



## **GROWING COPPER-GOLD DISCOVERY WITH TIER 1 INFRASTRUCTURE**

**Annual General Meeting, November 2024**

PHOTO OF COSTEAN OUTCROP SAMPLE FROM MOHAWK

# Statements and Disclaimers

## Competent Persons Statement

The information in this document that relates to all exploration results is based upon information compiled by Mr Robert Watkins. Mr Watkins is a Director and shareholder of the Company and a Member of the AusIMM. Mr Watkins consents to the inclusion in the report of the matters based upon the information in the form and context in which it appears. Mr Watkins has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which is undertaken 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” (JORC Code).

The Information in this document that relates to Mineral Resources is based on information compiled by Mr Paul Payne, a Competent Person who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Payne is a full-time employee of Payne Geological Services and is a Director and shareholder of Carnaby Resources Limited. Mr Payne has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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”. Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

## Forward Looking Statements

Some statements in this document regarding estimates or future events are forward looking statements. They include indications of, and guidance on, future earnings, cash flow, costs and financial performance. Forward looking statements include, but are not limited to, statements preceded by words such as “planned”, “expected”, “projected”, “estimated”, “may”, “scheduled”, “intends”, “anticipates”, “believes”, “potential”, “could”, “nominal”, and similar expressions. Forward looking statements, opinions and estimates included in this document are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward looking statements may be affected by a range of variables that could cause actual results to differ from estimated results, and may cause the Company’s actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward looking statements.

These risks and uncertainties include but are not limited to liabilities inherent in mine development and production, geological, mining and processing technical problems, the inability to obtain any additional mine licenses, permits and other regulatory approvals required in connection with mining and third party processing operations, competition for among other things, capital, acquisition of reserves, undeveloped lands and skilled personnel, incorrect assessments of the value of acquisitions, changes in commodity prices and exchange rate, currency and interest fluctuations, various events which could disrupt operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions, the demand for and availability of transportation services, the ability to secure adequate financing and management’s ability to anticipate and manage the foregoing factors and risks. There can be no assurance that forward looking statements will prove to be correct. The Board has no intention to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this Presentation, except where required by law or the ASX listing rules.

The Company has concluded it has a reasonable basis for providing the forward-looking statements included in this document, including with respect to any production targets and financial estimates, based on the information contained in this document.

This document does not constitute investment advice and has been prepared without considering the recipients investment objectives, financial circumstances or particular needs and the opinions and recommendations in this document are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments. To the fullest extent of the law, the Company, its officers, employees, agents and advisors do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinion, estimates, forecasts or other representations contained in this document. No responsibility for any errors or omissions from the document arising out of negligence or otherwise is accepted.

## Disclaimer

References may have been made in this document to certain ASX announcements, including references regarding exploration results and mineral resources. For full details, refer to said announcement on said date. The Company is not aware of any new information or data that materially affects this information other than as specified in this document and the mentioned announcements, the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources, Exploration Target(s) or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.







# CORPORATE OVERVIEW

A growing copper gold company

# Corporate Overview

## STRUCTURED FOR EXPLORATION SUCCESS



### CORPORATE STRUCTURE<sup>1</sup>

Shares on Issue	171.9M
Share Price	\$0.37
Unlisted Options	4.4M
Market Cap	\$64M
Cash @ 31 September 2024	\$7.0M

### MAJOR SHAREHOLDERS<sup>2</sup>

Top 20 Shareholders	33.4%
Board/Management	11.6%

### EXPERIENCED BOARD

Peter Bowler	Non-Executive Chairman
Rob Watkins	Managing Director
Greg Barrett	Non-Executive Director
Paul Payne	Non-Executive Director

