

June 2025 | ASX:NIM

# Mons Project

A World-Class  
Gallium discovery





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## COMPETENT PERSON STATEMENT

The information contained in this report that pertain to Exploration Results, is based upon information compiled by Mr Fergus Jockel, a full-time employee of Fergus Jockel Geological Services Pty Ltd. Mr Jockel is a Member of the Australasian Institute of Mining and Metallurgy (1987) and has sufficient experience in the activity which he is undertaking to qualify as a Competent Person as defined in the December 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (the JORC Code). Mr Jockel consents to the inclusion in the report of the matters based upon his information in the form and context in which it appears.

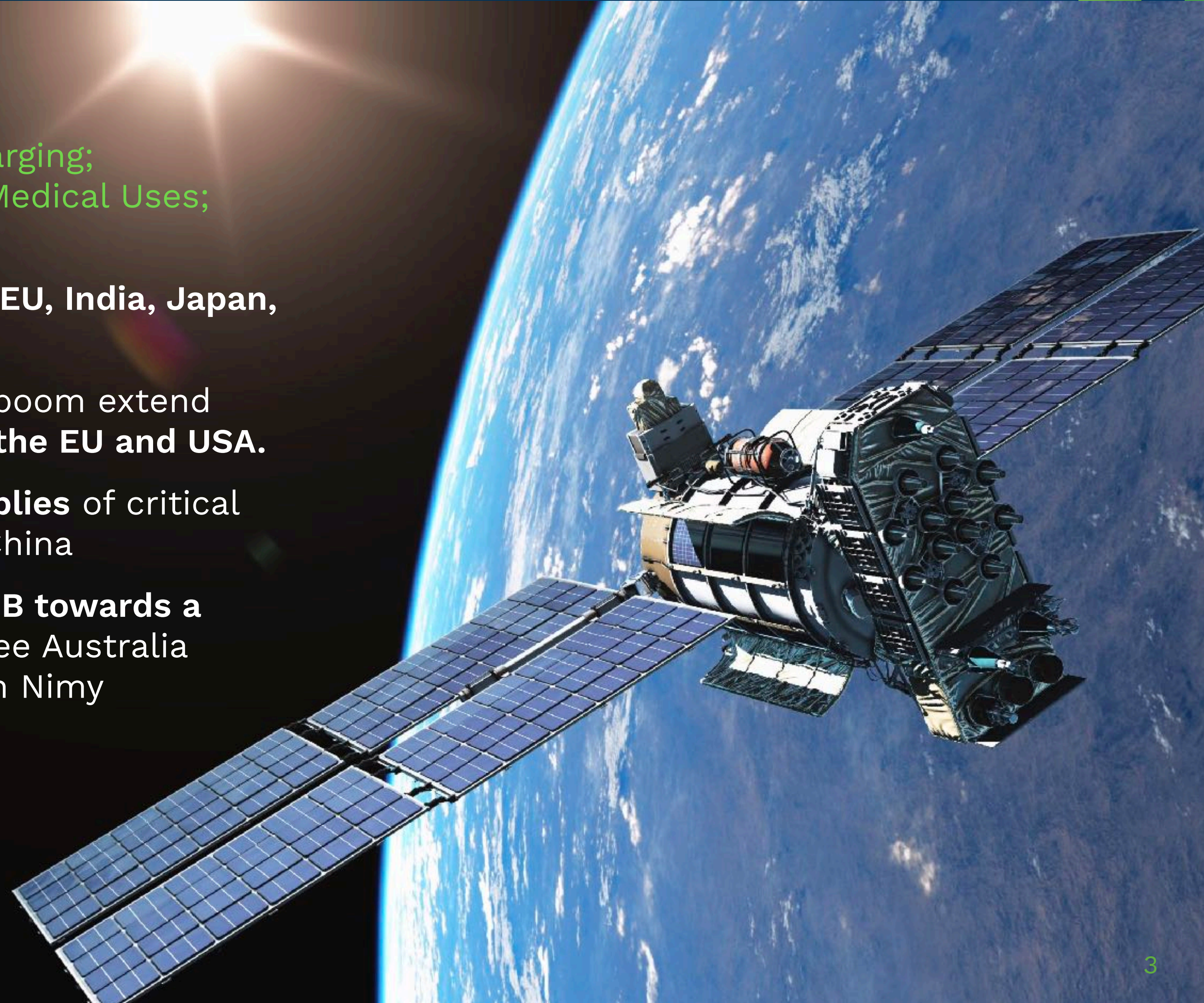
## MONETARY VALUES

Unless otherwise stated, all dollar values are in Australian Dollars (A\$). The information in this presentation remains subject to change without notice.



# Gallium — The most in demand critical mineral, globally.

- Gallium has a rapidly evolving world focus with exponential growth in the usage of: Semiconductors; 5G Technology; Power Charging; Green Technologies; Telecommunications; Medical Uses; Radar and Military Applications.
- Listed as a critical metal in Australia, USA, EU, India, Japan, Republic of Korea and the UK.
- Estimates of the coming military spending boom extend into hundreds of billions of dollars both in the EU and USA.
- Europe will need to secure substantial supplies of critical metals in markets currently controlled by China
- Australian government commitment of \$1.2B towards a strategic critical minerals reserve, could see Australia become a world critical minerals “hub” with Nimy Resources set to benefit given the strong and growing demand for gallium.





# Progress toward market – Investment Highlights

- **China produces in excess of 98% of the worlds Gallium** and has banned exports to the U.S, creating a worldwide shortage.
- The Nimy Resources **Mons Belt** is located within the Yilgarn Craton in Western Australia, a world class Tier 1 mining district.
- High-grade gallium discovered at Block 3 in April 2024, including **72m at 117g/t  $\text{Ga}_2\text{O}_3$  with a peak value of 1m @ 495g/t  $\text{Ga}_2\text{O}_3$**
- Follow-up drilling has confirmed extended depth and grade, initial exploration target released January 2025.
- Infill and step-out drilling completed June 2025 assays pending
- JORC compliant inferred resource commenced due October 2025.
- Metallurgical testing in process, flow sheet design underway
- **Collaborative agreements** signed into US and European markets.
- A small fraction of the target area drill tested +350 soil samples have delivered a mean of **30ppm  $\text{Ga}_2\text{O}_3$  increasing the target zone significantly, beyond the initial JORC exploration target area.**

