



**Tolu Minerals Limited**  
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Papua New Guinea  
Company Registration No.: 1-125888

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ARBN: 657 300 359

15 April 2024

## Corporate Presentation

The Directors of Tolu Minerals Limited ("Tolu", ASX:TOK, OTCQX:TOLUF) are pleased to release an updated Corporate Presentation.

*Authorised for release by the CEO and Managing Director.*

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**TOLU MINERALS**

**ASX:TOK, OTCQX:TOLUF**

ARBN 657 300 359

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## **Tolukuma Project**

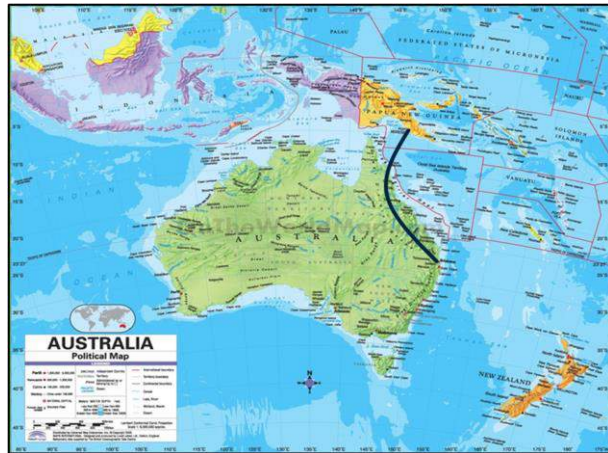
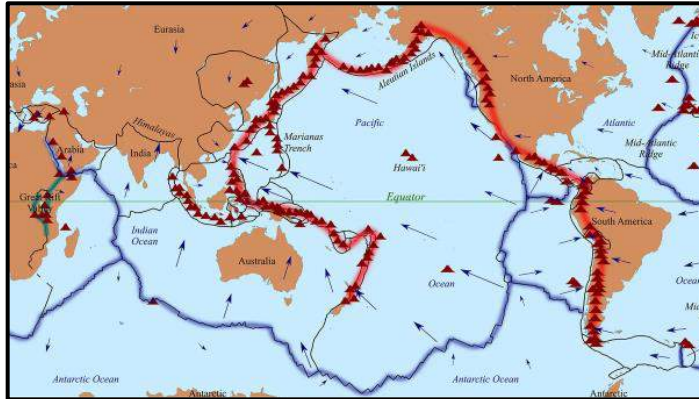
Iain Macpherson

April 2024

This document is not a prospectus and does not contain all of the information that an investor may require in order to make an informed investment. All geological data presented in this document, including, but not limited to, rock-chip samples and historic drilling results are included in the Prospectus and/or the Independent Geologists Report and ASX Market Releases available on the Company's and/or the ASX's website.

# Tolukuma Gold Mine: Papua New Guinea

- PNG is located on the Pacific Ring of Fire. It is host to:
  - Prolific gold/copper mineralisation
  - Many operating mines



- 100km as the crow flies from Port Moresby
- 60 km as the crow flies from the main North-South Hiritano Highway
- 35 km as the crow flies from Bakoiudu on the Tapini Road

- Straightforward logistics:
  - Due North of Australia
  - On shipping lanes with good harbour facilities at Port Moresby and Lae
  - Daily 3 hour flight between Brisbane and Port Moresby

**Geologically prospective and logistically simple**

# Tolukuma Gold Mine

- Fully self-contained mine with 20 years' high-grade gold & silver operating history – circa 1 moz produced at 15g/t Au recovered
- Significant Mineral Resource Estimate in place
- Huge exploration upside both on and adjacent to the mine and also on the broader Tolukuma Structure
- Strong team in place and being expanded



***Charts a path to a new Tier 1 gold mine***

## Operational Plan:

- Refurbish the mine and infrastructure to support Tolu's growth objectives
  - Road
  - Hydroelectric power
  - Bottom entrance
- Grow the Mineral Resource
- Seek to recommence production in the near term
- Investigate scale opportunities

## Tolu's vision:

- Refurbish the mine and infrastructure to support Tolu's growth objectives
- Build a much larger scale producer on the back of a substantial high-grade resource
- Define and develop potential gold/copper porphyry deposits

# Tolukuma Structure – c. 1,500km<sup>2</sup> Exploration Upside

7 exploration licenses on strike and parallel mineralised structures to Tolukuma gold mine

