



Building a legacy on solid foundation

**HEAVY RARE EARTHS** | **COPPER**

**ASX: NFM | LSE: NFM**

ersonal use only

# VALUE THROUGH EXPLORATION & DEVELOPMENT

## HARTS RANGE PROJECT

- Highly prospective **Heavy Rare Earth and Niobium** Project, located 140km north-east of Alice Springs
- Assays from rock chips samples collected from outcropping pegmatites improved on historical results<sup>1,2</sup> returning high-grade readings up to **20.12% TREO, (inc 1.71% Dy2O3, 0.23% Tb4O7) with 4.79% Nb2O5 and 18.19% Ta2O5**
- FJH returns **20× TREO upgrade**, boosting **TREO from 1.7% to 35%** in a single step<sup>22</sup>
- All government and regulatory approvals received - drilling campaign imminent

## NWQ COPPER PROJECT

- JORC compliant MRE **2.1Mt @ 1.1% Cu for 21,886t copper metal**<sup>3</sup>
- Situated in the world class Mt Isa copper-belt district, north-west Queensland
- MOU signed with Austral Resource with pathway to production<sup>4</sup>
- Significant exploration upside with over 20 regional targets<sup>3</sup>
- Mining License Application submitted over Big One Copper Deposit<sup>21</sup>

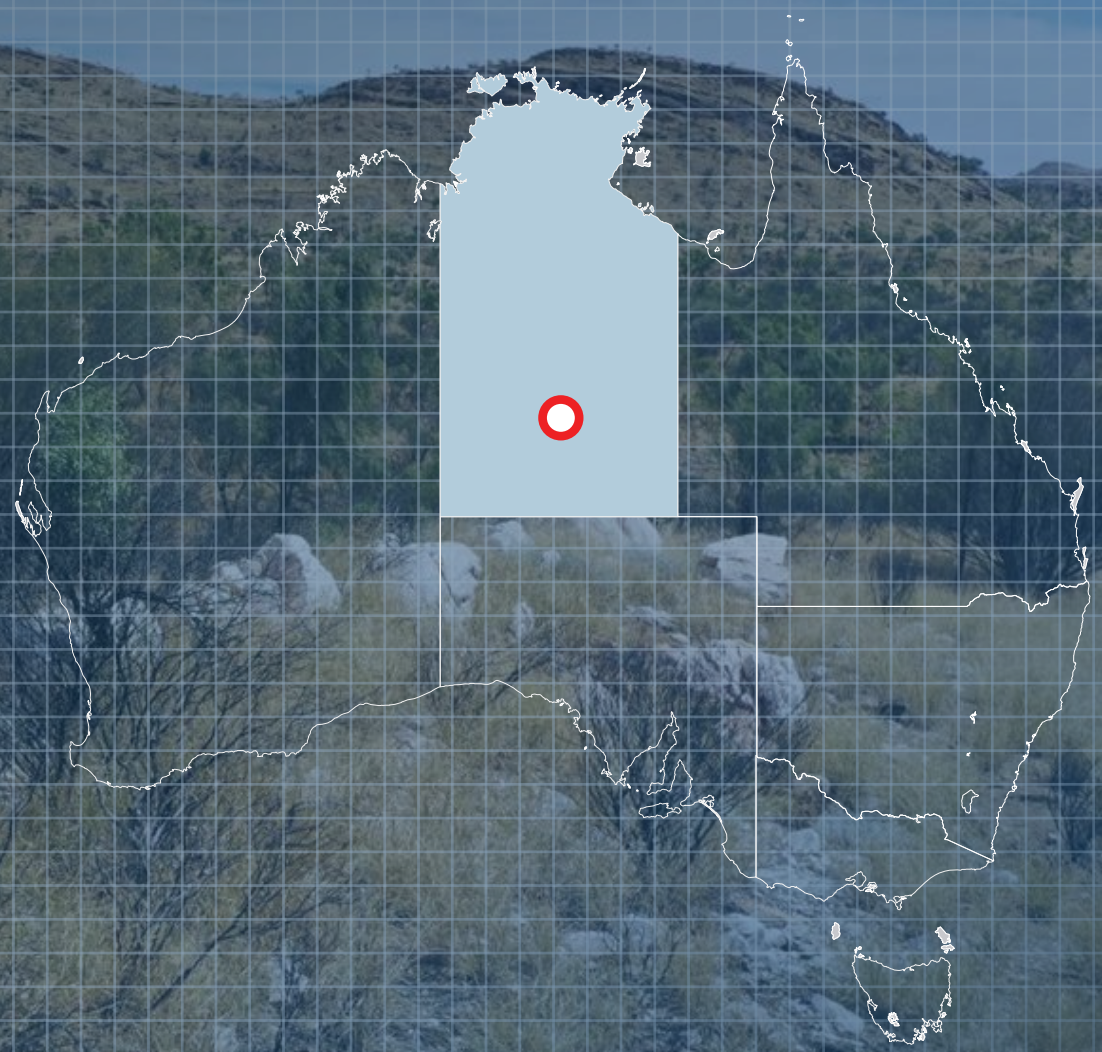
Delivering Shareholder Value Through Exploration and Development

## CORPORATE STRATEGY

- Divestment of non-core assets with cashflow to fund the future
- Primary objectives to explore and develop key assets



**NEW FRONTIER  
MINERALS**

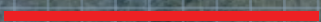


# HARTS RANGE PROJECT

Northern Territory, Australia



**HEAVY RARE EARTHS - NIOBIUM**



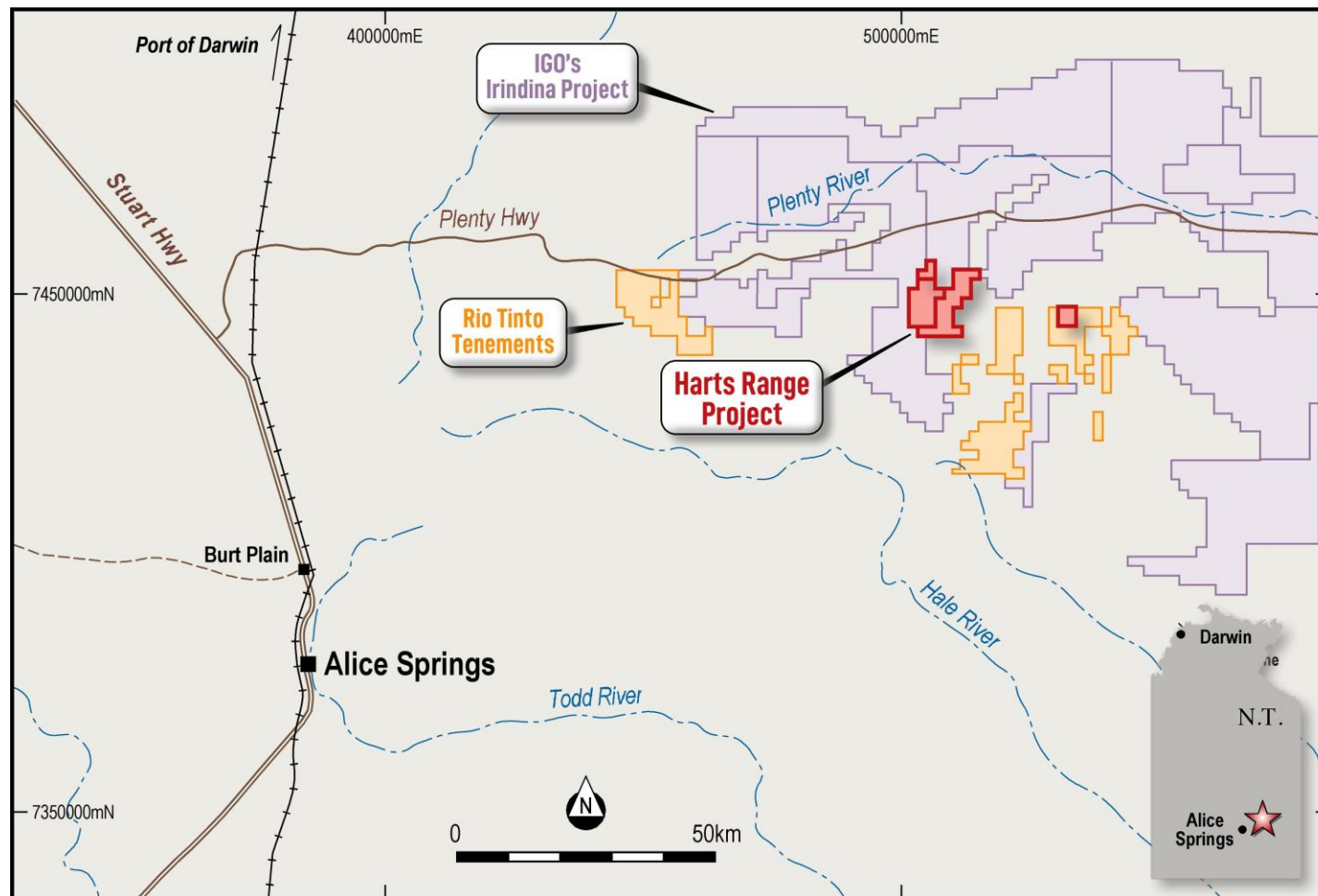
ersonal use only

# HARTS RANGE PROJECT



## LOCATION ACCESS & INFRASTRUCTURE

- The Harts Range Project comprises two granted tenements and an application (135km<sup>2</sup>), circa 140km north-east from Alice Springs
- The tenure resides on the Mt Riddock pastoral station and is accessible for most of the year via a sealed highway and well-maintained tracks
- Harts Range granted tenements EL32513 & EL 32046
- Within the tenure, Harts Range Pegmatites (outcropping) host HREE-Nb-U mineralisation<sup>1,2</sup>
- The area is tightly held including ASX-listed Independence Group (ASX: IGO) and Rio Tinto (ASX: RIO) having a substantial footprint in the region<sup>5</sup>