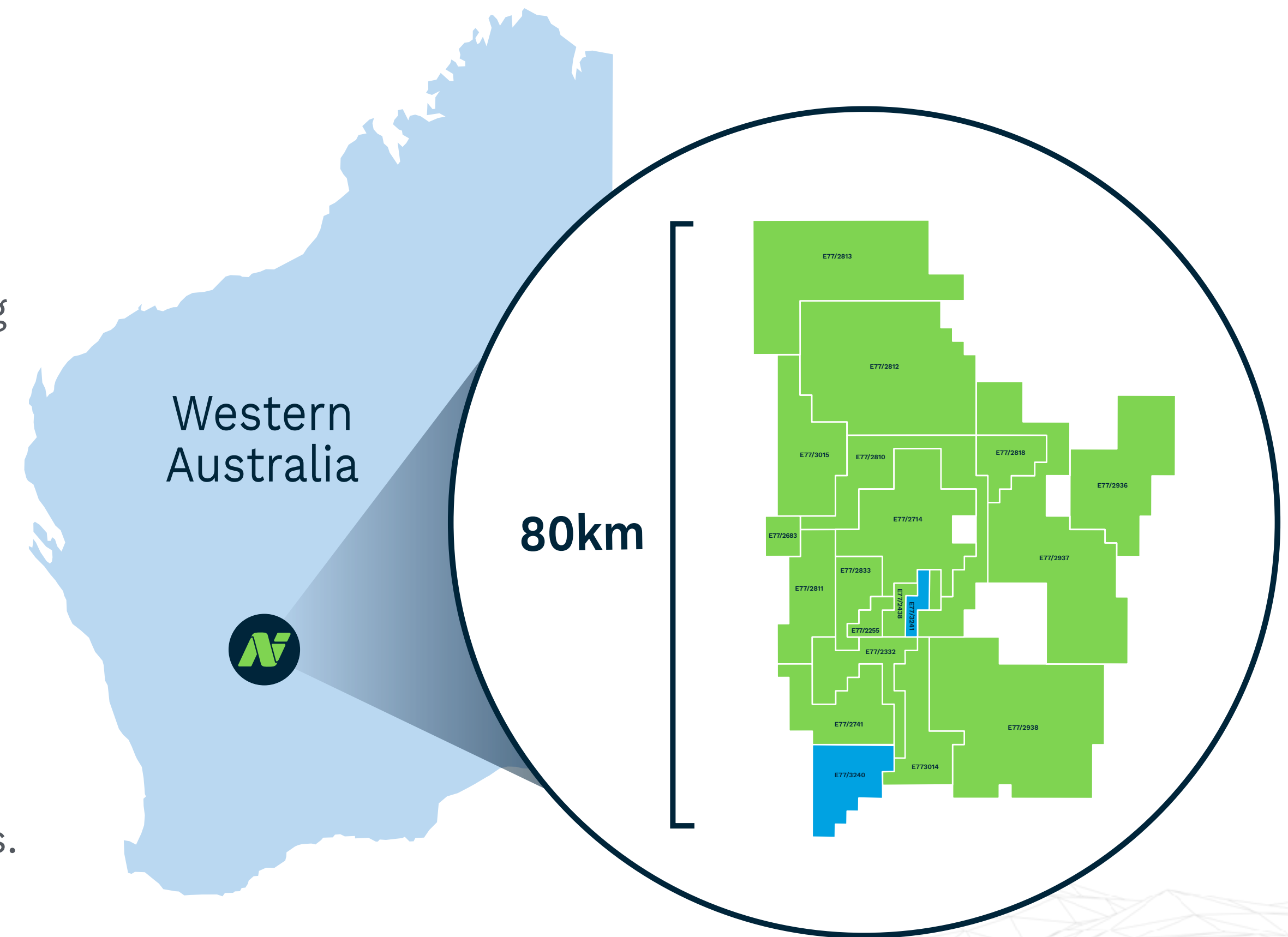


Figure 1 – Nimy Resources tenement package in Western Australia.



# NIMY Resources — Company snapshot and leadership team



**Neil Warburton**

NON-EXECUTIVE  
CHAIRMAN



**Luke Hampson**

MANAGING  
DIRECTOR



**Christian Price**

EXECUTIVE  
DIRECTOR



**Fergus Jockel**

HEAD OF  
EXPLORATION



**Dr John Simmonds**

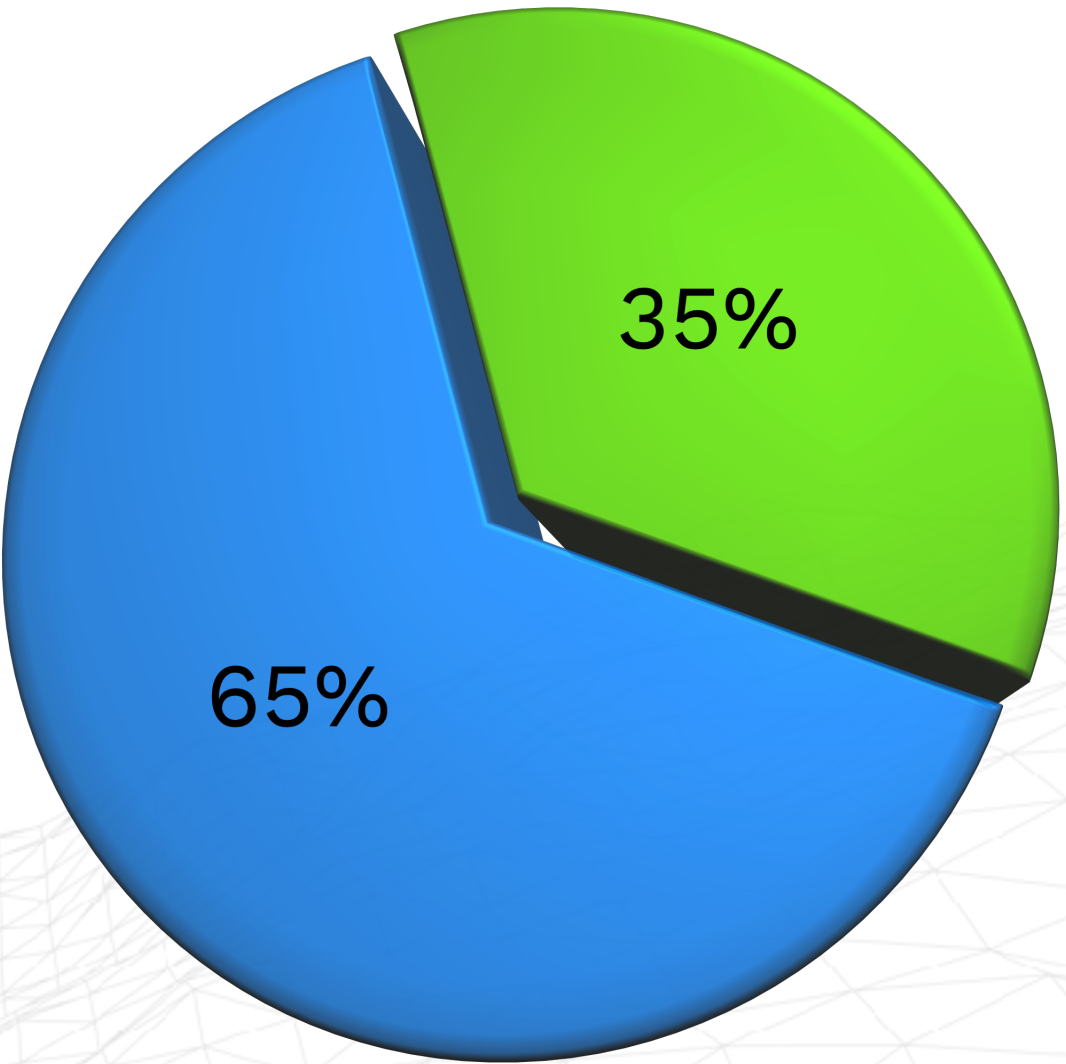
TECHNICAL ADVISOR  
- GEOLOGY

## Capital Structure 16/05/2025

Share Price	\$0.105c
52 Week Range	\$0.034 - \$0.185
Shares on Issue	208.12m
Unlisted Options	31.38m
Market Capitalisation	\$21.85m

