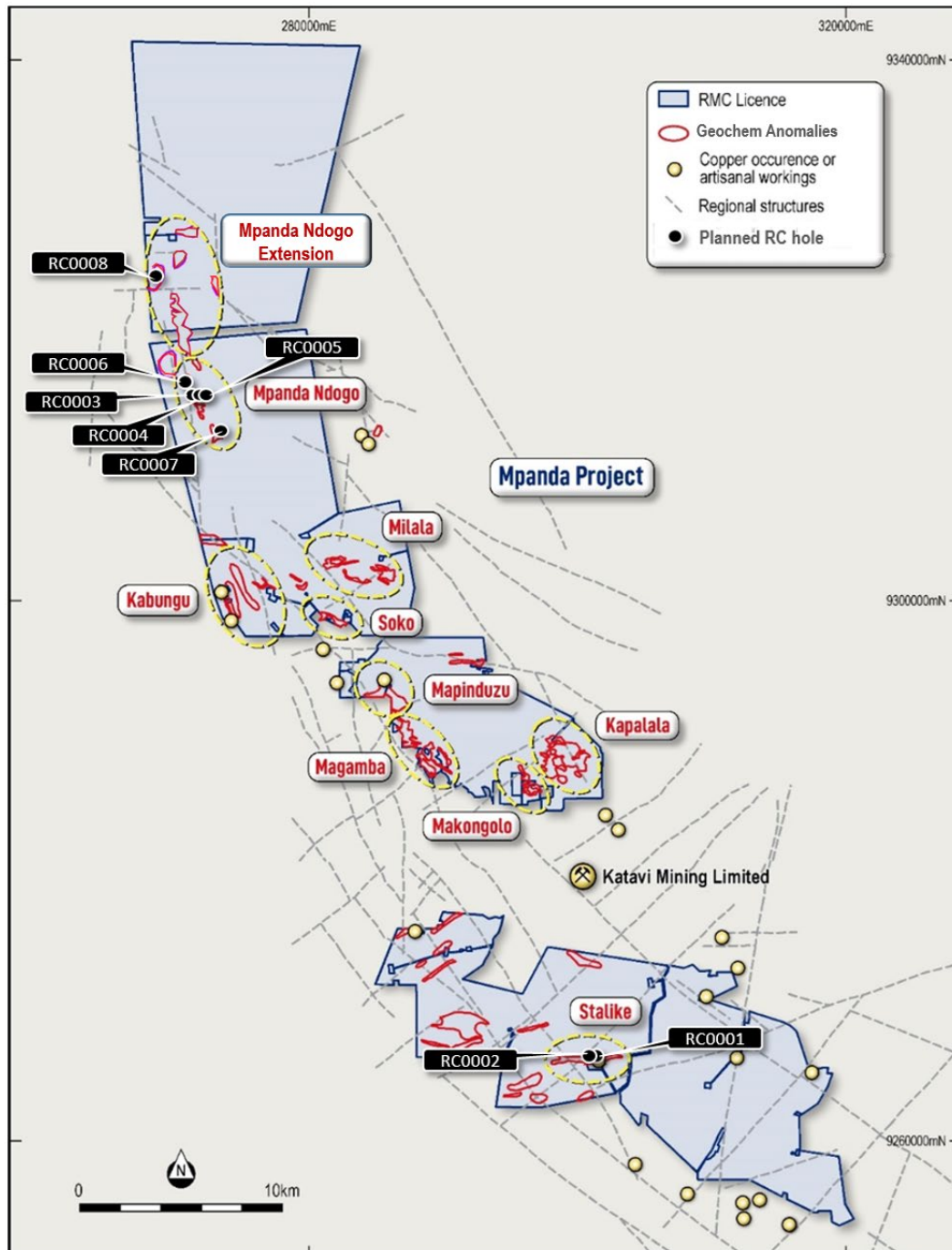
**Resource Mining Corporation Limited (ASX:RMI) ("RMC" or the "Company")** is pleased to announce that it will commence its inaugural drilling campaign at the highly prospective Mpanda Copper-Gold Project in Tanzania. Drilling is expected to commence mid next week with the completion of drilling within 2-3 weeks from commencement.