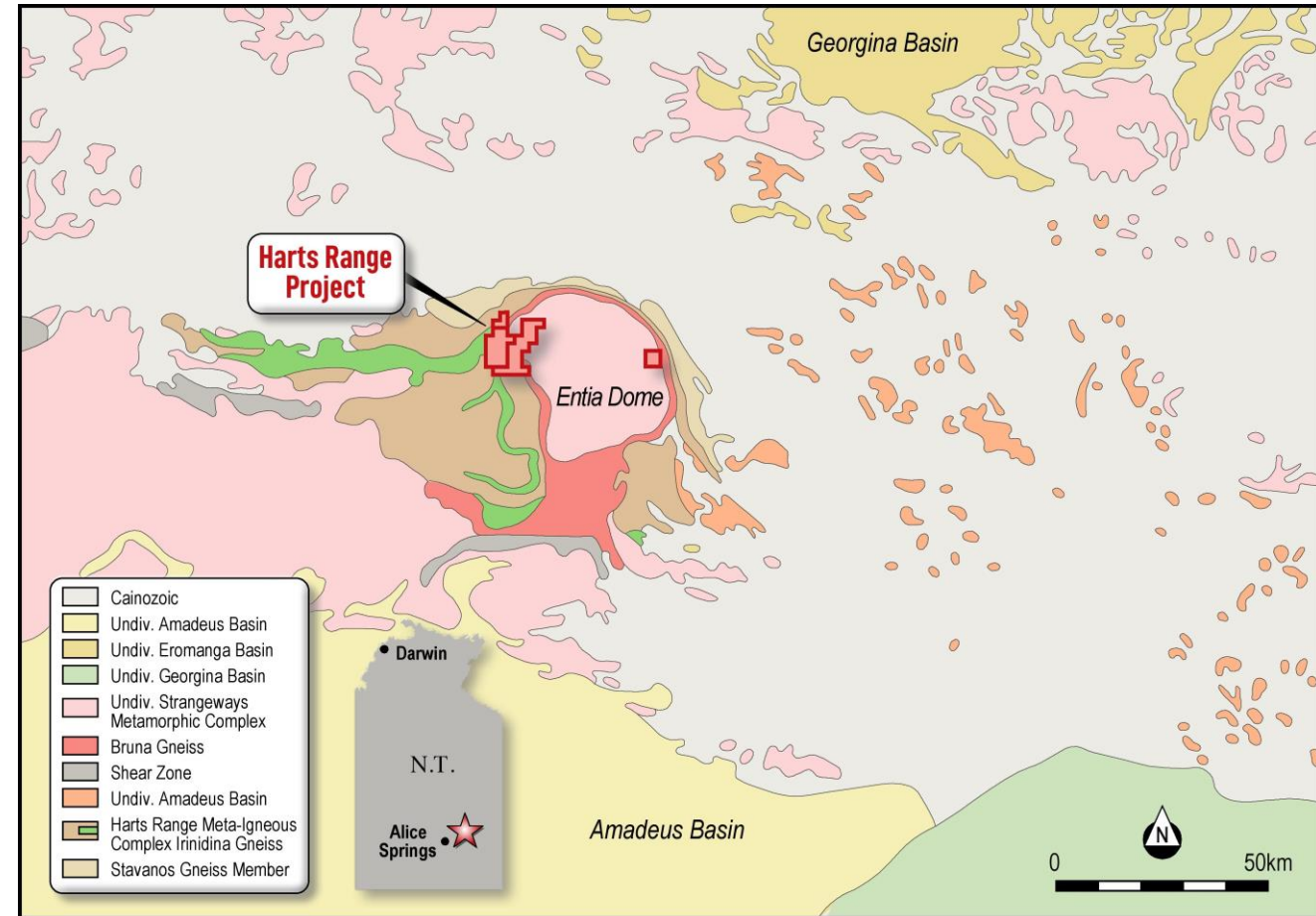
Source: NFM (Reference 1)

# HARTS RANGE PROJECT



## REGIONAL GEOLOGICAL SETTING

- The Harts Range Project lies north-west of the Entia Dome and is underlain by the Harts Range Group, which predominantly consists of feldspar-biotite-amphibole-garnet gneisses<sup>6</sup>
- The Harts Range region has undergone substantial crustal re-working between Proterozoic and Palaeozoic times
- As a result, it is now believed to represent an ancient and strongly altered/metamorphosed version of a continental collision zone<sup>6</sup>
- Magnetotelluric data interpreted by Adelaide University and NT Geological Survey geologists<sup>7</sup> suggests the Entia Dome system is a deep-crustal feature that can be shown extending to the mantle



Source: Scrimgeour 2013 (Reference 6)

# HARTS RANGE PROSPECTS



## Outcropping pegmatites and mineralised HREE-Nb-U rock samples



Cusp Prospect 507859E 7447753N



Cusp Prospect 507859E 7447753N



Bobs Prospect 506161E 7447407N

**Cusp Prospect Rock Chip Samples:** Samples HRS003 returning grades up to 29.80% Nb<sub>2</sub>O<sub>5</sub>, 14.04% U<sub>3</sub>O<sub>8</sub>, 1.63% Dy<sub>2</sub>O<sub>3</sub>, 0.22% Tb<sub>4</sub>O<sub>7</sub> and 23.02% Ta<sub>2</sub>O<sub>5</sub> hosted in pegmatite rock.  
Source: NFM (Reference 16) : ASX Release – 6 Nov 2024, High grade assays up to 29.80% Nb<sub>2</sub>O<sub>5</sub> & 14.04% U<sub>3</sub>O<sub>8</sub> validate Harts Range Project potential

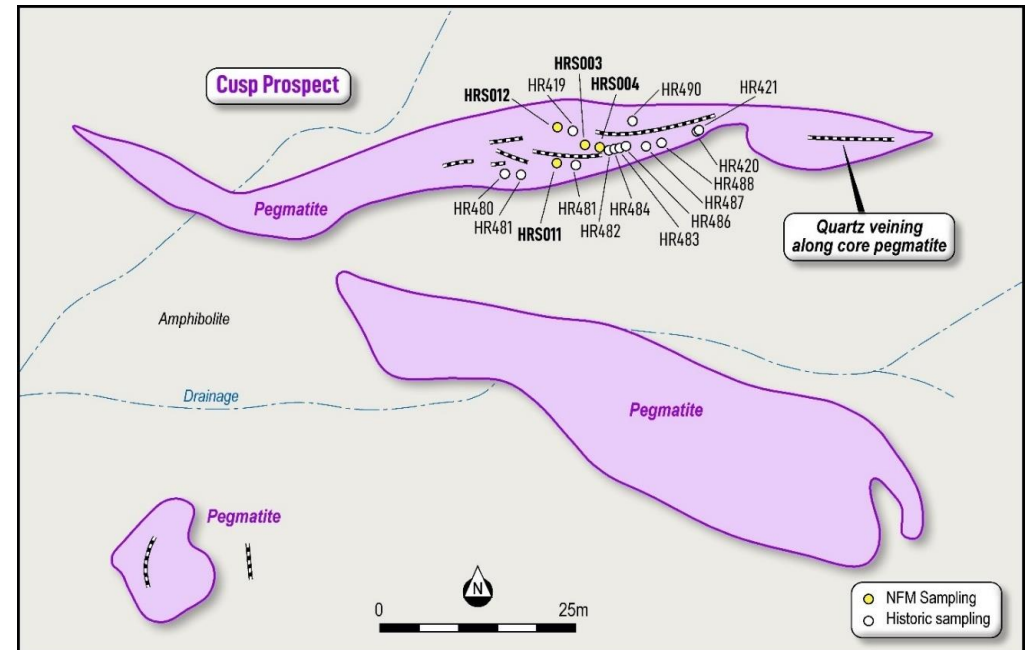
# HARTS RANGE – CUSP PROSPECT



## ROCK CHIP SAMPLE RESULTS

- HREE-Niobium-Tantalum mineralisation identified in pegmatites running east-west, over 70m long and up to 10m thick
- Numerous high grade (historical and recent) rock chips with best results<sup>1,2</sup> returning grades up to **17.83% TREO (inc 2.16% Dy<sub>2</sub>O<sub>3</sub>, 0.34% Tb<sub>4</sub>O<sub>7</sub>) with 33.19% Nb<sub>2</sub>O<sub>5</sub> and 7.19% Ta<sub>2</sub>O<sub>5</sub>**
- Very high HREO/TREO ratios up to 96.69% highlight the dominance of Dysprosium and Terbium—two highly valuable magnet rare earth elements (REEs)<sup>1</sup>

SAMPLE	PROSPECT	TREO%	Dy <sub>2</sub> O <sub>3</sub> %	Tb <sub>4</sub> O <sub>7</sub> %	Nb <sub>2</sub> O <sub>5</sub> %	Ta <sub>2</sub> O <sub>5</sub> %	HREO/TREO
HR419	CUSP	11.91	1.19	0.21	22.89	11.39	79.27
HR420	CUSP	0.35	0.04	0.01	1.57	0.11	83.45
HR421	CUSP	14.87	1.78	0.29	32.47	6.74	83.14
HR480	CUSP	16.61	1.94	0.31	30.04	8.60	85.75
HR481	CUSP	7.32	0.84	0.12	23.32	13.43	88.79
HR482	CUSP	17.83	2.16	0.34	33.19	7.19	85.81
HR483	CUSP	16.80	2.00	0.32	32.90	8.05	85.40
HR484	CUSP	0.11	0.01	0.00	1.37	0.09	77.61
HR485	CUSP	16.59	2.01	0.32	32.04	7.18	85.14
HR486	CUSP	15.61	1.87	0.30	29.47	5.39	85.12
HR487	CUSP	17.17	2.04	0.32	28.61	6.39	86.37
HR488	CUSP	16.30	1.97	0.31	27.75	5.69	85.49
HR490	CUSP	15.04	1.71	0.28	25.75	7.71	85.04
HRS003	CUSP	11.86	1.29	0.21	29.80	6.26	83.03
HRS004	CUSP	9.97	1.13	0.18	25.46	4.77	85.66
HRS011	CUSP	14.15	1.68	0.26	31.48	5.81	85.73
HRS012	CUSP	12.74	1.25	0.17	19.73	9.13	89.60