## Shareholder Summary

- Directors and Management
- Other Holders





# Nimy Resources — M2i Global Collaborative Agreement

## Nimy Resources has:

- a **Collaboration Agreement with M2i in the US.** M2i is a company that specialises in the development and execution of complete global value supply chains for critical minerals particularly for the US government and the Defense Industrial Base.
- current and ongoing discussions with global partners with a view to collaborative, supply and off-take agreements.

**Our objective is to be a key gallium supplier given current Chinese export restrictions and exponential growth predicted for demand.**







## CSIRO – Mineral Indicator Study<sup>1</sup>

- Mineralogical characterisation of the Masson project – focusing on defining the Cu-Ni-PGE sulphide prospectivity
- Geological characterisation underway at Block 3 prospect with a focus on the gallium host lithology

1. CSIRO kick-start and mineral indicator study secured (ASX:NIM) – 19 November 2024



## Curtin MoU – Gallium Collaborative Agreement<sup>2</sup>

- Non-binding MoU to co-operate; for gallium-based research focusing on metallurgical recovery and flow sheet development and;
- Increase stakeholder mapping and engagement to secure external funding opportunities, including from US Sources

2. Curtin University signed MoU on Gallium related research (ASX:NIM) – 18 March 2025



## SRK Consulting – Gallium Inferred Resource Definition

- SRK Consulting have been engaged to undertake an Inferred Mineral Resource Estimate for the Block 3 Gallium Prospect post drill definition



# Block 3 East — Nimy an early mover: pathway to production

- Tenement package is approximately 3004km<sup>2</sup>, with only a fraction having been explored, **the possibility of additional rare earth, gallium, copper, nickel and other base metals discoveries is open ended.**
- **Nimy drilling has returned amongst the highest-grade gallium intervals in Australia** – (our research to date has shown no recent, comparative grade and intervals located across the world).
- **Multiple intervals of >100ppm gallium**, including **72m at 117ppm Ga<sub>2</sub>O<sub>3</sub>** intersected in early Nimy drilling.
- Approximately **3km x 1.5km target area defined, aided by over 350 soil samples with a mean of 30ppm Ga<sub>2</sub>O<sub>3</sub>** (peak soil value 47ppm Ga<sub>2</sub>O<sub>3</sub>), JORC exploration target limited to eastern portion of target area.
- **Nimy has signed a non-binding collaboration agreement with M2i Global Inc.** with a view to supplying gallium to the US Government and the Defense Industrial Base.

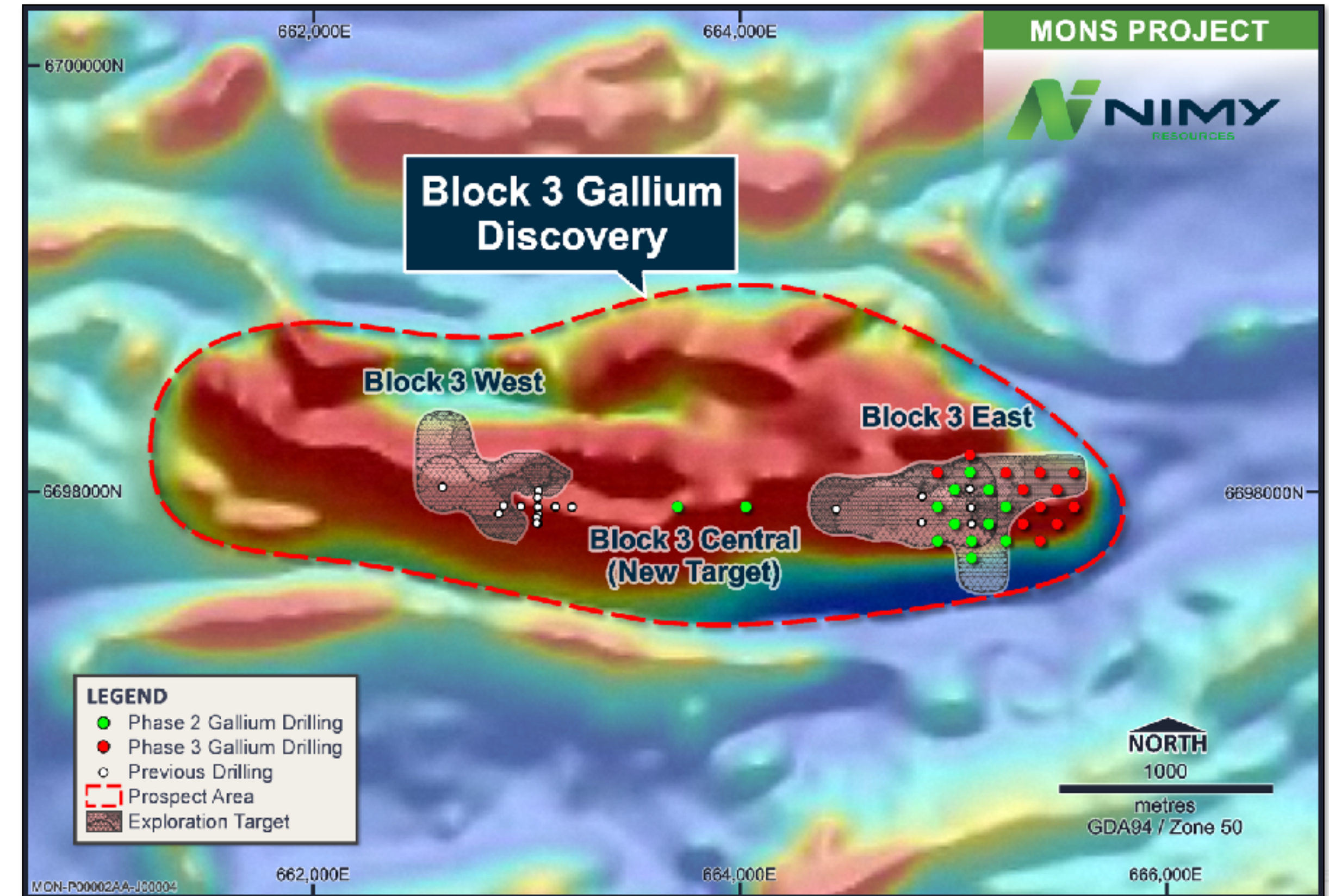


Figure 2 – Block 3 Discovery - Phase 2 and Phase 3 Planned Drilling.