**Resource Mining Corporation's Executive Chairman, Asimwe Kabunga, said:** "Exploration results to date at the Mpanda Copper-Gold Project have been outstanding and have provided the Company with numerous high-grade Copper-Gold targets. To build on this momentum the company has defined an RC drill program to test these targets and we have high expectations for positive results."

<sup>1</sup> <https://katavimining.com/>

This inaugural drilling will be carried out in parallel with ongoing geological field mapping, trenching and auger drilling, to locate additional high-grade targets for the current works or future programs."

A drilling contract has been signed with JICL Drill Ltd to commence the inaugural RC drilling program within the Mpanda Cu-Au Project. The program will consist of 12-14 RC drill holes of 70-100m depth, testing numerous high-grade prospects defined by soil, auger, trench, geological mapping, channel, and rock sampling (Figure 1).



**Figure 1. Mpanda Project Anomalies and the initial eight (8) RC drill hole locations.**

The initial two (2) RC drill holes will be located within the **Stalike** Cu anomaly. The drill holes will test an area under and adjacent to shallow artisanal workings which were collected vertically from an opened pit wall with the basal rocks being **highly mineralised and grading 5m @ 1.1% Cu (including 1m @ 2.3% Cu)**<sup>1</sup>.

A further six (6) RC drill holes have been planned based on results of large auger drilling, trenching and detailed geological mapping programs at the **Mpanda Ndogo** anomaly. In the central portion of the prospect two (2) drilled auger holes produced a last metre sample ending in **highly elevated Cu values** (0.20-0.21% Cu) as well as numerous grades in excess of 500ppm at the base of auger drilling along a 200m width. This provides significant support for the soil anomaly and the presence of mineralised basal rocks underlying this Cu anomaly. Trenching within the prospect has provided both significant geotechnical information as well as confirmatory anomalous Cu grades increasing to depth within all trenches completed above soil anomalies<sup>2</sup>.

RMC has the ability to extend the program into other prospects that are still undergoing auger drilling and trenching test work.

High grade Cu results from rock samples (**6.9% Cu**)<sup>2</sup> along the southern portion of the **Kabungu Prospect** are also being followed up by auger drilling and trenching.

In addition, well-defined, highly developed soil anomalies in the **Magumbu and Kapalala Prospects** are being tested by auger drilling, and if confirmed, trenching will be completed so as to define the structural information required for exploration drill hole placement. A total of four to six (4-6) further RC drill holes could be planned and completed within these prospects during this drill campaign.

Drilling is expected to be completed by early July with assay results available a further 3-4 weeks later due to the use of a registered Tanzanian laboratory for all results. Further drilling and exploration programs will be defined from the results of the drilling program and ongoing exploratory works.

**This ASX announcement has been authorised for lodgment by the Board of Resource Mining Corporation Limited.**

<b>For further information, contact</b>	<b>For investor or media inquiries, contact</b>
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<sup>1</sup> Refer to ASX announcement dated 1 May 2024 "More High Grade Copper-Gold Assays at Mpanda Cu-Au Project, Tanzania"

## About Resource Mining Corporation

The strategic intent of Resource Mining Corporation (ASX:RMI) is to establish a long term business model based on mineral development delivering consistent shareholder value whilst operating in a sustainable way within the community and environment in which we operate.

RMC is currently exploring for critical minerals namely Copper and Nickel in Tanzania and Lithium in Finland. In Tanzania, RMC has two projects exploring for Copper-Gold and four projects focussed on Nickel occurrences in sulphides within known and prolific mafic and ultramafic intrusions. In Finland, RMC has two projects focussed on the exploration of Lithium.