Source: NFM (Reference 1 & 2)

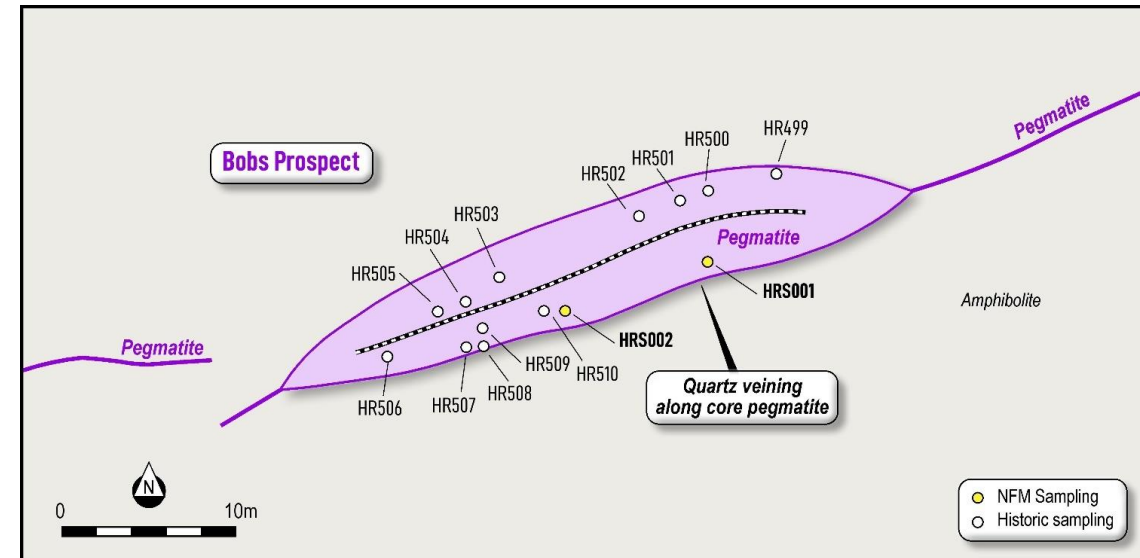
# HARTS RANGE – BOBS PROSPECT



## ROCK CHIP SAMPLE RESULTS

- HREE-Niobium-Tantalum mineralisation in pegmatites trending east-west, over 30m long and several meters thick with similar geological setting to the Cusp Prospect
- Numerous (historic and recent) high grade rock chips with best results<sup>1,2</sup> returning grades up to **20.12% TREO, (inc 1.71% Dy2O3, 0.23% Tb4O7) with 4.79% Nb2O5 and 18.19% Ta2O5**
- Very high HREO/TREO ratios up to 96.69% highlight the dominance of Dysprosium and Terbium—two highly valuable magnet rare earth elements (REEs)<sup>1</sup>

SAMPLE	PROSPECT	TREO %	Dy2O3%	Tb4O7%	Nb2O5%	Ta2O5%	HREO/TREO
HR499	BOBS	17.92	1.63	0.22	4.32	16.36	93.80
HR500	BOBS	15.59	1.34	0.18	4.61	16.97	92.98
HR501	BOBS	16.35	1.41	0.19	4.49	17.95	93.40
HR502	BOBS	16.47	1.40	0.19	4.39	16.48	93.27
HR503	BOBS	19.62	1.68	0.23	4.75	17.95	93.80
HR504	BOBS	17.51	1.53	0.21	4.63	17.10	93.72
HR505	BOBS	19.55	1.77	0.24	4.86	17.46	93.71
HR506	BOBS	19.58	1.66	0.22	4.51	17.34	94.47
HR507	BOBS	18.35	1.61	0.21	4.78	17.10	94.13
HR508	BOBS	20.12	1.71	0.23	4.79	18.19	93.93
HR509	BOBS	18.99	1.70	0.23	4.45	17.71	93.91
HR510	BOBS	18.22	1.66	0.22	4.12	15.02	93.89
HRS001	BOBS	16.95	1.55	0.20	9.11	20.95	93.45
HRS002	BOBS	19.05	1.63	0.22	10.07	23.02	93.93



Source: NFM (Reference 1 & 2)

Personal use only

# HARTS RANGE – PADDINGTON & WESTMINSTER PROSPECTS



## ROCK CHIP SAMPLE RESULTS

- HREE–Niobium–Tantalum mineralisation hosted in east–west trending pegmatites has led to the identification of two promising new prospects, Paddington and Westminster, located approximately 200m and 450m west of the mineralised Bobs Prospect, respectively<sup>1</sup>
- Best results<sup>1</sup> at Paddington include grades up to **10.61% TREO, (inc 1.28% Dy2O3, 0.22% Tb4O7) with 23.56% Nb2O5 and 15.67% Ta2O5**
- Best results<sup>1</sup> at Westminster include grades up to **7.46% TREO, (inc 0.53% Dy2O3, 0.05% Tb4O7)**



SAMPLE	PROSPECT	TREO (%)	Dy2O3 (%)	Tb4O7 (%)	Nb2O5 (%)	Ta2O5 (%)	HREE/TREO (%)
HRS019	PADDINGTON	10.61	1.28	0.22	23.56	15.67	83.98
HRS031	PADDINGTON	5.17	0.61	0.10	11.49	7.30	84.68
HRS032	WESTMINSTER	7.46	0.53	0.05	0.01	0.002	96.69
HRS001	BOBS	16.95	1.55	0.20	9.10	20.94	93.50
HRS002	BOBS	19.05	1.63	0.21	10.07	23.01	93.90

Source: NFM (Reference 1)