Additional EL application underway and a number of further targets

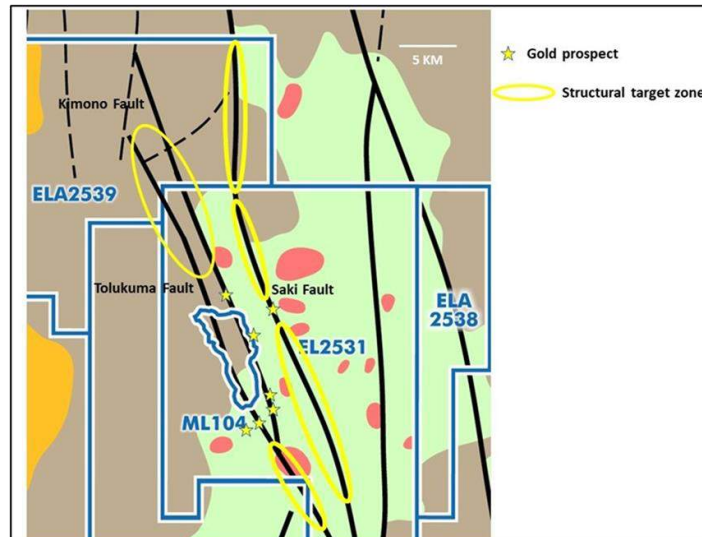
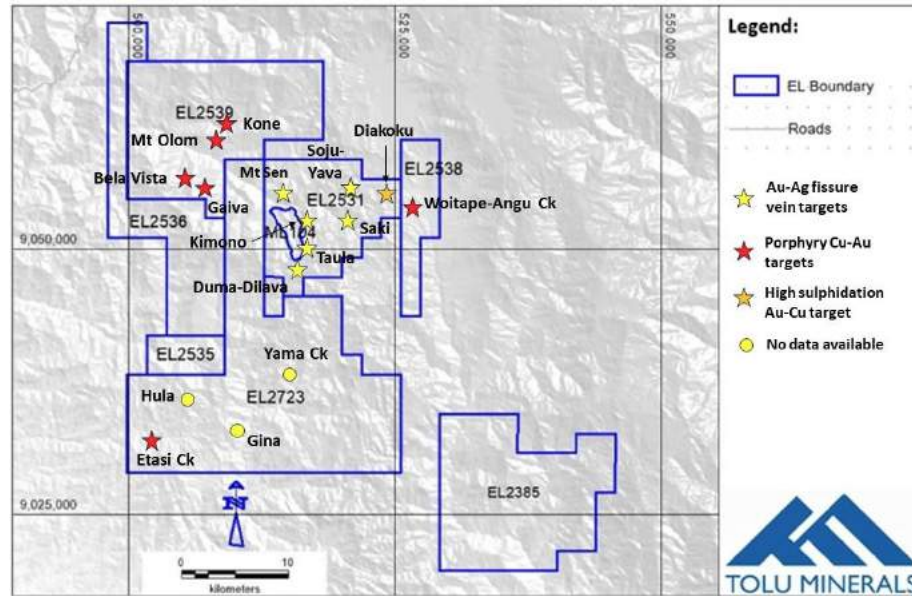
Building a material mineral resource pipeline around Tolukuma

Potential for a major discovery on identified mineralised structures as well as entirely new parallel structures

## Next Steps:

- prioritise targets – underway
- recommence exploration including mapping, geophysical and geochemical exploration and drilling on close, known and identified targets - underway
- definition of new large gold zones - underway
- pinpoint porphyries for further exploration - planned