### BROKER COVERAGE

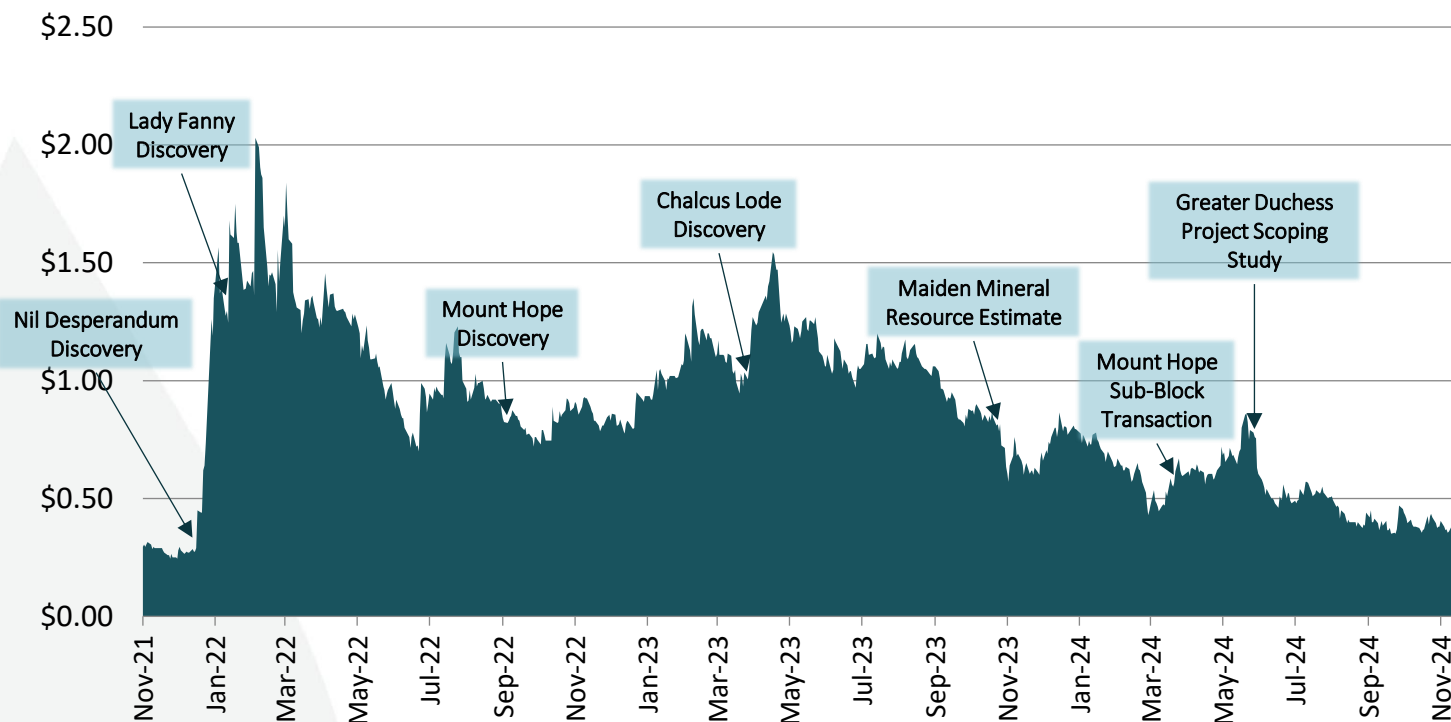
EUROZ HARTLEYS



MACQUARIE



### SHARE PRICE PERFORMANCE<sup>2</sup>



<sup>1</sup>AS AT 20 NOVEMBER 2024, <sup>2</sup>AS AT 19 NOVEMBER 2024



ANNUAL GENERAL MEETING 2024

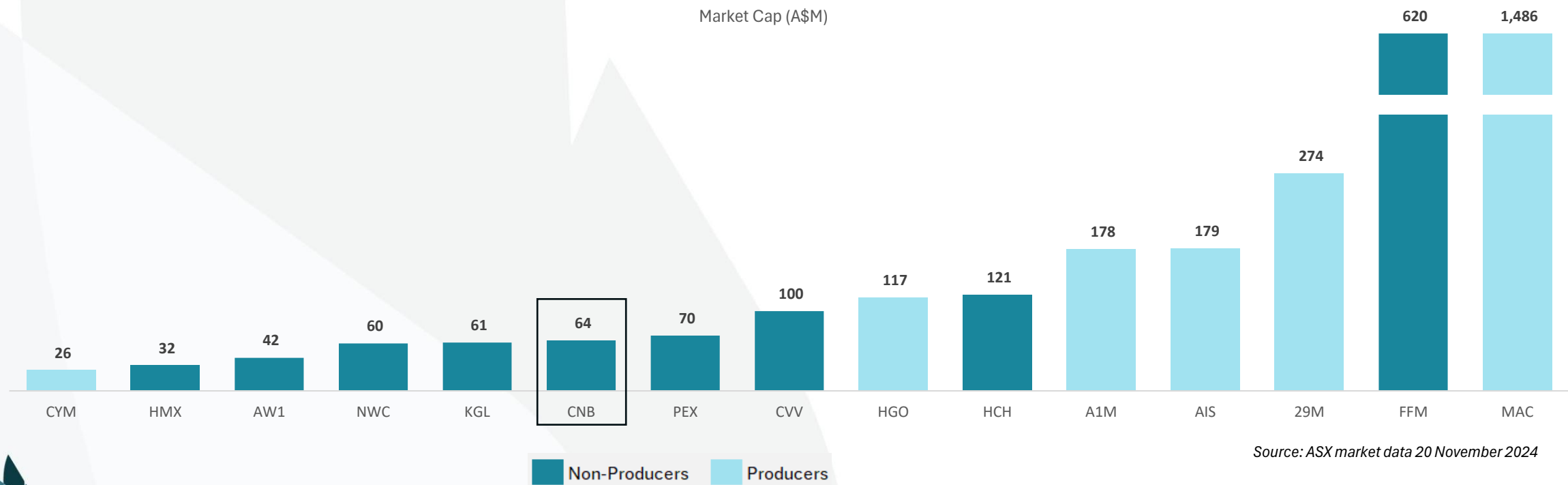


# ASX Copper Developers and Producers

## A TIGHT SPACE



- Most development projects are currently stalled due to significant stand-alone Capex requirements
- Numerous single mine developers and producers
- Opportunity for consolidation