Personal use only

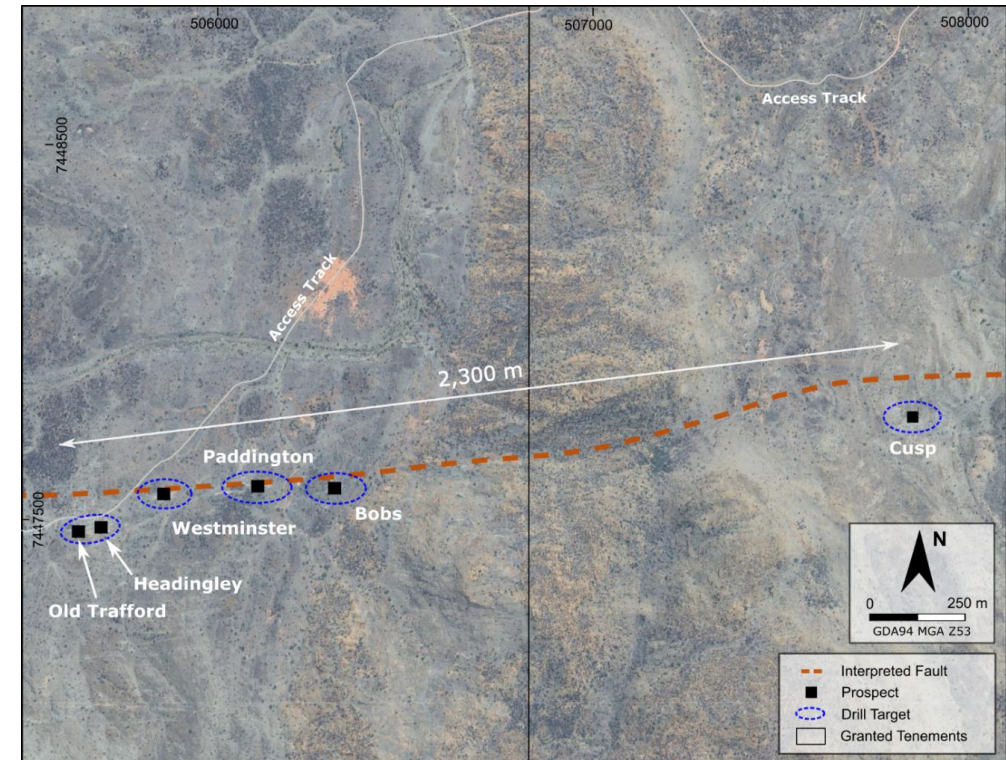
# HARTS RANGE – PROSPECT GROUP SUMMARY



## REGIONAL TRENDS

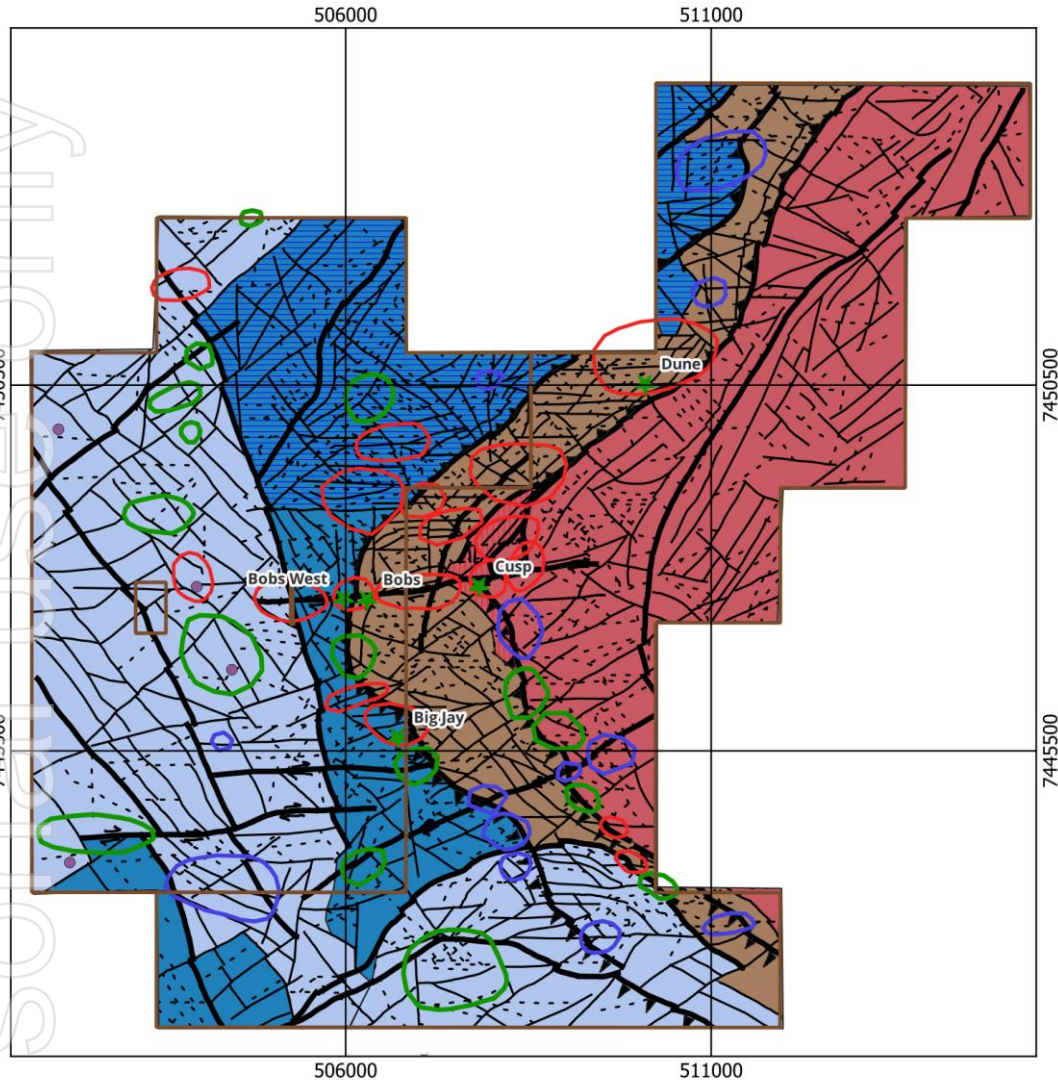
- The geophysical interpretation has identified an ENE trending structural feature that hosts all four mineralised prospects<sup>1,14</sup> (Cusp, Bobs, Paddington, and Westminster).
- The addition of the new prospects (Paddington and Westminster) now extends this identified structural corridor over a 2km strike length<sup>1</sup>.
- The NFM geological team will be targeting repeats of these geophysical structural trends which have been interpreted to the north and south of the Bobs and Cusp Prospects.

PROSPECT	Best TREO (%)	Max HREO/TREO (%)	Max Dy <sub>2</sub> O <sub>3</sub> (%)	Max Tb <sub>4</sub> O <sub>7</sub> (%)	Max Nb <sub>2</sub> O <sub>5</sub> (%)	Max Ta <sub>2</sub> O <sub>5</sub> (%)
CUSP	17.8% (HR482)	89.6% (HRS012)	2.2% (HR482)	0.2% (HR482)	33.2% (HR482)	13.4% (HR481)
BOBS	20.1% (HR508)	94.5% (HR506)	1.7% (HR505)	0.2% (HR505)	10.1% (HRS002)	23% (HRS002)
PADDINGTON	10.6% (HRS019)	84.68% (HRS031)	1.3% (HRS019)	0.2% (HRS019)	23.6% (HRS019)	15.7% (HRS019)
WESTMINSTER	7.5% (HRS032)	96.69% (HRS032)	0.5% (HRS032)	0.06% (HRS032)	0.01% (HRS032)	0.03% (HRS032)



Source: NFM (Reference 1)

# 46 GEOPHYSICAL TARGETS IDENTIFIED AT HARTS RANGE



Geophysical target generation has identified **46 targets**, with **18 ranked as priority 1 targets**, followed by 16 priority 2 targets and 12 priority 3 targets for further follow-up for **Heavy Rare Earth, Niobium and Tantalum mineralisation**

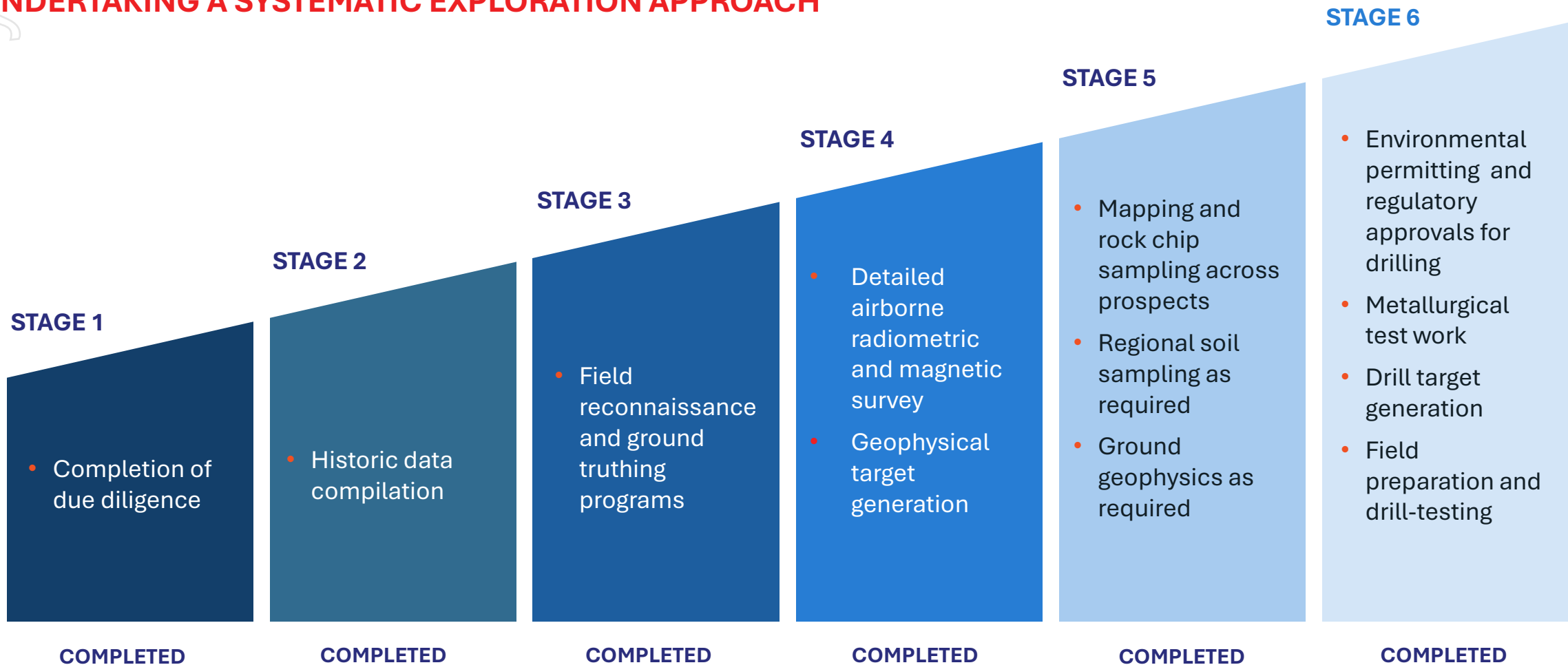
- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid brown; display: inline-block; width: 15px; height: 10px; margin-right: 5px;"></span> Tenements</li> <li><span style="color: green; font-size: 1.2em; margin-right: 5px;">★</span> Prospects</li> <li><span style="border-bottom: 2px solid black; width: 20px; margin-right: 5px;"></span> Faults Major</li> <li><span style="border-bottom: 1px solid black; width: 20px; margin-right: 5px;"></span> Faults 2ndOrder</li> <li><span style="border-bottom: 1px dashed black; width: 20px; margin-right: 5px;"></span> Faults Minor</li> <li><span style="color: purple; font-size: 0.8em; margin-right: 5px;">●</span> Mineral Occurrences</li> <li><b>Targets</b></li> <li><span style="border: 2px solid red; width: 15px; height: 10px; margin-right: 5px;"></span> Priority 1</li> <li><span style="border: 2px solid green; width: 15px; height: 10px; margin-right: 5px;"></span> Priority 2</li> <li><span style="border: 2px solid blue; width: 15px; height: 10px; margin-right: 5px;"></span> Priority 3</li> </ul> | <b>Litho_Domains</b> <ul style="list-style-type: none"> <li><span style="background-color: #8B4513; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Bruna Granitic Gneiss<br/>Entia and Irindina Gneisses</li> <li><span style="background-color: #ADD8E6; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Combination of Bruna<br/>Granitic Gneiss &amp; Irindina Gneiss</li> <li><span style="background-color: #C71585; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Entia Gneiss_East</li> <li><span style="background-color: #DC143C; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Entia Gneiss_West</li> <li><span style="background-color: #4169E1; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Irindina Gneiss</li> <li><span style="background-color: #4682B4; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Magnetic domains of combination<br/>Entia, Irindina and Bruna Gneiss</li> <li><span style="background-color: #ADD8E6; width: 15px; height: 10px; display: inline-block; margin-right: 5px;"></span> Riddock Amphibolie Member of<br/>Harts Range Group &amp; Irindina Gneiss</li> </ul> |
|--|---|

Source: NFM (Reference 14)