Tanzanian Projects	Finnish Projects
<p style="text-align: center;"><b><u>Copper-Gold</u></b></p> <ul style="list-style-type: none"> <li> <b>Mpanda and Mbozi Projects</b>            Both projects are located within the Ubendian Orogenic Belt, a major source of Ni, Cu and Au resources within Tanzania.         </li> </ul> <p style="text-align: center;"><b><u>Nickel</u></b></p> <ul style="list-style-type: none"> <li> <b>Kabanga North Nickel Project</b>            Situated along strike from the Kabanga Nickel Project, which has an estimated mineral resource of 58mt @ 2.62% Ni, or nickel equivalent grade of 3.14% (including cobalt and copper)<sup>2</sup>.         </li> <li> <b>Kapalagulu Project</b>            32km mapped mafic/ultramafic sequence with historical reports noting nickel, PGE and copper anomalism.         </li> <li> <b>Kabulwanyele Project</b>            The project is located in the Mpanda District of Tanzania covering approximately 20.5 square kilometres.         </li> <li> <b>Southern Projects (Liparamba, Kitai, Mbinga)</b>            Previously explored by BHP/Albidon and Jacana Resources.         </li> </ul>	<p style="text-align: center;"><b><u>Lithium</u></b></p> <ul style="list-style-type: none"> <li> <b>Hirvikallio Lithium Project</b>            Initial exploration works completed by GTK across the project's area identified approximately 25 km<sup>2</sup> with pegmatite dykes returning promising results including 5m @ 2.30% Li<sub>2</sub>O and 2m @ 1.33% Li<sub>2</sub>O<sup>3</sup>.         </li> <li> <b>Kola Lithium Project</b>            Located in the most significant lithium- mining region of Finland, and directly south of Keliber's flagship Syväjärvi and Rapasaari deposits.         </li> </ul>

The Board has strong ties to Tanzania, Chaired by Asimwe Kabunga, a Tanzanian-born Australian entrepreneur who was instrumental in establishing the Tanzania Community of Western Australia Inc. and served as its first President.

## Competent Persons Statements

<sup>2</sup> Refer to ASX announcement dated 9 May 2022 including the Competent Person Statement disclosed, and [Glencore Resources and Reserves as at 31 December 2019](#). The Mineral Resource Estimate is broken down into the following classifications – 13.8mT @ 2.49% Ni Measured, 23.4mT @ 2.72% Ni% indicated & 21mT @ 2.6% Ni inferred. RMC does not have any interest in the Kabanga Nickel Project.

<sup>3</sup> Refer to ASX Announcement dated 7 June 2022 "Nickel and Lithium Tenements under Exclusive Option" including the disclosed Competent Person Statement.

Information in this announcement that relates to Exploration results and targets is based on, and fairly reflects, information compiled by Mr. Mark Gifford, a Competent Person who is a Fellow of the Australian Institute of Mining and Metallurgy. Mr. Gifford is an independent consultant for Resource Mining Corporation Limited. Mr. Gifford has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Gifford consents to the inclusion of the data in the form and context in which it appears.

Where the Company references Mineral Resource Estimates previously announced, it confirms that it is not aware of any new information or data that materially affects the information included in those announcements and all material assumptions and technical parameters underpinning the resource estimates with those announcements continue to apply and have not materially changed.

### **Forward Looking Statements**

Some of the statements appearing in this announcement may be in the nature of forward looking statements. You should be aware that such statements are only predictions and are subject to inherent risks and uncertainties. Those risks and uncertainties include factors and risks specific to the industries in which the Company operates and proposes to operate as well as general economic conditions, prevailing exchange rates and interest rates and conditions in the financial markets, among other things. Actual events or results may differ materially from the events or results expressed or implied in any forward- looking statement. No forward looking statement is a guarantee or representation as to future performance or any other future matters, which will be influenced by a number of factors and subject to various uncertainties and contingencies, many of which will be outside the Company's control.

The Company does not undertake any obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions or conclusions contained in this announcement. To the maximum extent permitted by law, neither of the Company's Directors, employees, advisors or agents, nor any other person, accepts any liability for any loss arising from the use of the information contained in this announcement. You are cautioned not to place undue reliance on any forward-looking statement. The forward-looking statements in this announcement reflect views held only as at the date of this announcement.

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