**Post-IPO work has suggested the strong possibility of accelerated exploration and return to production**

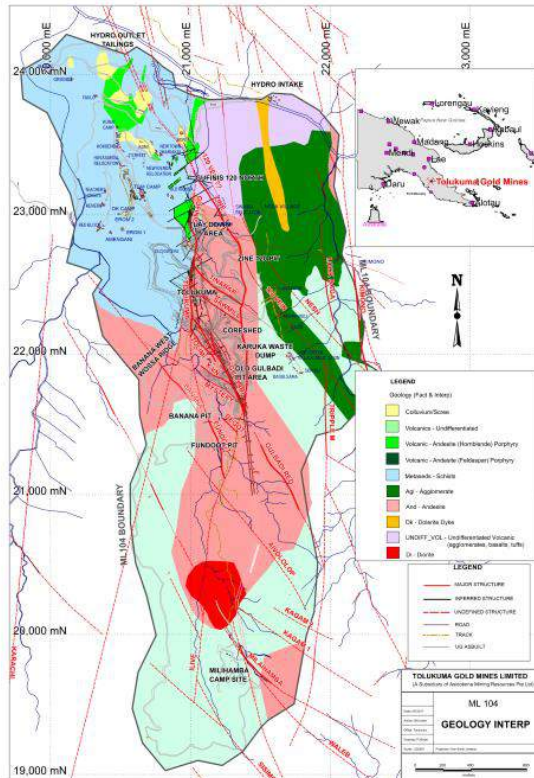
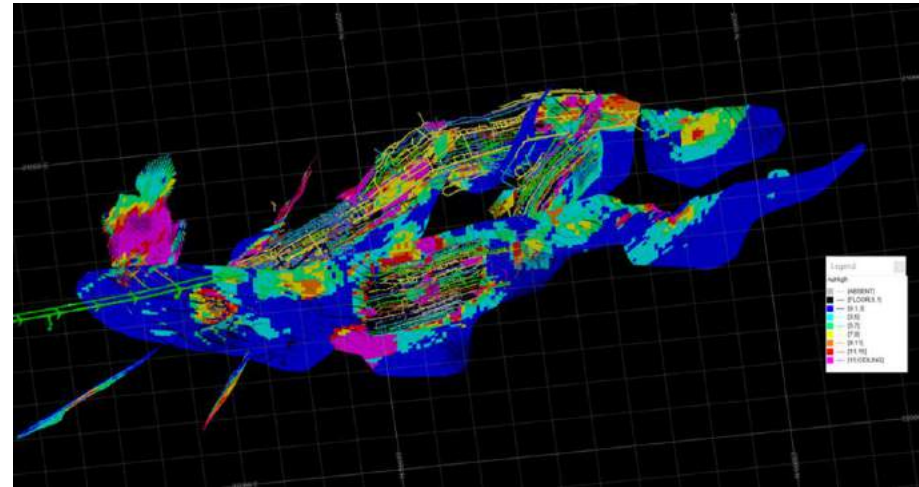


**Dominant footprint on the highly prospective gold/copper Tolukuma Structure**

# Tolukuma Mineral Resource Estimate

AMC reported an Inferred Mineral Resource as of 18 August 2022:<sup>1</sup>

- 1.6 M tonnes @ 10 g/t Au and 38 g/t Ag
- Contained metal 503 Koz Au and 1.9 Moz Ag
- Cut – off grade 3 g/t



Domain	Tonnes (t)	Au (g/t)	Ag (g/t)	Au (oz)	Ag (oz)
Zine	488,000	9	43	146,000	673,000
Zine PK Splay	7,000	35	145	8,000	33,000
Tolukuma	140,000	9	27	40,000	121,000
Tinabar	55,000	13	42	23,000	74,000
Gulbadi	343,000	10	27	114,000	294,000
Gulbadi Red	115,000	8	19	29,000	69,000
120 Vein	56,000	5	15	8,000	28,000
Fundoot	212,000	13	59	91,000	403,000
Gufinis	149,000	7	39	31,000	187,000
Mystery	45,000	9	46	13,000	67,000
<b>Total</b>	<b>1,610,000</b>	<b>10</b>	<b>38</b>	<b>503,000</b>	<b>1,950,000</b>

Source: AMC, Oct 2022 Independent Geologists Report

1 – For further information regarding the development of this estimate, refer to the Independent Geologist's Report annexed to the Prospectus. Tolu confirms that it is not aware of any new information or data that materially affects the information included in the AMC Report and that, as far as Tolu is aware, all material assumptions and technical parameters underpinning the estimates in the AMC Report continue to apply and have not materially changed.

**Recently updated MRE with proven mining history**

# Near Tolukuma Mine: Gold Prospects

Based on the MRE tonnes and grades, extension of the Tolukuma vein system 2km to the SSE, grades of the Miliahamba prospect drilling, grades from drilling at Taula, Sisimonda and Kimono, grades and tonnage of the Saki Inferred Resource and trench sampling grades from the broader Saki-Yava-Soju-Salat system of gold veins, Tolu Minerals have developed an Exploration Target of 2 to 3 Moz Au grading 8 to 11 g/t Au\* – December 2023, below