# HARTS RANGE PROJECT – COMPREHENSIVE EXPLORATION PLAN



## UNDERTAKING A SYSTEMATIC EXPLORATION APPROACH

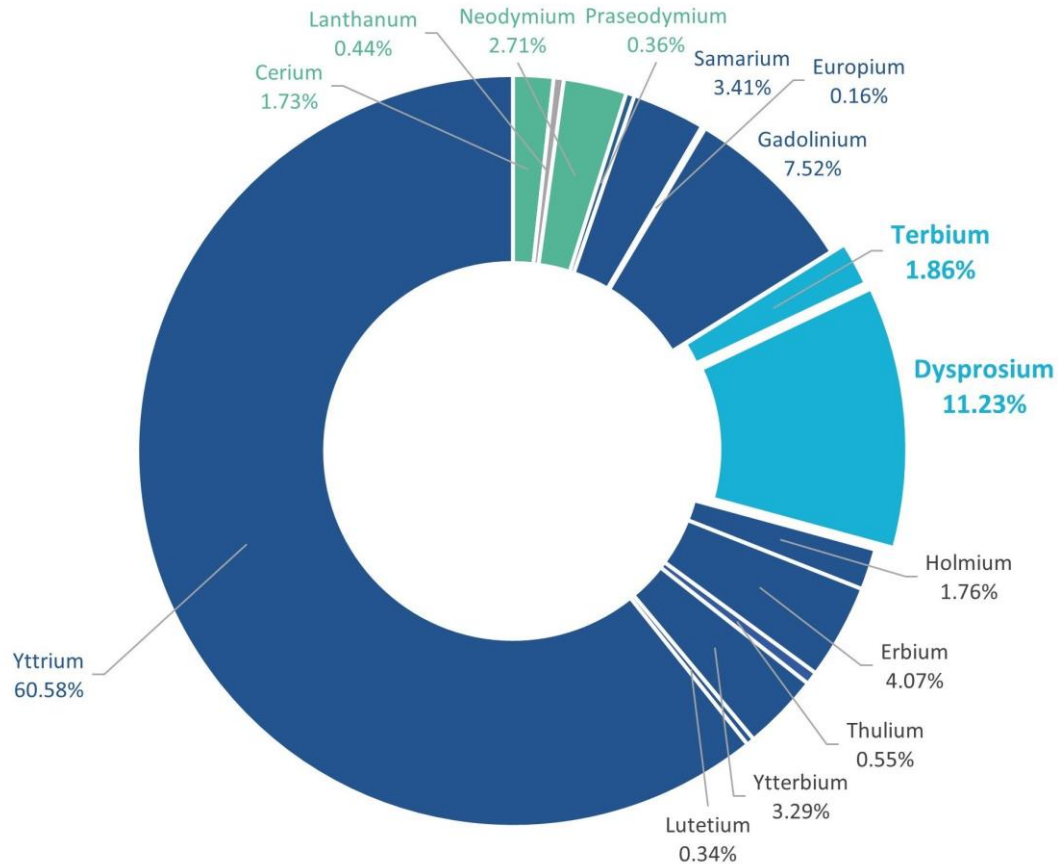


# HARTS RANGE 25 KG BULK SAMPLE ANALYSIS



## HARTS RANGE Heavy Rare Earth Dominance - Dy/Tb MAKES UP >13% OF REO BASKET

Cusp Bulk Sample REO Distribution



REE Oxides	REO Basket %	US\$/kg
Lanthanum	0.44%	\$0.57
Cerium	1.73%	\$1.36
Neodymium	2.71%	\$79.14
Praseodymium	0.36%	\$79.26
Samarium	3.41%	\$1.98
Europium	0.16%	\$19.84
Gadolinium	7.52%	\$21.51
Dysprosium	11.23%	\$201.50
Terbium	1.86%	\$889.68
Holmium	1.76%	\$69.13
Erbium	4.07%	\$41.58
Ytterbium	3.29%	\$5.83
Lutetium	0.34%	\$639.35
Yttrium	60.58%	\$8.49

Source: NFM (Reference 17)

Source: REO Pricing - Shanghai Metals September 18, 2025 (Reference 20)

Personal use only

# EXCEPTIONAL PROCESSING RESULTS

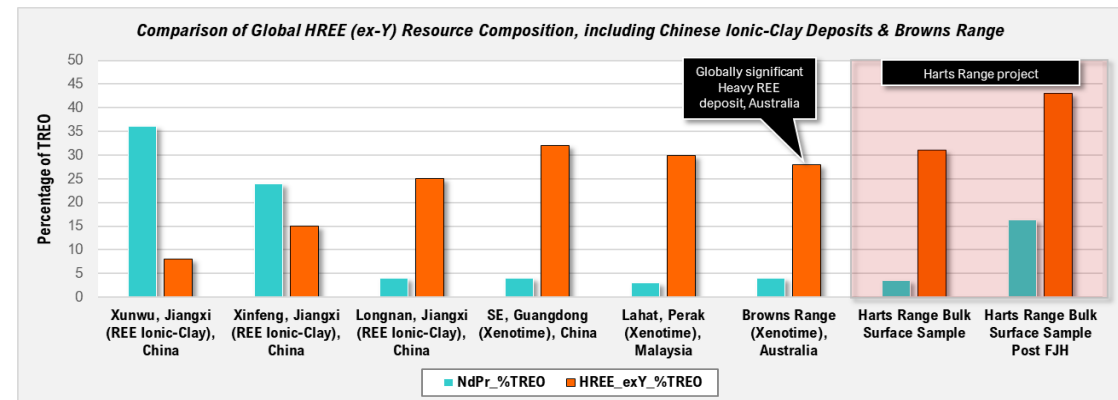
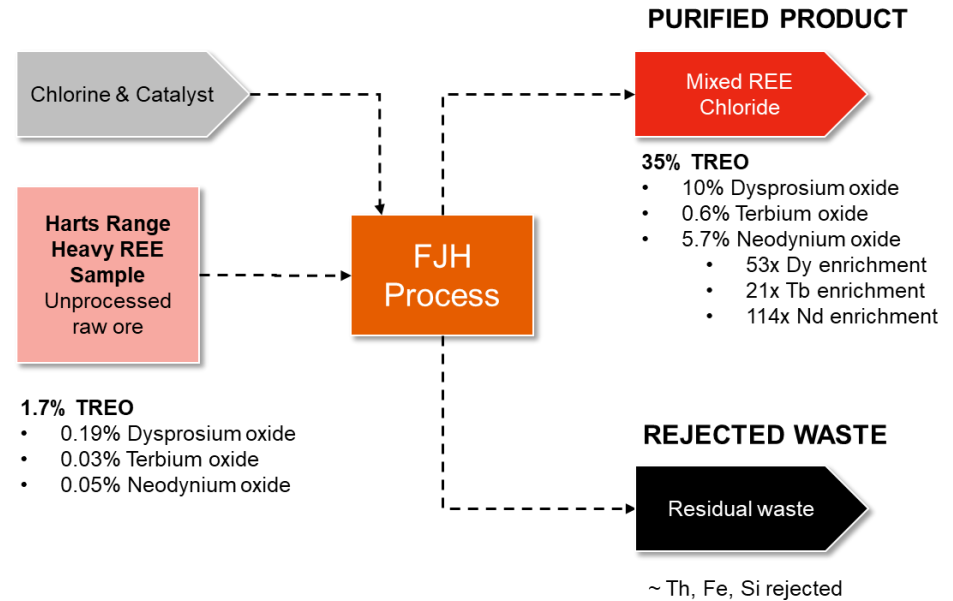


## EXCEPTIONAL PROCESSING RESULTS WITH METALLIUM FLASH JOULE HEATING (FJH)

	Element	Oxide	BEFORE	AFTER	Enrichment Ratio
			Raw Ore Assay, %wt	Product post FJH, %wt	
RARE EARTHS	Dysprosium	Dy2O3	0.19%	10.03%	53X
	Terbium	Tb4O7	0.03%	0.64%	21X
	Neodymium	Nd2O3	0.05%	5.69%	114X
	Praseodymium	Pr6O11	0.01%	0.00%	-
	Lutetium	Lu2O3	0.01%	0.25%	25X
	Gadolinium	Gd2O3	0.13%	2.04%	16X
	Erbium	Er2O3	0.07%	1.02%	15X
	Holmium	Ho2O3	0.03%	0.36%	12X
	Ytterbium	Yb2O3	0.06%	0.73%	12X
	Samarium	Sm2O3	0.06%	0.70%	12X
	Yttrium	Y2O3	1.04%	11.83%	11X
	Thulium	Tm2O3	0.01%	0.00%	-
	Cerium	CeO2	0.03%	0.85%	28X
	Lanthanum	La2O3	0.01%	0.43%	43X
Europium	Eu2O3	0.00%	0.37%	-	
	<b>Total Rare Earth Oxides</b>	<b>TREO</b>	<b>1.72%</b>	<b>34.96%</b>	<b>20X</b>
IMPURITIES	Iron	Fe2O3	2.77%	0.00%	Complete removal
	Silica	SiO2	75.75%	0.00%	Complete removal
	Thorium	ThO2	0.002%	0.00%	Complete removal

Source: NFM (Reference 22)