(see ASX release “Drill Program Underway Targeting Maiden Gallium Resource May 15, 2025)

\*Source: researchandmarkets.com - Gallium Global Market Report  
2024 – January 2024



# Block 3 East — Gallium discovery drill results

- **RC hole NRRC0120** returned 240 metres (0-240m eoh) @ 50ppm  $\text{Ga}_2\text{O}_3$  including a zone of **52m @ 105ppm  $\text{Ga}_2\text{O}_3$** , peak value **1m @ 369ppm  $\text{Ga}_2\text{O}_3$** .
- **RC hole NRRC0121** returned 240 metres (0-240m eoh) @ 68ppm  $\text{Ga}_2\text{O}_3$  including a zone of **72m @ 117ppm  $\text{Ga}_2\text{O}_3$** , peak value **1m @ 495ppm  $\text{Ga}_2\text{O}_3$** .
- **Hole 24NRRC0128** returned **32m @ 102ppm  $\text{Ga}_2\text{O}_3$**  from 16-48m, peak value **4m @ 212ppm  $\text{Ga}_2\text{O}_3$**  (4m composite) from 32m.
- **Hole 24NRRC0129** returned **8m @ 102ppm  $\text{Ga}_2\text{O}_3$**  from 160m, peak value **4m @ 110ppm  $\text{Ga}_2\text{O}_3$**  (4m composite) from 160m.
- **Hole 24NRRC0130** returned **12m @ 99ppm  $\text{Ga}_2\text{O}_3$**  from surface, peak value **4m @ 127ppm  $\text{Ga}_2\text{O}_3$**  (4m composite) from 8m, and **8m @ 118ppm  $\text{Ga}_2\text{O}_3$**  from 84m peak value **4m @ 198ppm  $\text{Ga}_2\text{O}_3$**  (4m composite) from 88m.

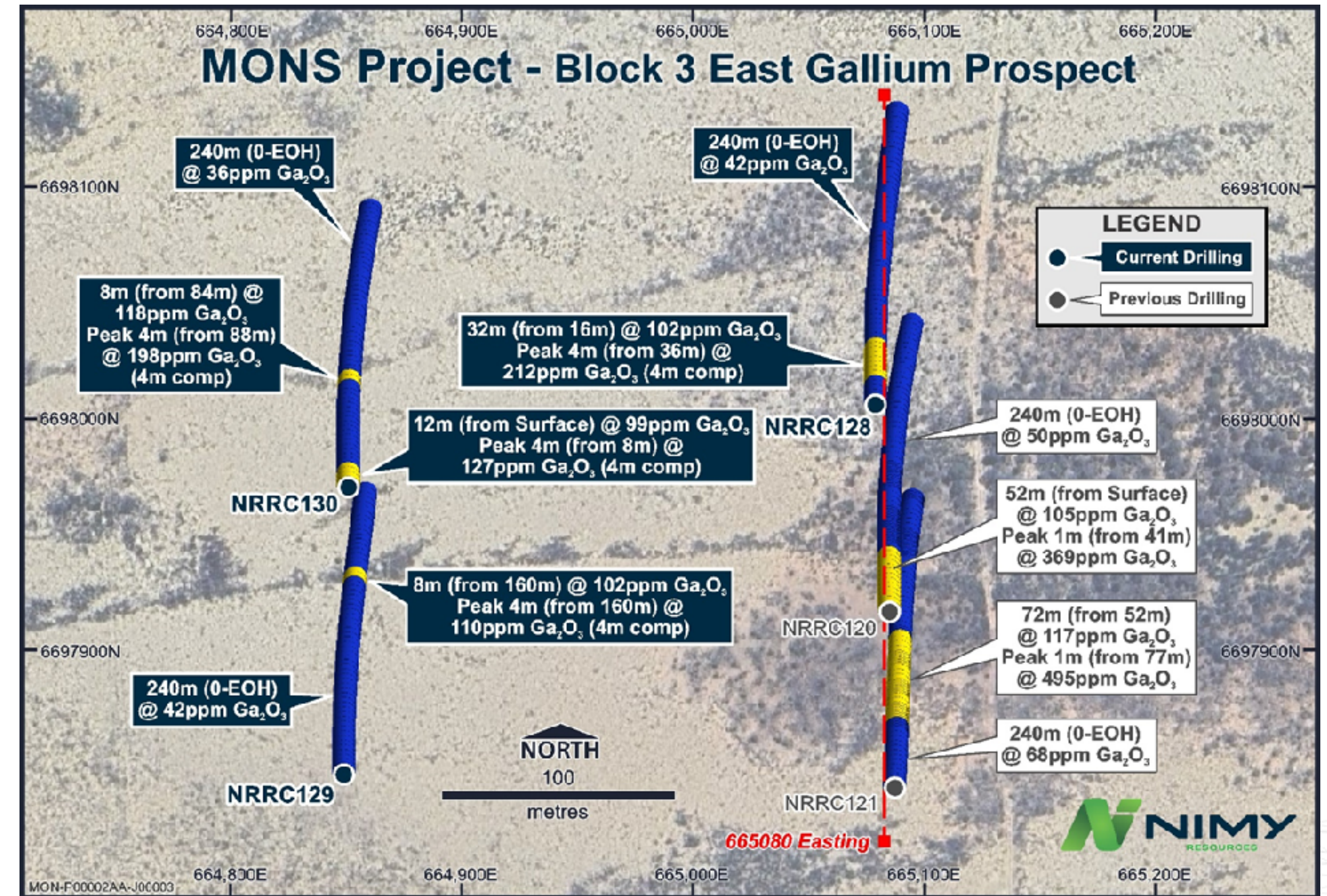


Figure 3 – Schematic view of latest drill holes at Block 3 East gallium prospect

Refer announcements NIM:ASX

Gallium soil anomaly extends high grade potential - 27/11/2024

High Grade Gallium extended at Block 3 - 9/10/2024



# Block 3 East — Building scale and grade

- **Block 3 high grade gallium prospect is open in all directions**, drill campaign designed, stepping out from drilled high grade zone and testing 400m west along strike.
- **Resistivity depth imaging (RDI)** identifies a **900m x 300m footprint** west along strike of Block 3 East, with coincident IP and soil anomaly.
- **Drilling designed to extend the +100g/t (ppm) gallium saprock & +150g/t (ppm) gallium high grade fresh rock zones.**
- **R/C drilling samples** to be utilised for **ongoing metallurgical test work** studies.
- **Technical studies to be undertaken** to test gallium extraction method advancing toward JORC mineral resources estimate.
- **Drill program has started and is expected to take three weeks with assays scheduled for later this quarter.**