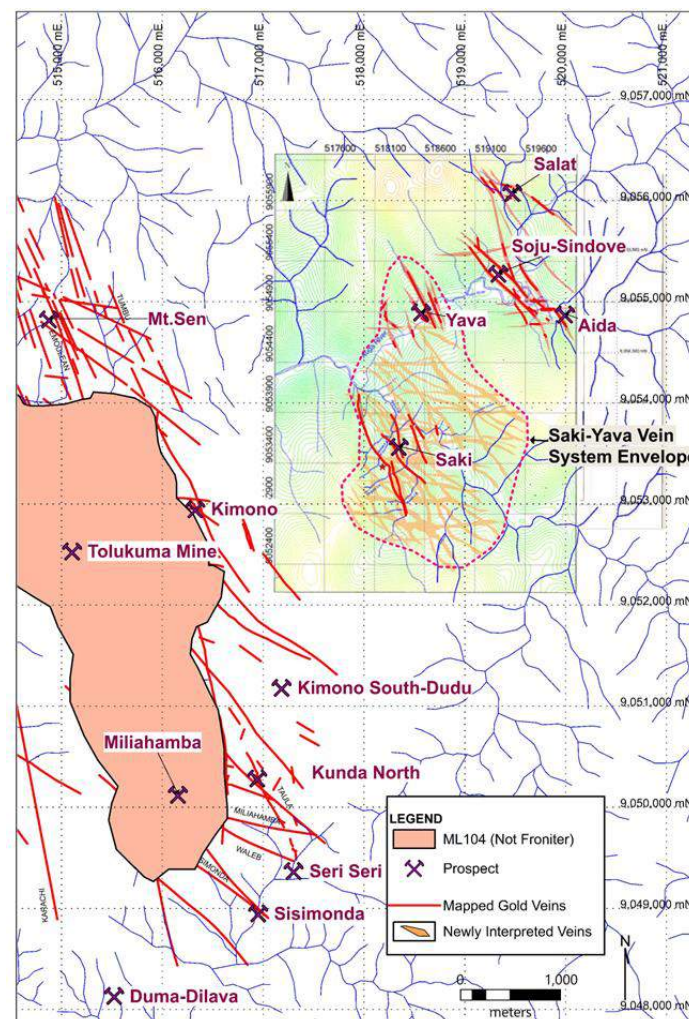
Tolukuma Project Gold Exploration Target – December 2023						
Project	Deposit	Rank	Low (tonnes)	High (tonnes)	Low (Gold)	High (Gold)
Tolukuma	Tolukuma	High	7,800,000	8,500,000	8.0 g/t	11.0 g/t
	Tolukuma South					
	Miliahamba					
	Taula					
	Kimono					
Saki-Yava-Soju-Salat						
<b>Totals</b>			<b>7,800,000</b>	<b>8,500,000</b>	<b>8.0 g/t</b>	<b>11.0 g/t</b>

## Competent Person Statement:

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by or compiled under the supervision of Peter Swiridiuk - Member of the Aust. Inst. of Geoscientists. Peter Swiridiuk is a Technical Consultant and member of the Tolu Minerals Ltd. Advisory Board. Peter Swiridiuk has sufficient experience which is relevant to the type of mineralisation and type of deposit under consideration to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code of Reporting Exploration Results, Mineral Resources and Ore Resources. Peter Swiridiuk consents to the inclusion in the report of the matters based on the information in the form and context in which it appears. Additionally, Mr Swiridiuk confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this report.

## \*Cautionary Statement:

The Exploration Target for the Tolukuma gold project, describing the potential quantity and grade, is conceptual in nature. There has been insufficient exploration completed to estimate a Mineral Resource for all target areas reported and it is uncertain if further exploration will result in the estimation of further Mineral Resources.