## SIMPLIFIED OVERVIEW – RAW ORE FEED INTO FJH ENRICHMENT PROCESS



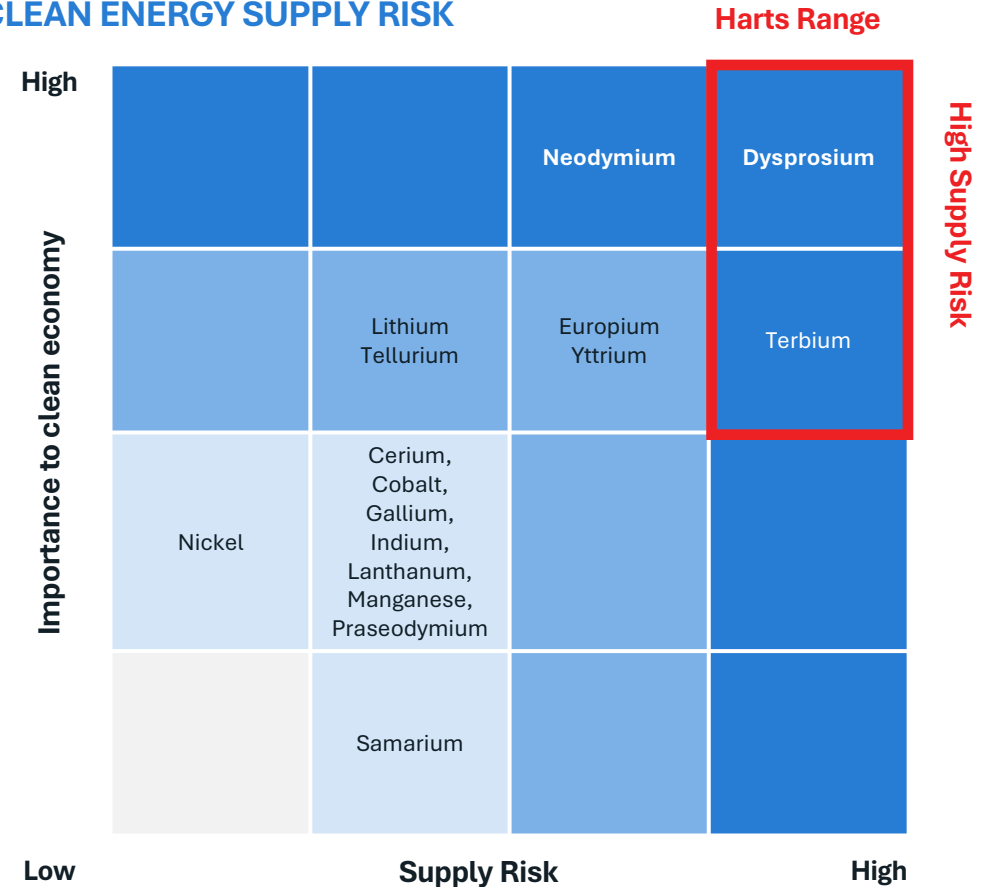
# THE RISE OF HEAVY RARE EARTHS



## CHINESE RESTRICTIONS DYSPROSIUM / TERBIUM

- US tariffs have resulted in **China restricting exports of seven categories of medium and heavy rare earths**—namely Samarium, Gadolinium, **Dysprosium, Terbium**, Lutetium, Scandium, and Yttrium-related items, commencing April 4, 2025<sup>18</sup>
- China controls 90% of global rare earth processing capacity, including its HREE supply from Myanmar. **China remains the dominant producer of Dysprosium Oxide** and leads the world in refining capacity
- Little exposure to Heavy Rare Earths on the ASX** - the list of Australian companies exploring and developing heavy rare earth projects includes the likes of Northern Minerals, Iluka Resources, Lynas Rare Earths and New Frontier Minerals

## CLEAN ENERGY SUPPLY RISK



Source: US Department of Energy, Critical Minerals Strategy (2011)

Personal use only

# SURGING DEMAND FOR REEs



## CHINA-AMERICA RACE FOR RARE EARTH

### Geopolitics

Escalating trade wars and security of supply of critical minerals

### Defence

Permanent magnets in aircrafts, submarines and naval systems

### AI & Advanced Technologies

Integral in the evolution of robotics and advanced digital devices

### Clean Energy Transition

Permanent (NdFeB) magnets are critical for the EV revolution

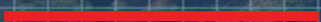


# NWQ COPPER PROJECT

Queensland, Australia



MT ISA COPPER DISTRICT



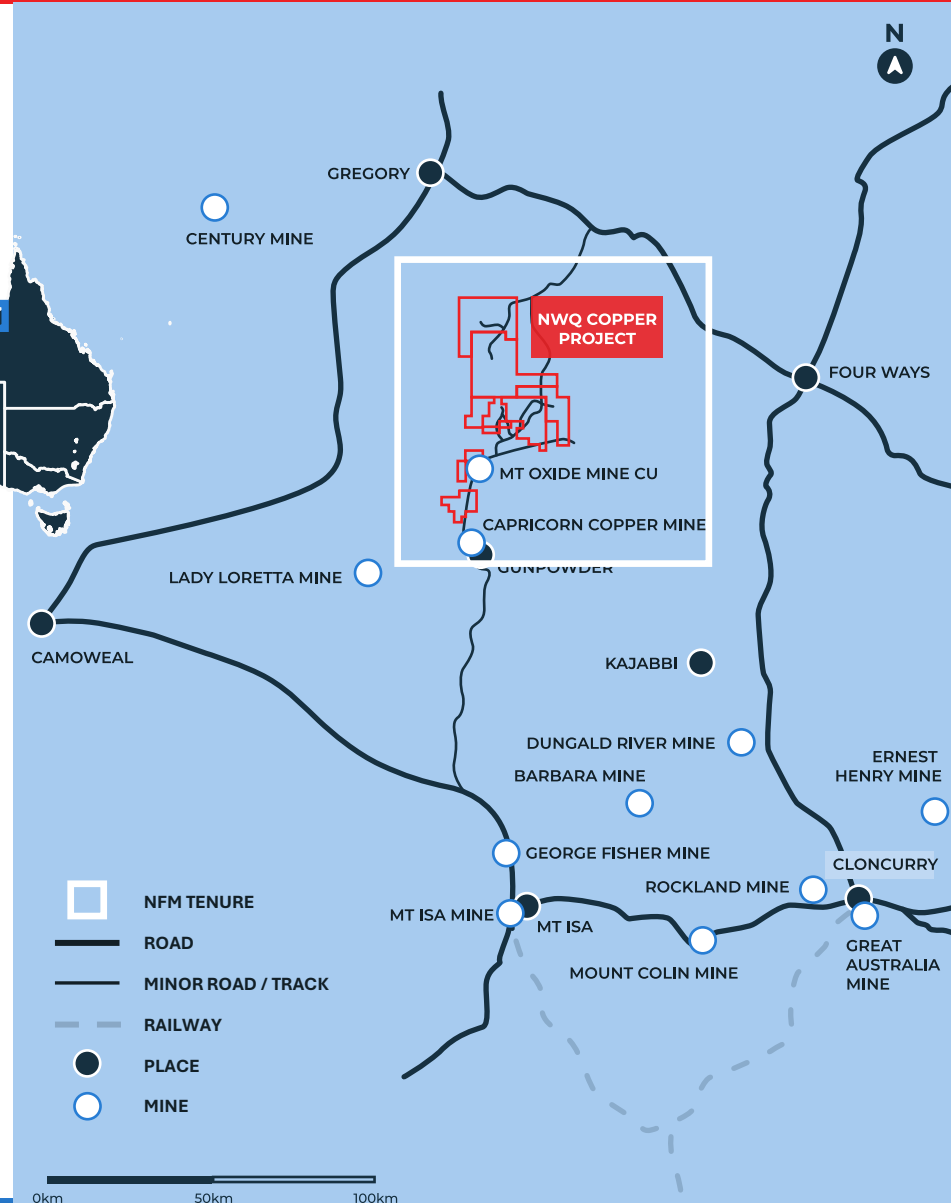
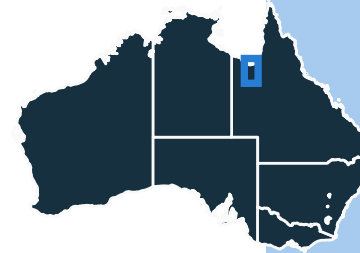
ersonal use only

# NWQ COPPER PROJECT – MT ISA COPPER BELT, QUEENSLAND



## SIGNIFICANT RESOURCE IN THE MT ISA COPPER BELT

- The **NWQ Copper Project** is located about 140 km to the north of the township of Mount Isa
- The **Big One Deposit** is the most advanced prospect with a JORC compliant inferred Mineral Resource Estimate – **2.1Mt @ 1.1% Cu for 21,886t copper metal**<sup>3</sup>
- **Located in Tier 1 region – the Beverly Hills of Copper districts** – the NWQ Copper Project is proximal to operating/historical mines owned by global blue-chips including Anglo American, Glencore and Rio Tinto<sup>3</sup>
- **Significant land package** comprising five mineral leases covering a **total area of 977km<sup>2</sup>**, with under-explored targets that are highly prospective for copper mineralisation<sup>3</sup>
- Excellent infrastructure and access to nearby copper processing facilities<sup>4</sup>