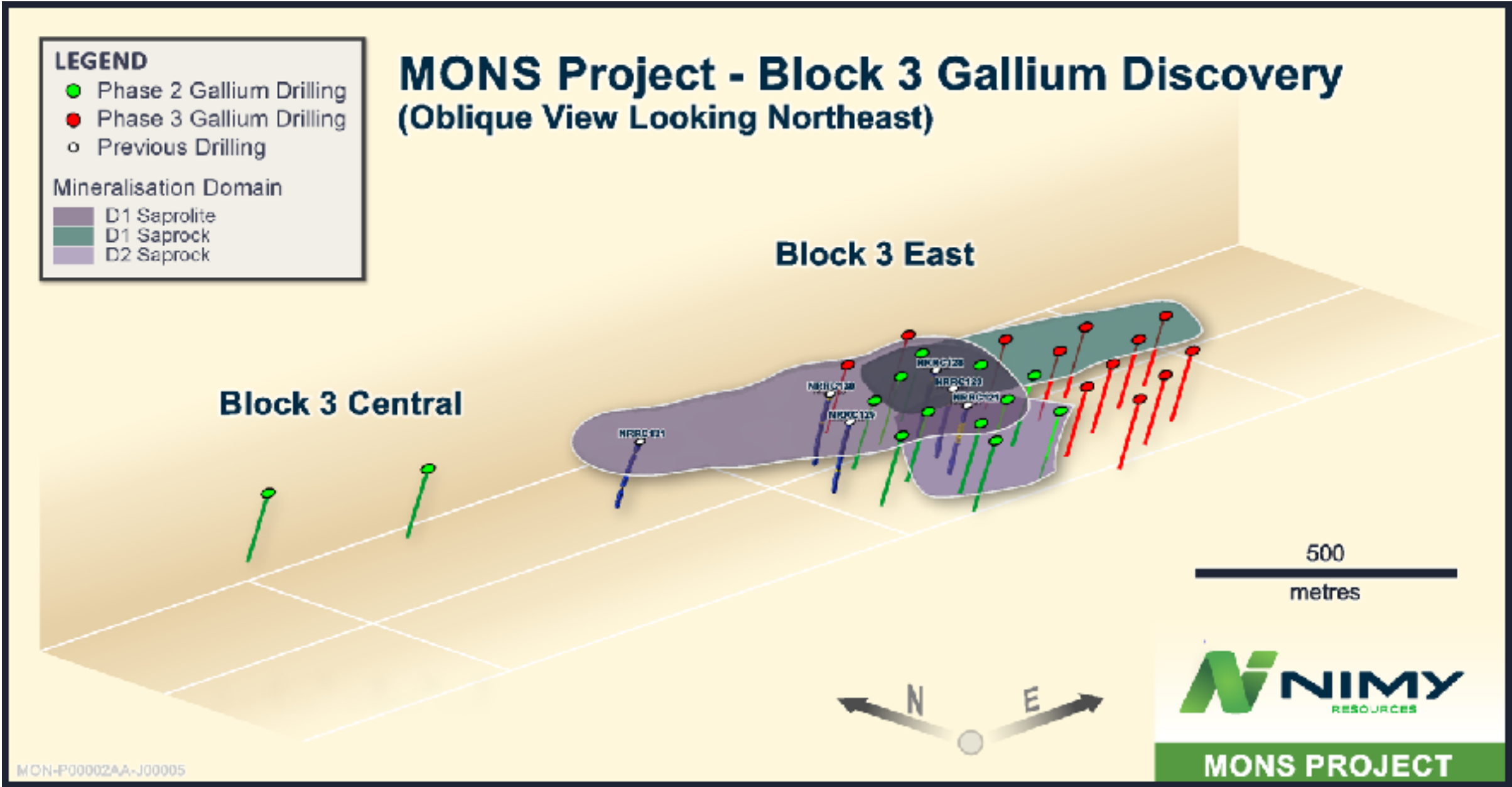


Figure 4 – Block 3 Discovery – Oblique view Phase 2 and Phase 3 drilling – step out and infill drilling.

Domain	Ga Grade Range (ppm)		Estimated Tonnes Range (Mt)	
	Low	High	Low	High
D1 Saprolite	22.8	58.5	5.9	7.9
D2 Saprolite	24.7	40.1	1.1	1.9
D1 Saprock	67.3	116.0	1.6	3.2
D1 Schist	104.2	122.5	1.0	1.3
Total Rounded	38.9	74.7	9.6	14.3

Table 1 – Gallium exploration target (see ASX release “Gallium Exploration Target Defined” - 28/01/2025)

**Cautionary Note:** The Exploration Target quantities and grades are conceptual in nature. Insufficient exploration has been conducted to estimate Mineral Resources, and it is uncertain if further exploration will result in the estimation of Mineral Resources. The Exploration Target has been prepared in accordance with the JORC Code 2012. A low end cut-of grade of 25ppm Ga was applied to the oxide saprolite, 50ppm Ga to the transitional saprock, and 100ppm Ga to the fresh schist over a 1m interval



# Block 3 East — Building favourable mineralogy

- **The study undertaken by CSIRO** characterised high-grade fresh rock samples from Block 3 Prospect, **confirming the presence of gallium mineralisation in a chloritised schist.**
- The mineralogy of the schists is relatively simple, comprising talc, chlorite, with minor amounts of quartz and amphibole. Preliminary compositional analyses indicate that chlorite is the primary host for gallium, **early estimates suggest gallium within chlorite ranges from 400 to 800 ppm.**
- The results are important because they will play a key role in the **first metallurgical tests, which are about to commence at Curtin University.**
- Curtin University will undertake metallurgical test work covering **ore characterisation, gallium recovery analysis, extraction methods,** and flowsheet development
- Drilling has outlined high-grade gallium over an area measuring 250m by 150m at Block 3. **The mineralisation remains open, and the host geology extends for several kilometres.**
- **Drilling and metallurgy results will underpin a maiden JORC Resource in 2025.**