Source: ASX Announcement dated 11 December 2023

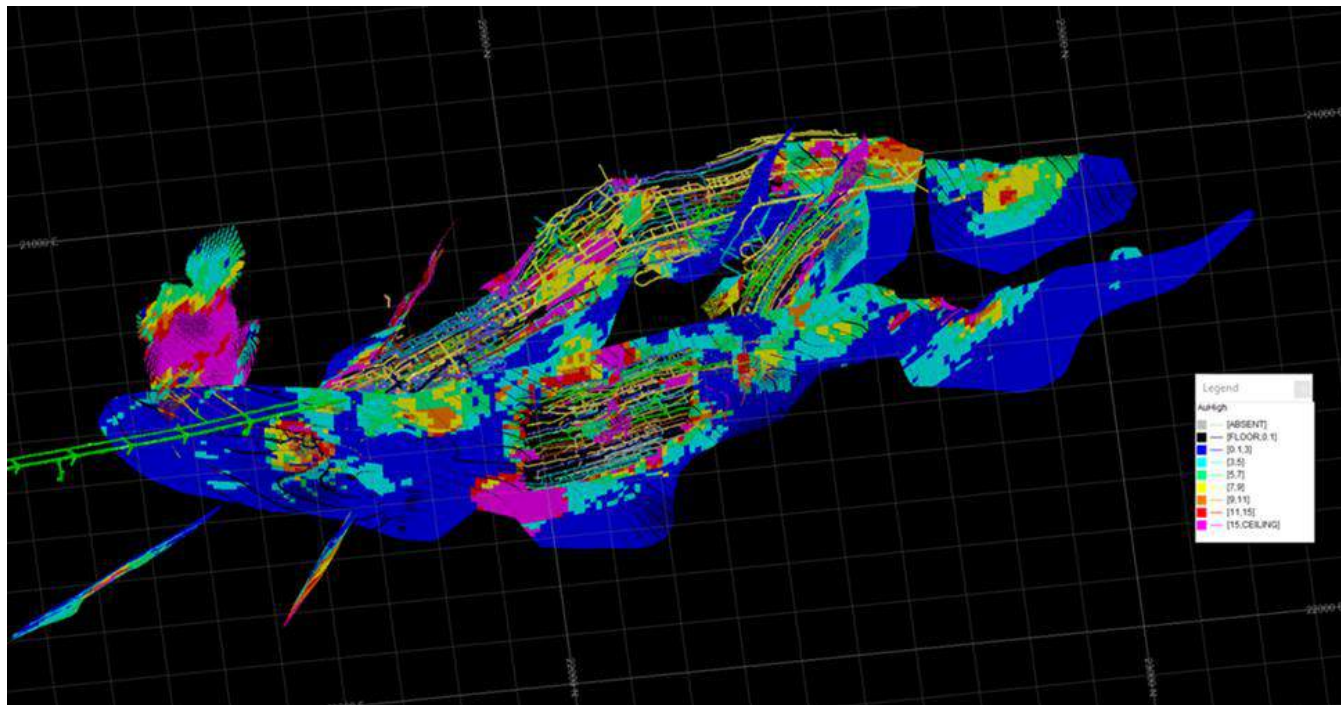
**Scale Potential**

# Tolukuma Project – Resource conversion

Three main areas above the current water level have been identified as being most appropriate for the initial resource upgrade:

- Tinabar Top, +1563m RL: 16.87 g/t @ 5g/t cut off
- Zine Top, +1563m RL: 13.16 g/t @ 5g/t cut off
- Gulbadi: 12.04 g/t @ 5 g/t cut off

Based on proven mining practice at Tolukuma and subject to completion of successful Resource upgrade and expansion, Tolu will target a medium-term return to production