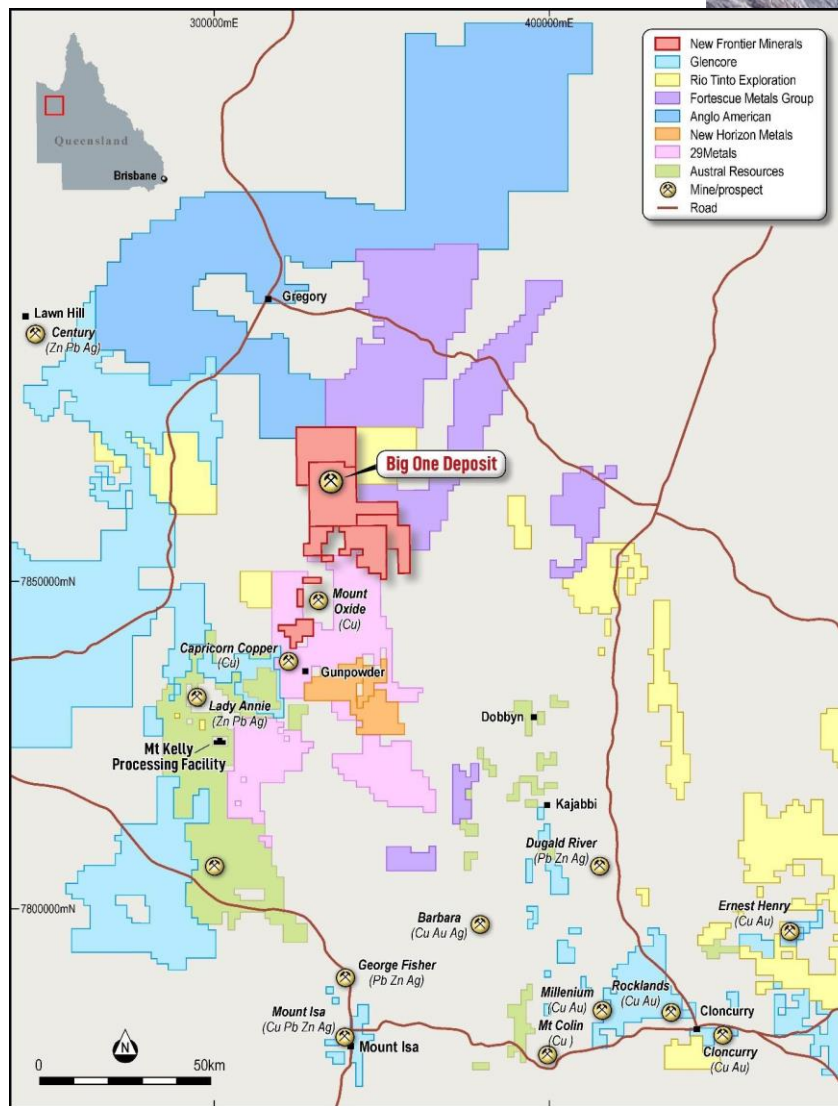
# HIGHLY PROSPECTIVE COPPER PROVINCE



## HIGHLY PROSPECTIVE AND PROVEN COPPER MINING PROVINCE (MT ISA)

- NFM holds a significant landholding in **Australia's premier Copper Province** and tier one mining jurisdiction (Mt Isa Copper Belt)
- **Strategically positioned and surrounded by world-class mining projects** and highly credible and active peer group including Anglo American, Glencore, Rio Tinto and FMG<sup>3</sup>
- **Over 20 under-explored targets** that are highly prospective for copper mineralisation which underscore the exploration potential<sup>3</sup>

The NWQ Copper Project has successfully advanced to align with a strategic partner Austral Resources (ASX:AR1)<sup>4</sup>



Mt Isa Copperbelt – Major Players (Source: NFM geology team)



# STRATEGIC ALLIANCE AND PATHWAY TO PRODUCTION



A Memorandum of Understanding with AR1 has been executed to formalise a strategic alliance leveraging the two groups Mt Isa copper belt assets<sup>4</sup>

## PATHWAY TO PRODUCTION

- **MOU to establish a pathway to production for copper ore from the NWQ Copper Project**, with AR1's processing facility at Mt Kelly<sup>4</sup>
- Primary objective is to provide copper ore from the Big One Deposit (**MRE: 2.1Mt @ 1.1% Cu**)<sup>3</sup> and potentially expanding this to other satellite prospects within the NWQ Copper Project
- The **combined footprint**, complemented by AR1's copper processing plant, provides a compelling **integrated scalable asset base** that delivers **significant exploration and mining potential for both parties**<sup>4</sup>
- **Win-win alliance** providing NFM impetus to **expedite developing the NWQ Copper Project**, while AR1 secures a new source of copper ore to process<sup>4</sup>



Mount Kelly Copper Processing Facility (Source: Austral Resources)

## The Big One pit face and historical stockpiles from The Big One Deposit



The Big One Deposit (pit 1 face)  
Location: 335394 mE and 7880283 mN



Big One Deposit historical stockpiles  
Location: 335453 mE, 78880348 mN



Azurite and malachite throughout sedimentary unit  
Location: 335352 mE, 78880348 mN

Cautionary statement: Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. Sample descriptions in Appendix B

ersonal use only

# CORPORATE OVERVIEW – CAPITAL STRUCTURE & MANAGEMENT



## NFM

ASX / LSE

### \$0.025/1.05p

SHARE PRICE<sup>12,13</sup>  
21 November 2025

### A\$40m/£19m

MARKET CAP

### \$1.8m/£0.88m

CASH (inc bonds and shares)  
30 September 2025

### \$0

DEBT

New Frontier Minerals is dual listed on the Australian Stock Exchange and London Stock Exchange under the ticker “NFM”

### 1,605m

SHARES ON ISSUE

### 61%

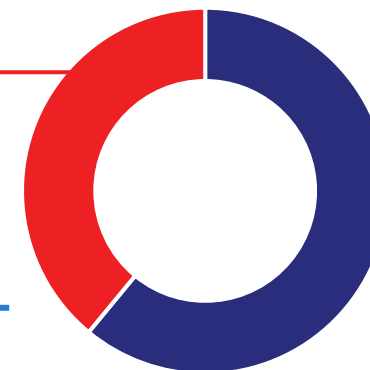
REMAINING SHAREHOLDERS

### 39%

TOP 20% SHAREHOLDERS

### 39%

TOP 20% SHAREHOLDERS



### 61%

REMAINING SHAREHOLDERS



#### Gerrard Hall – Chairperson

A finance professional with 20+ years at top banks, including JP Morgan and UBS, specialises in proprietary trading, derivatives, and asset management. Ged holds an MBA and MSc in Financial Management.



#### Joel Logan – Non-Executive Director

Joel is a geologist with experience working on major projects at BHP and Azure Minerals. With degrees from the University of Adelaide and Curtin University, he combines technical acumen with a keen focus on the corporate and economic aspects of mining.



#### Eduardo Robaina – Non-Executive Director

Accomplished Managing Director and Engineering Consultant with an executive and technical skillset. Eduardo holds a Bachelor of Science (Mechanical Engineering) from Metropolitan University in Venezuela.



#### Kevin Das – Senior Consultant

Kevin is a geologist and seasoned mining executive with over 24 years in technical and corporate roles across a variety of global mining jurisdictions. In 2016, Kevin founded the ARD Group, a resource focused investment and acquisition group after playing a key role in the discoveries at Browns Range with Northern Minerals.



#### Dale Hanna – Company Secretary

20+ years' experience as CFO, Company Secretary, and in corporate advisory. His proficiency extends to ASX-listed mining companies. Dale is a Chartered Accountant & Secretary, holding a Bachelor's from Curtin University. He maintains active memberships with the Institute of Chartered Accountants and the Governance Institute of Australia.



## Clean energy and high value critical metals

**Promising macro-outlook for uranium, critical minerals as the push for energy transition** and decarbonisation gains momentum

Copper is emerging over the medium term, particularly from stable regions like Australia



## Unique geology with high prospectivity

Highly prospective for uranium, niobium, and heavy rare earths which delivers significant exploration potential

Standout historical rock chip assays<sup>1,2</sup> returning grades up to **20.12% TREO, (inc 1.71% Dy<sub>2</sub>O<sub>3</sub>, 0.23% Tb<sub>4</sub>O<sub>7</sub>) with 4.79% Nb<sub>2</sub>O<sub>5</sub> and 18.19% Ta<sub>2</sub>O<sub>5</sub>**



## Situated within a Tier 1 mining jurisdiction

The Northern Territory and Queensland are **World Class (Tier 1) proven exploration and mining jurisdiction**

Granted tenements with excellent project access, essential infrastructure and established mining community



## Pathway to production delivering shareholder value

Strategic alliance with development partner AR1 to process ore from the NWQ Copper Project

Big One Deposit which has an **inferred MRE – 2.1Mt @ 1.1% Cu for 21,886t copper metal<sup>3</sup>**



## Experienced Team & systematic exploration approach

**Highly experienced team with strong corporate and technical track record**

Systematic exploration strategy mapped out to identify Heavy Rare Earths, and Niobium targets for drill-testing



# Thank you

---

Joel Logan  
jlogan@newfrontierminerals.com

Ana Ribeiro  
ana@stbridespartners.co.uk

Ged Hall  
ghall@newfrontierminerals.com

45 Ventnor Avenue, West Perth WA 6000

ersonal use only

ersonal use only

# Appendix

---

# APPENDIX A: RESOURCE TONNAGES – BIG ONE DEPOSIT



Resource Type	Ore Type	Inferred (Mt)	Indicated (Mt)	Measured (Mt)	Copper Grade (%)	Silver Grade (g/t)	Contained Copper (t)	Contained Silver (kg)
Mine Dumps	Oxidised	0	0.007	-	1.2	4.0	86	29
Mine Insitu	Oxidised	1.7	0	-	1.0	1.1	17,000	1,870
Mine Insitu	Fresh	0.4	0	0	1.2	1.4	4,800	560
<b>Sub-Totals</b>		<b>2.1</b>	<b>0.007</b>	<b>0</b>			<b>21,886</b>	<b>2,459</b>

Notes: Cut-off grade 0.45% Cu. Source: Refer to ASX announcement dated 28 February 2022

ersonal use only

# APPENDIX B: VISUAL ESTIMATE DISCLOSURE



## Cautionary Statement:

Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

Fourteen (14) sample containers of new rock chip samples were collected at three (3) ex-mine dump sites and are listed in the table below. Approximately 200 Kg was collected. Page 19 shows samples of mineralised rocks, typical of those found from the three ex-mine dumps in and around the mined areas at Big One that have been sampled to obtain just over 200Kg of material. The mineralisation found in the dump material is highly to moderately weathered and altered copper carbonates, oxides, and some chalcocite. Exact minerals present and their concentrations will be confirmed by XRD and/or SEM as part of the metallurgical testing ordered. This material is destined for detailed multi-element assay and metallurgical testing by both Austral Resources and the ALS Laboratory at Mt Isa. Results from this testing will be available in one to two months' time. More details of these bulk samples are shown below, which also lists an estimate range of copper concentration that will be updated by laboratory assay.