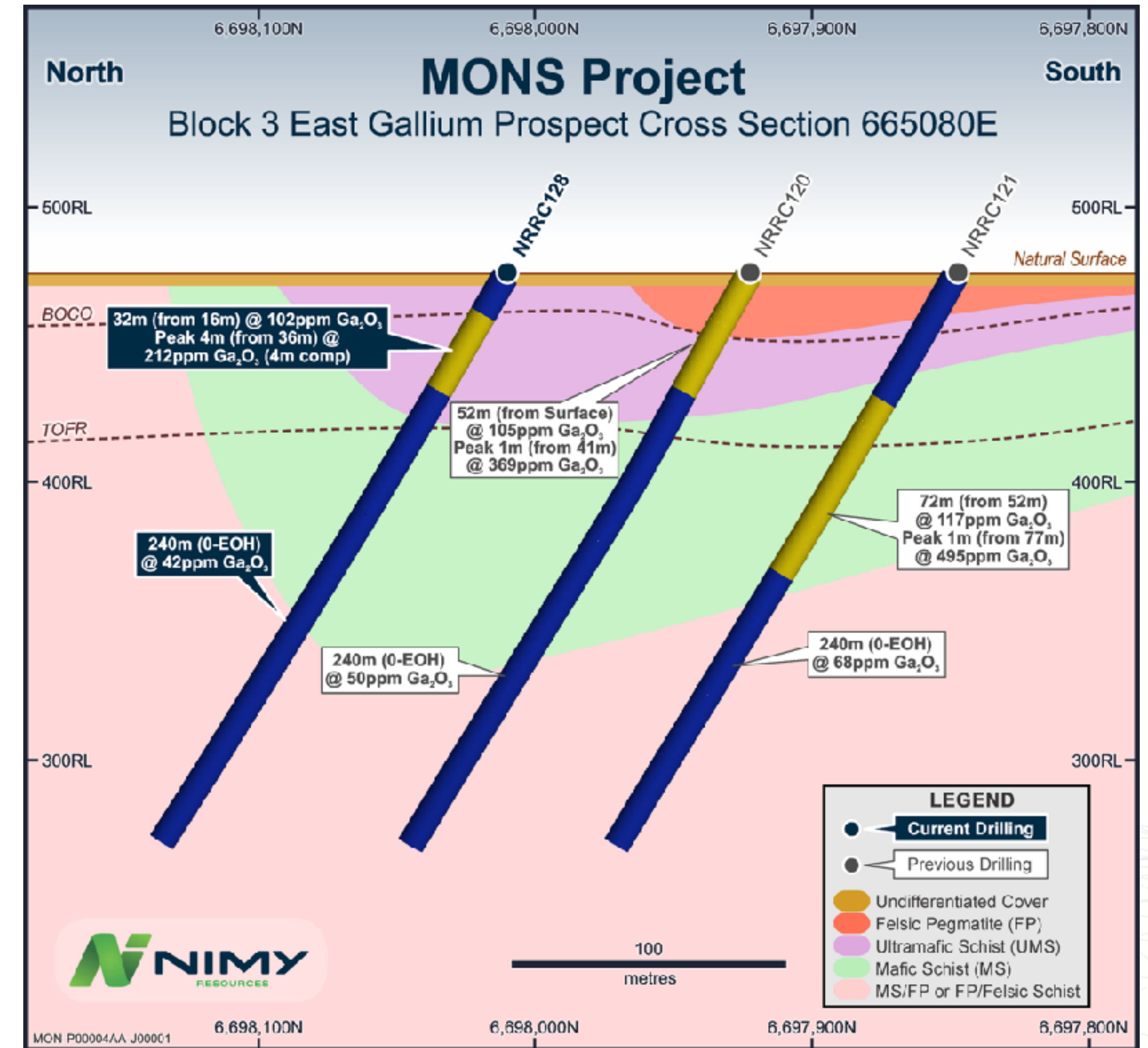


Figure 5 - Block 3 East - Drill Section NRRC121 76-79m interval.  
(see ASX release "High Grade Gallium extended at Block 3" – October 10, 2024)



# Block 3 East — Latest Assay results

- **RC hole NRRC0140** returned 240 metres (0-240m eoh) @ 63g/t Ga<sub>2</sub>O<sub>3</sub> including a zones of 12m @ 100g/t Ga<sub>2</sub>O<sub>3</sub> from surface; 36m @ 104g/t Ga<sub>2</sub>O<sub>3</sub> from 115m; 32m @ 107 Ga<sub>2</sub>O<sub>3</sub> from 200m, peak value 1m @ 462g/t Ga<sub>2</sub>O<sub>3</sub> from 202m.
- **RC hole NRRC0138** returned 240 metres (0-240m eoh) @ 35g/t Ga<sub>2</sub>O<sub>3</sub> including a zone of 24m @ 105g/t Ga<sub>2</sub>O<sub>3</sub> from 180m, peak value 1m @ 394g/t Ga<sub>2</sub>O<sub>3</sub> from 115m.
- **RC hole NRRC0137** returned 240 metres (0-240m eoh) @ 55g/t Ga<sub>2</sub>O<sub>3</sub> including a zone of 56m @ 101g/t Ga<sub>2</sub>O<sub>3</sub> from 60m, peak value 1m @ 285g/t Ga<sub>2</sub>O<sub>3</sub> from 115m.
- **RC hole NRRC0136** returned 240 metres (0-240m eoh) @ 57g/t Ga<sub>2</sub>O<sub>3</sub> including a zone of 20m @ 102g/t Ga<sub>2</sub>O<sub>3</sub> from 40m, peak value 4m @ 141g/t Ga<sub>2</sub>O<sub>3</sub> from 56m.