*Ultimately targeting a return to high grade production*



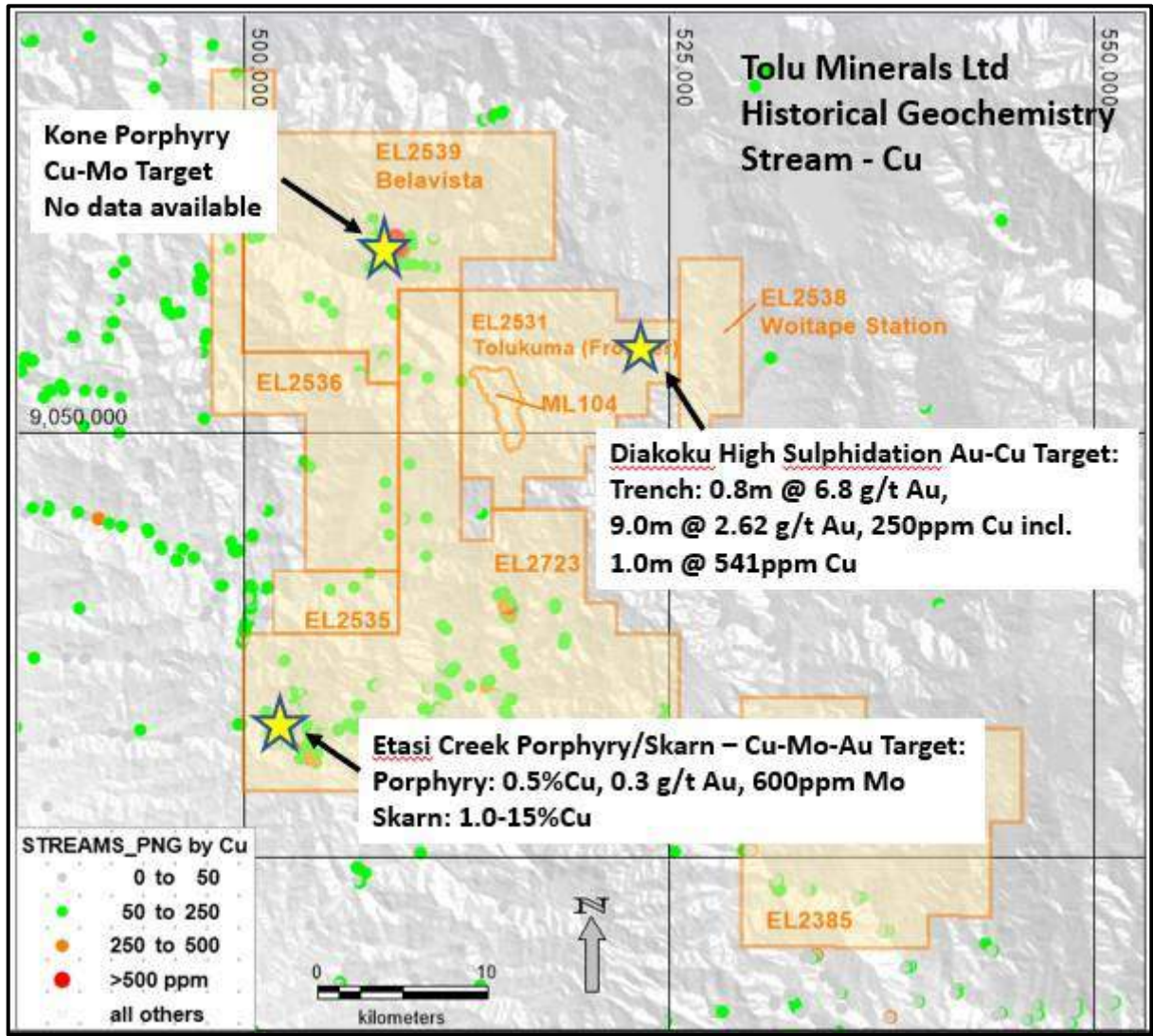
# Tolukuma Gold Mine – Access Road

- Complete the remaining 23 km of the 70 km access road connecting the mine to the Tapini road and Port Moresby;
- Strong community and government support
- Work commenced in December after the completion of the IPO;
- The contractor is an experienced and credible civils group;
- Expected completion mid-2024.



**Cost game changer**

# Tolukuma Project – historical copper showings



*Copper – for the future*

# Mt Penck

204 km<sup>2</sup> epithermal gold/silver project on the prolific Kulu-Simi trend, adjacent to the coast with good logistics

- +11,000 m drilling
- Aeromag and IP geophysical surveys
- Extensive trenching and pitting

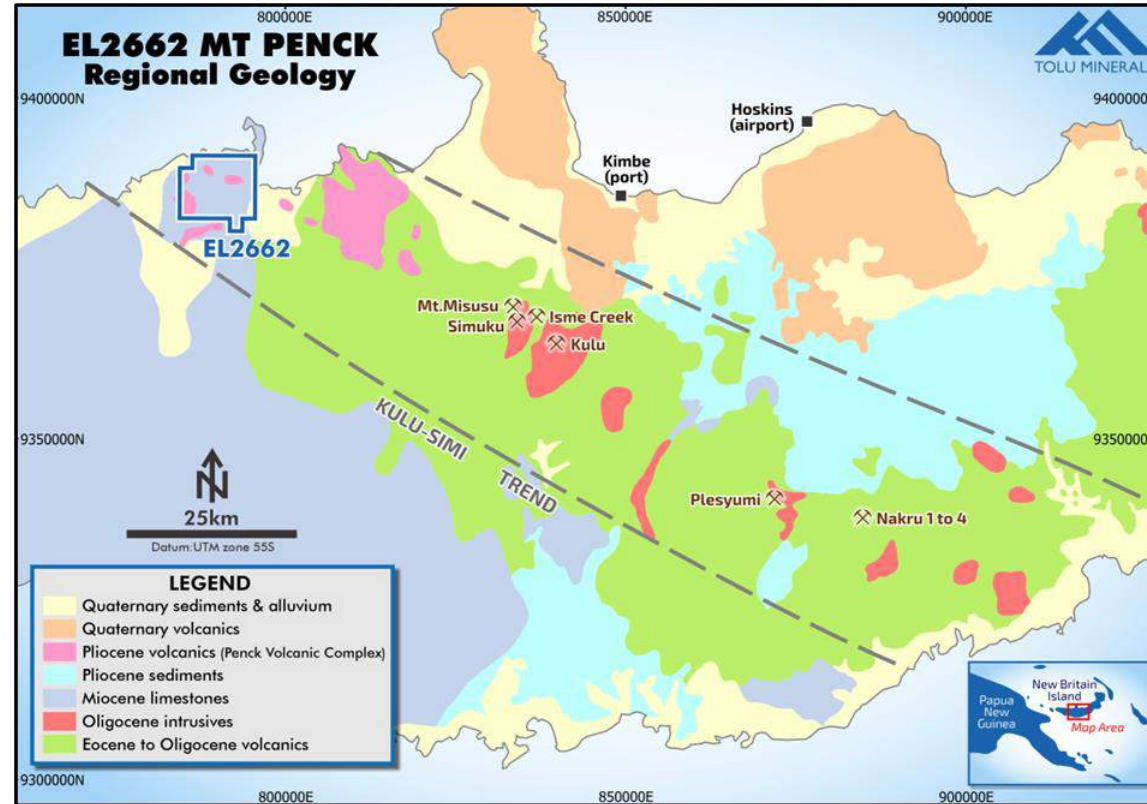
3 priority targets identified within a broader 12km<sup>2</sup> hydrothermal zone