Sample ID	Location	Easting	Northing	Copper Estimate Range%	Description	Date Collected
BOGS1	Big One	335352	7880348	2-4%	Significant malachite, azurite and chalcocite mineralisation throughout the stockpile. Evidence of sheared rock. Clay altered trachyte dyke contains of malachite and chrysocolla. Minor tenorite and cuprite present. Visible lithologies include siltstone, greywacke, sandstone, and trachyte dyke. Some sections of the host rock are highly silicified. ~67kg of stockpile material has been grab sampled.	10/05/2025
BOGS2	Big One	335453	7880348	1-3%	Significant malachite and azurite mineralisation throughout the stockpile. Trace chalcocite and tenorite. Clay altered trachyte dike contains of malachite and chrysocolla. Seems that the trachyte contains almost exclusively chrysocolla and malachite. Trace tenorite present. Visible lithologies include siltstone, greywacke, sandstone, phyllite/schist, trachyte dike and limestone (minor carbonate boxwork). ~69kg of stockpile material has been grab sampled.	10/05/2025
BOGS3	Big One	335471	7880362	1-3%	Malachite, azurite and chrysocolla comprise the copper mineralisation of this stockpile. Visible lithologies include siltstone, greywacke, sandstone, and trachyte dike. ~65kg of stockpile material has been grab sampled.	10/05/2025

Personal use only

The information contained in this document ("Presentation") has been prepared by New Frontier Minerals Limited (hereafter "Frontier Minerals" or "NFM"). It has not been fully verified and is subject to material updating, revision and further amendment. While the information contained herein has been prepared in good faith, neither Frontier Minerals nor any of its shareholders, directors, officers, agents, employees or advisers give, have given or have the authority to give, any representations or warranties (express or implied) as to, or in relation to, the accuracy, reliability or completeness of the information in this Presentation, or any revision thereof, or of any other written or oral information made or to be made available to any interested party or its advisers (all such information being referred to as "Information") and liability therefore is expressly disclaimed. Accordingly, neither Frontier Minerals nor any of its shareholders, directors, officers, agents, employees or advisers take any responsibility for, or will accept any liability whether direct or indirect, express or implied, contractual, tortious, statutory or otherwise, in respect of, the accuracy or completeness of the information or for any of the opinions contained herein or for any errors, omissions or misstatements or for any loss, howsoever arising, from the use of this Presentation.

Neither the issue of this Presentation nor any part of its contents is to be taken as any form of commitment on the part of Frontier Minerals to proceed with any transaction and the right is reserved to terminate any discussions or negotiations with any prospective investors. In no circumstances will Frontier Minerals be responsible for any costs, losses or expenses incurred in connection with any appraisal or investigation of Frontier Minerals. In furnishing this Presentation, Frontier Minerals does not undertake or agree to any obligation to provide the recipient with access to any additional information or to update this Presentation or to correct any inaccuracies in, or omissions from, this Presentation which may become apparent.

This Presentation should not be considered as the giving of investment advice by Frontier Minerals or any of its shareholders, directors, officers, agents, employees or advisers. Each party to whom this Presentation is made available must make its own independent assessment of Frontier Minerals after making such investigations and taking such advice as may be deemed necessary. In particular, any estimates or projections or opinions contained herein necessarily involves significant elements of subjective judgement, analysis and assumptions and each recipient should satisfy itself in relation to such matters.

Neither this presentation nor any copy of it may be (a) taken or transmitted into the United Kingdom, Canada, Japan or the United States of America, their territories or possessions; (b) distributed to any U.S. person (as defined in Regulation S under the United States Securities Act of 1933 (as amended)) or (c) distributed to any individual outside Australia, Canada or Japan who is a resident thereof in any such case for the purpose of offer for sale or solicitation or invitation to buy or subscribe any securities or in the context where its distribution may be construed as such offer, solicitation or invitation, in any case except in compliance with any applicable exemption.

## Forward Looking Statements

Certain information in this document refers to the intentions of New Frontier Minerals Ltd, but these are not intended to be forecasts, forward-looking statements or statements about future matters for the purposes of the Corporations Act or any other applicable law. The occurrence of events in the future are subject to risks, uncertainties and other factors that may cause New Frontier Minerals Ltd's actual results, performance or achievements to differ from those referred to in this announcement. Accordingly, New Frontier Minerals Ltd, its directors, officers, employees, and agents do not give any assurance or guarantee that the occurrence of the events referred to in this announcement will actually occur as contemplated.

## Competent Persons Statement

The information in this presentation that relates to Exploration Results, Exploration Targets and Mineral Resources for the Harts Range Project and NWQ Project are based on a fair and accurate representation of the publicly available information at the time of compiling this report and is based on information and supporting documentation compiled by Mark Biggs. Mr Biggs is a director of ROM Resources, a company which is a shareholder of New Frontier Minerals Limited. ROM Resources provides ad hoc geological consultancy services to New Frontier Minerals Limited. Mr Biggs is a member of the Australian Institute of Mining and Metallurgy (member #107188) and has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, and Mineral Resources. Mr Biggs holds an AusIMM Online Course Certificate in 2012 JORC Code Reporting. Mr Biggs also consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The Report or excerpts referenced in this statement have been reviewed, ensuring that they are based on and accurately reflect, in both form and context, the supporting documentation relating to exploration results and any mineral resource estimates. The release of the Report and this statement has been consented to by the Directors of New Frontier Copper Limited.

## ASX Listing Rule 5.23.2

New Frontier Minerals Ltd confirms that it is not aware of any new information or data that materially affects the information included in this market announcement and that all material assumptions and technical parameters underpinning the estimates in this market announcement continue to apply and have not materially changed.

# REFERENCES



1. ASX Release – 12 May 2025 - Sampling returns 10.61% TREO with 23.56% Nb<sub>2</sub>O<sub>5</sub> and 15.67% Ta<sub>2</sub>O<sub>5</sub> at Harts Range, NT
2. Barfuss, R. (Barfuss Corporation Pty Ltd) 19 November 2007: “A Brief report on Samarskite Mineralisation in the Harts Range Project” (unpublished report) and Barfuss, R. (Barfuss Corporation) 2014: The Harts Range Project Exploration Licence (EL 24552) – inclusive of the following references:
  - a. Caughey, A.R. (Flagstaff Geo Consultants Pty Ltd.), November 2007: Annual Report for Exploration Licence EL24552 for the period ending 25th August 2007 (for Barfuss Corporation Pty. Ltd.)
  - b. Caughey, R. (Flagstaff Geo Consultants Pty Ltd.) 2002 to 2006: various unpublished reports for Barfuss Corporation Pty. Ltd.
  - c. Shaw, R.D., Senior, B.R., Offe, L.A., Stirzaker, J.F., Walton, D.G., Apps, H.E., Freeman, M.J. 1:250,000 Geological Map Series Explanatory Notes Illogwa Creek SF53-15. Bureau of Mineral Resources Australia & Northern Territory Geological Survey, 1985. Note: \* Open file company reports sourced from the Northern Territory Mineral Industry Reports Management System (IRMS). Available at: <https://geoscience.nt.gov.au/gemis/ntgsjspui/handle/1/3>
3. ASX Release – 28 February 2022 & 24 October 2023; and Biggs, M.S. & Reed, G., 2022 Geological Briefing Paper: NWQ Copper Project .Unpublished report
4. ASX Release – 21 January 2025
5. IGO Annual Report 2024
6. Scrimgeour IR, 2013. Chapter 29: Irindina Province: in Ahmad M and Munson TJ (compilers). ‘Geology and mineral resources of the Northern Territory’. Northern Territory Geological Survey, Special Publication 5.
7. Selway K, Heinson G and Hand M, 2006: Electrical evidence of continental accretion: Steeply dipping crustal-scale conductivity contrast. Geophysical Research Letters 33, L06305, doi:10.1029/2005GL025328.
8. 29M Annual Report 2024
9. Hines, A. (2 October 2024) “Is it time to buy commodities?” Shaw & Partners Financial Services Investor Presentation, Perth, 2024
10. Reuters, Western rare earths supply chain springs into gear. Date Accessed: 18 June 2024
11. Forbes, Copper Bulls can see a Record Price of \$12,000/t. Date accessed: 09 May 2024
12. ASX Markets, Company: Date accessed 1 August 2025
13. London Stock Exchange, Company: Date accessed 1 August 2025
14. ASX Release – 4 Mar 2025, Numerous uranium anomalies identified at Harts Range
15. ASX Release – 4 Feb 2025, NFM completes geophysical survey at Harts Range Project, Northern Territory
16. ASX Release – 6 Nov 2024, High grade assays up to 29.80% Nb<sub>2</sub>O<sub>5</sub> & 14.04% U<sub>3</sub>O<sub>8</sub> validate Harts Range Project potential
17. ASX Release – 25 August 2025, Harts Range bulk sample returns 1.72% TREO including 4.51% Nb<sub>2</sub>O<sub>5</sub> and exceptional HREO/TREO ratio of 94.8%
18. <https://www.reuters.com/world/china-hits-back-us-tariffs-with-rare-earth-export-controls-2025-04-04/>
19. ASX Release – 27 May 2025, NFM advances NWQ Copper Project with bulk samples to Mt Kelly Processing Plant
20. <https://www.metal.com/Rare-Earth-Oxides>
21. NFM ASX Release (13 November 2024) - NFM Lodges Mining Lease Application for Big One Copper Deposit
22. NFM ASX Release (18 November 2024) - Binding Commercial Framework with Metallium Post Exceptional Heavy Rare Earth Results from Harts Range