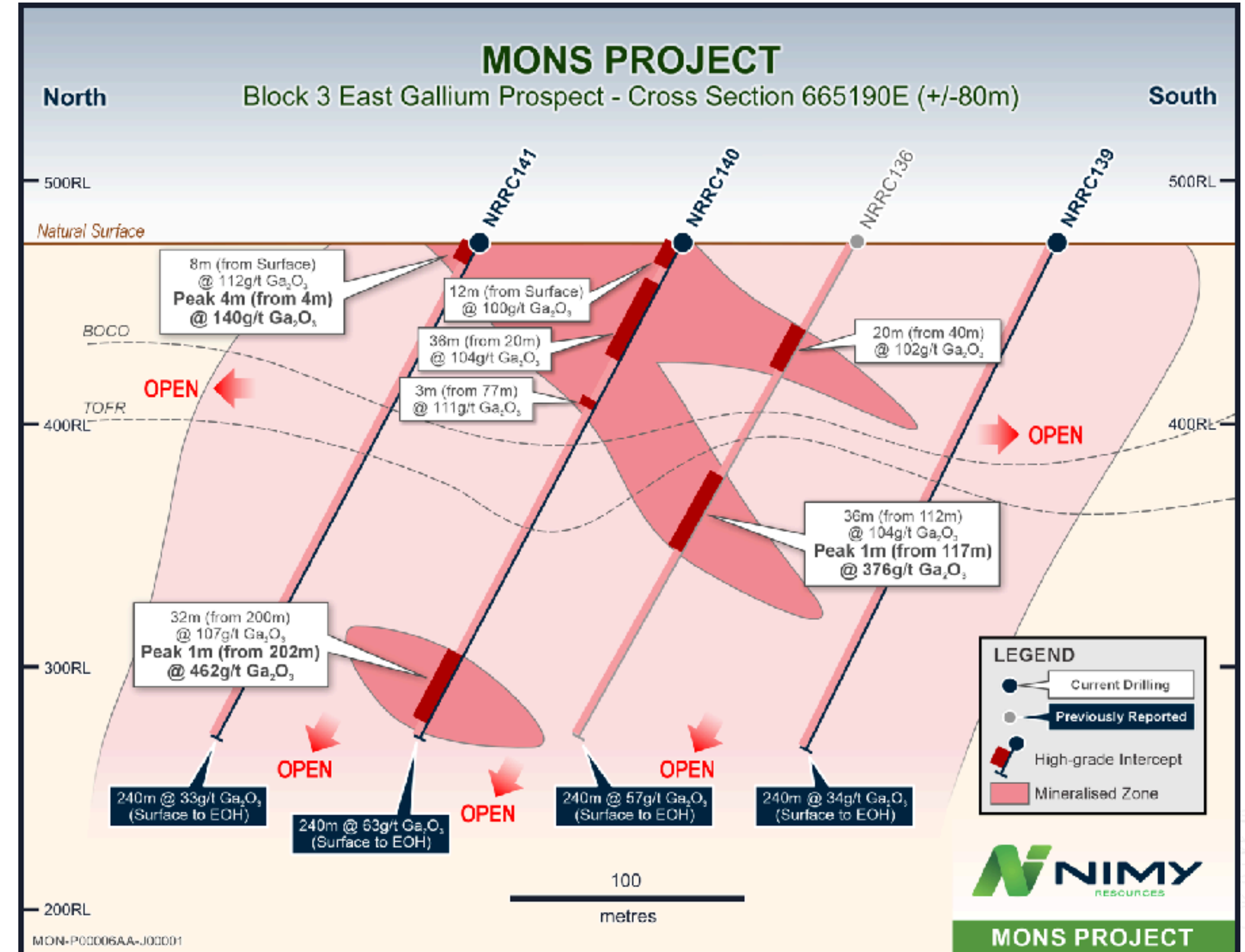


Figure 5 - Block 3 East - Drill Section NRRC121 76-79m interval.  
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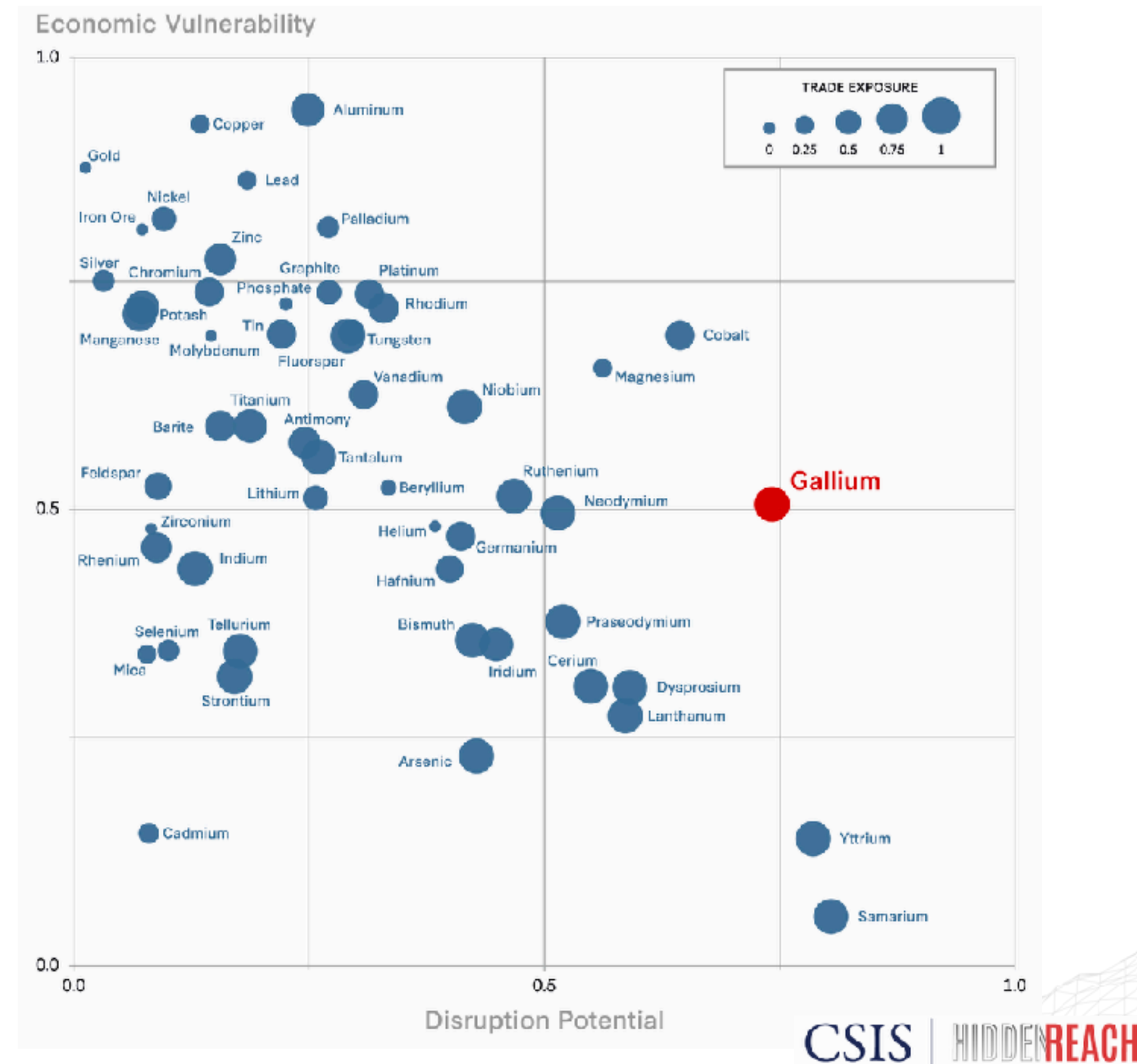


# Gallium — Rapidly growing demand

## Economic Vulnerability & Disruption Potential:

- The **Review and Revision of US Critical Minerals List 2021**, gallium is precarious in both disruption potential and economic vulnerability.
- **China total ban** on exports of gallium to the US has heightened both measures.
- **Increased applications for gallium** with Military applications, semiconductor production, the proliferation of advanced technologies has added to supply pressures.
- **Governments** in Europe, US and Asia are **seeking secure supplies** for future Defence and Economic Security.

## Critical Minerals Commodity Supply Risk Assessment



**Note:** The disruption potential (horizontal axis), economic vulnerability (vertical axis), and trade exposure (point size) are the inputs used by the USGS to calculate the overall supply risk. **Source:** Adapted from Nedal T. Nassar and Steven M. Fortier, Methodology and Technical Input for the 2021 Review and Revision of the U.S. Critical Minerals List, Open-File Report 2021-1045 (Reston, VA: 2021, USGS), <https://doi.org/10.3133/ofr20211045>.