- Main targets so far identified: Kavola/Kavola East; Koibua; and Peni Creek
- Most of the drilling is centred around Kavola East

Two principal styles of mineralisation:

- Broad zones 10m to > 50m, lower grade 1 – 3 g/t, stockwork mineralisation generally at depths of 50 to 167m
- Narrow zones 0.5m to 3.0m but grades >10 g/t intersected by drilling at depths of 5m to 170m, interpreted as feeder structures that channel the mineralising fluids from depth

**Possible material, mineral development project in its own right**



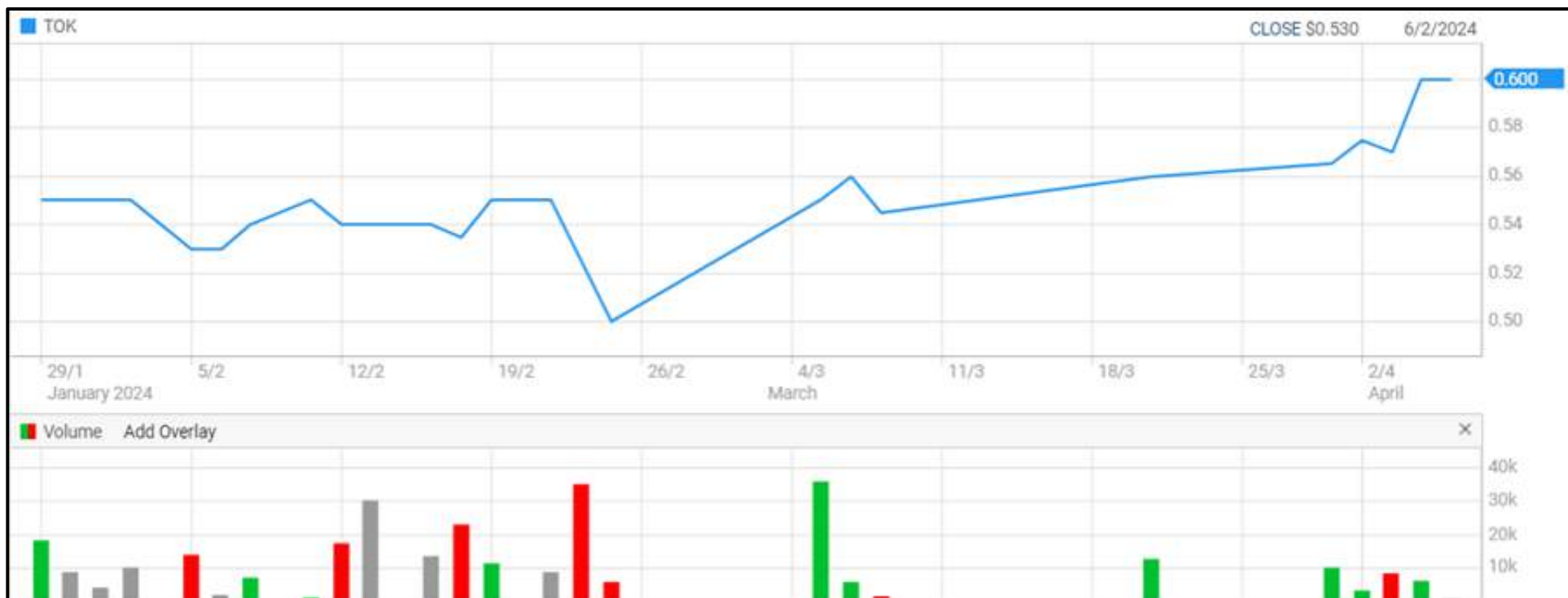
# USE OF FUNDS

Use of Funds	0 to 6 months		6 to 12 months		12 to 18 months	
	Minimum Subscription	Maximum Subscription	Minimum Subscription	Maximum Subscription	Minimum Subscription	Maximum Subscription
	A\$	A\$	A\$	A\$	A\$	A\$
Pilot access service road	936,000	936,000	864,000	864,000	—	—
General mobilisation	587,000	1,010,000	500,000	500,000	42,000	42
Site roads	—	—	105,000	105,000	111,000	111,000
Hydroelectric refurbishment	—	—	—	—	—	212,000
Electrical refurbishment	741,000	1,449,000	270,000	270,000	362,000	362,000
Underground access	989,000	989,000	391,000	391,000	—	—
Underground works	71,000	71,000	212,000	212,000	—	—
Bulk sampling	—	481,000	—	759,000	—	107,000
Milihamba Exploration Drive and diamond drilling	—	—	377,000	377,000	754,000	1,253,000
Mineral resource development	—	—	442,000	442,000	295,000	295,000
Resource conversion	—	—	35,000	35,000	16,000	16,000
Tolukuma regional exploration	246,000	246,000	246,000	246,000	246,000	246,000
Mt Penck exploration	33,000	33,000	33,000	33,000	33,000	33,000
TMF studies	29,000	29,000	43,000	43,000	36,000	36,000
Off site	189,000	189,000	196,000	196,000	156,000	156,000
Frontier acquisition	500,000	500,000	—	—	—	—
Consultants	150,000	300,000	150,000	300,000	150,000	300,000
Working capital	854,000	1,207,667	854,000	1,207,667	854,000	1,207,666
Costs of the Offer	1,500,000	1,800,000	—	—	—	—
Costs of legal services	403,000	403,000	—	—	—	—
<b>Total</b>	<b>7,226,000</b>	<b>9,643,667</b>	<b>4,719,000</b>	<b>5,980,667</b>	<b>3,055,000</b>	<b>4,3666</b>

Source: Tolu Prospectus, August 2023

**Refurbishment underway and on target**

# ASX:TOK, OTCQX:TOLUF



- OTC quotation, which:
  - Broadens market exposure
  - Increases US participation
  - Broadens shareholder base
  - Increases company awareness and project progress

- Tolu have raised circa AU\$30 m:
  - AU\$11.3 pre-IPO @ AU\$0.37
  - AU\$17.3 IPO @ AU\$0.50
  - AU\$2.2 – stock component of road contract on completion milestones

Work commenced in December 2023

*In pursuit of a new Tier 1 gold mine*