## Uses and Applications:

- Multiple applications;
- Radar & Aerospace systems;
- Semiconductors;
- Data centres;
- 5G technologies;
- Telecommunications;
- Power Charging;
- Medical applications;
- Power devices;
- Consumer electronics;
- Green technology applications.



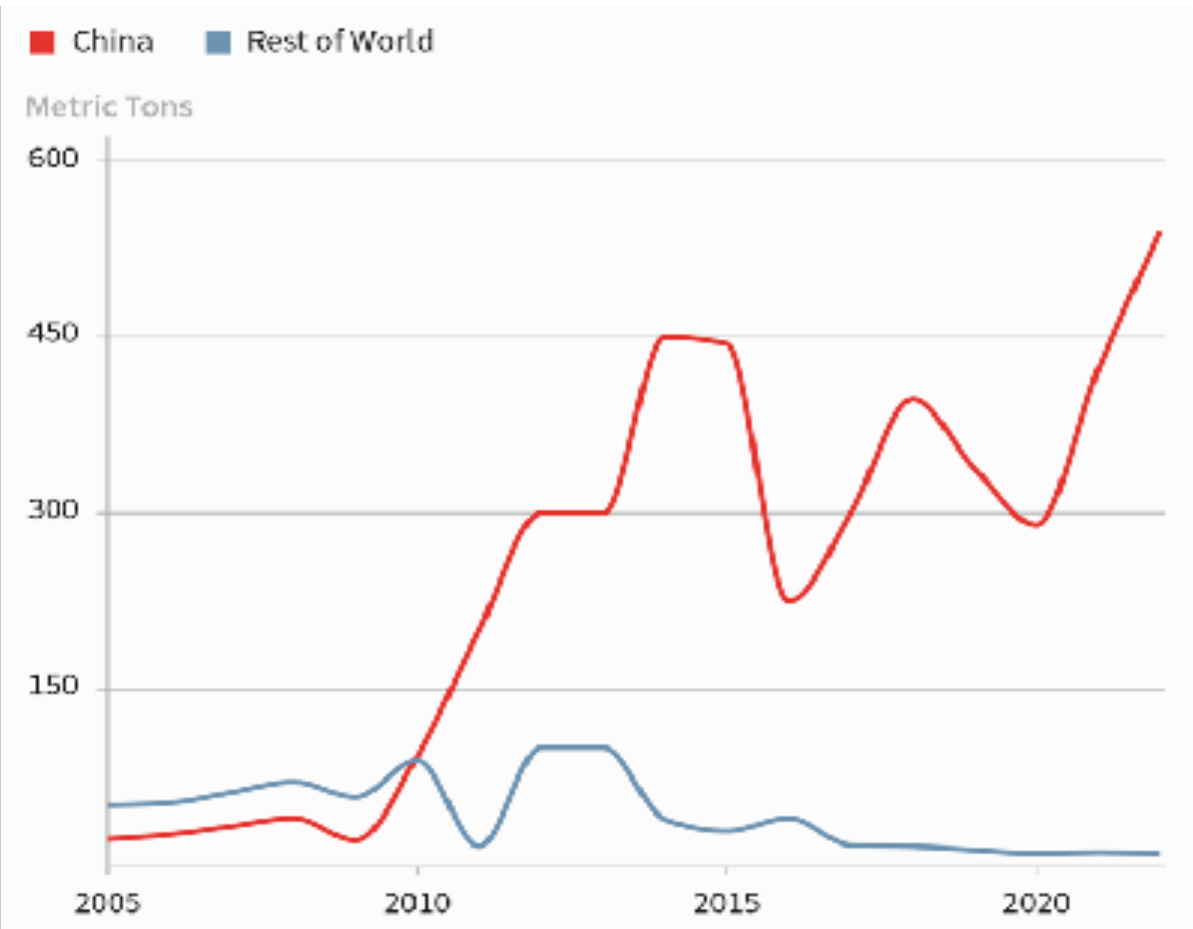
# Gallium — Global supply and market factors

## List of NATO defence critical raw materials:

Aluminium	Beryllium	Cobalt
Gallium	Germanium	Graphite
Lithium	Manganese	Platinum
Rare Earth Elements	Titanium	Tungsten

[NATO - News: NATO releases list of 12 defence-critical raw materials, 11-Dec.-2024](#)


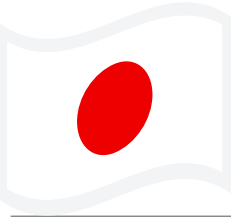


## Global Primary Gallium Production



Source: "Gallium Statistics and Information," National Minerals Information Center, USGS

CSIS | HIDDEN REACH

## Gallium production and refining

	<b>Russia</b>	5 Tonnes (1%)
	<b>Japan</b>	3 Tonnes (0.5%)
	<b>Korea</b>	2 Tonnes (0.5%)
	<b>China</b>	<b>600 Tonnes 98%</b>

## Outlook

- The demand for gallium is expected to grow, driven by the expansion in military and radar applications, semi-conductor, 5G technology, renewable energy infrastructure.
- **A restriction of supply, already enacted has increased the strategic importance of a reliable source.**

“China Imposes Its Most Stringent Critical Minerals Export Restrictions Yet Amidst Escalating U.S.-China Tech War

Market faces **uncertainty due to supply constraints from China's export controls**, underscoring the metal's strategic importance in the global economy. The ongoing need to diversify supply chains and increase domestic production or recycling efforts will be critical in mitigating the risks associated with gallium's concentrated production.”

Source: csis.org December 4, 2024



# NIMY Resources — Momentum building in all directions

- Nimy is a First Mover exploring a new greenstone belt in the Tier 1 mining jurisdiction of Western Australia.
- Tenement package of over 3004 km<sup>2</sup> with known gallium, REE, copper, nickel, cobalt, PGE and gold potential.
- Expanded skillset board, technical team and collaborative partners.

## Gallium – a clear priority for Nimy and the world today

- Nimy has amongst the **highest-grade gallium** intervals recorded in Australia, possibly the world.
- Exploration target estimate as per JORC guidelines, 2021 published.
- Expanded soil anomalies 3km x 1.5 km delineated.
- Rapidly increasing demand for gallium.
- **No stand-alone high grade mining supply** currently operational in the world.
- Collaborative agreement with M2I global to establish supply chain into the US military.
- Working closely with the **CSIRO, Curtin University** and **Department of Energy, Mines, Industry and Safety and Geological Survey of Western Australia** to advance to project both structurally and metallurgically.
- Drill program has commenced to extend high grade gallium footprint into a JORC resource.





# Thank you

For more information please email:  
[info@nimyresources.com.au](mailto:info@nimyresources.com.au)

254 Adelaide Terrace  
Perth WA 6000 Australia  
T: (08) 9261 4600

[www.nimy.com.au](http://www.nimy.com.au)