# Contacts

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Indications of, and guidance on, future earnings and financial position and performance of the Company following the listing on ASX are forward-looking statements. As are statements containing the words "expect", "anticipate", "estimate", "intend", "believe", "guidance", "should", "could", "may", "will", "predict", "plan" and other similar expressions. Investors are strongly cautioned against placing undue reliance on forward-looking statements, especially considering the current economic climate and significant volatility, uncertainty and disruption caused by recent world events such as the COVID-19 pandemic and international hostilities and associated economic changes.



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The Company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred above and further confirms that all material assumptions underpinning the production targets and all material assumptions and technical parameters underpinning the Ore Reserve and Mineral Resource statements contained in those market releases continue to apply and have not materially changed.

# Disclaimer and Important Information



## **Competent Persons Statement**

The information in this presentation that relates to Exploration Results, Mineral Resources and Ore Reserves were last reported by the Company in compliance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred to above and further confirms that all material assumptions underpinning the production targets and all material assumptions and technical parameters underpinning the Ore Reserve and Mineral Resource statements contained in those market releases continue to apply and have not materially changed.

The information in this document that relates to Exploration Results and Mineral Resources for Mt Penck and Tolukuma Regional is based on information compiled by Mr. Hutchison who is a Member of the Australian Institute of Geoscientists. Mr. Hutchison is an independent geologist and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

The information in this document that relates to Tolu Minerals Ltd Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr. Carlson who is a Registered Professional Geoscientist (RPGeo), a Member of the AusIMM and a Fellow of the Australian Institute of Geoscientists. Mr. Carlson is a Principal Geologist of AMC Consulting Pty Ltd, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

The information in this document that relates to Exploration Targets for the Tolukuma project is based on information compiled by Mr. Peter Swiridiuk who is a Member of the Australian Institute of Geoscientists. Mr. Swiridiuk is an independent geologist and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

Any references to Tolu Minerals Limited exploration results should be read in conjunction with the competent person statements included in the ASX announcements referenced in this document as well as the Tolu Minerals Limited's other periodic and continuous disclosure announcements lodged with the ASX by Tolu Minerals Limited, which are available on Tolu Minerals Limited's website.

## **Authorisation**

This presentation was authorised by Iain Macpherson, Managing Director and CEO of Tolu Minerals Limited