Source: ASX market data 20 November 2024



# Queensland Focused Copper-Gold-Lithium Explorer

## KEY ASSETS IN PROVEN MINING HUBS + BASE METAL PROVINCES

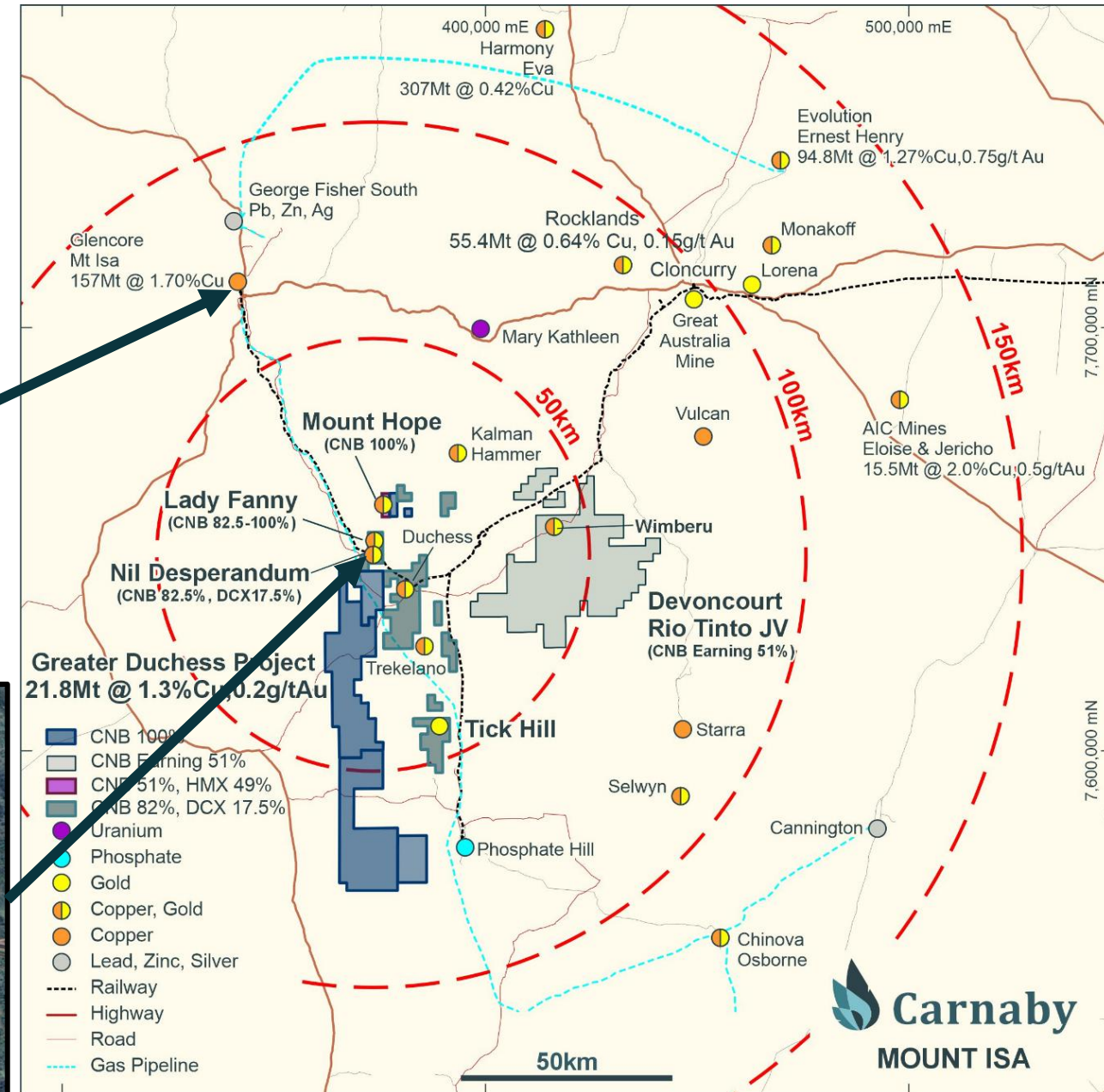
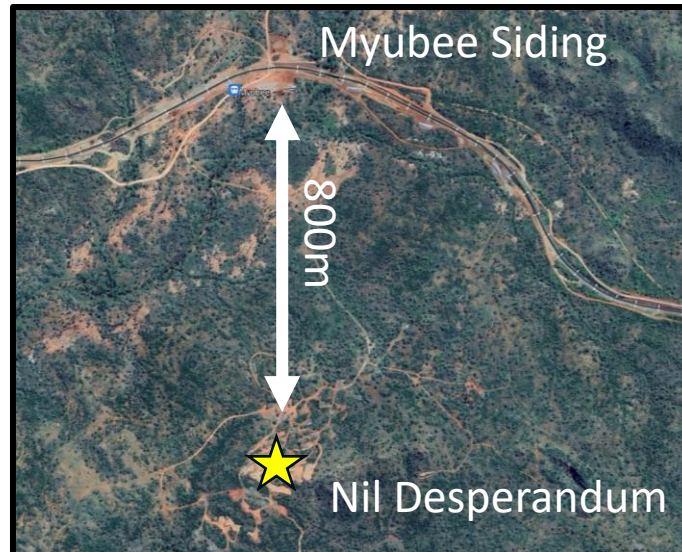
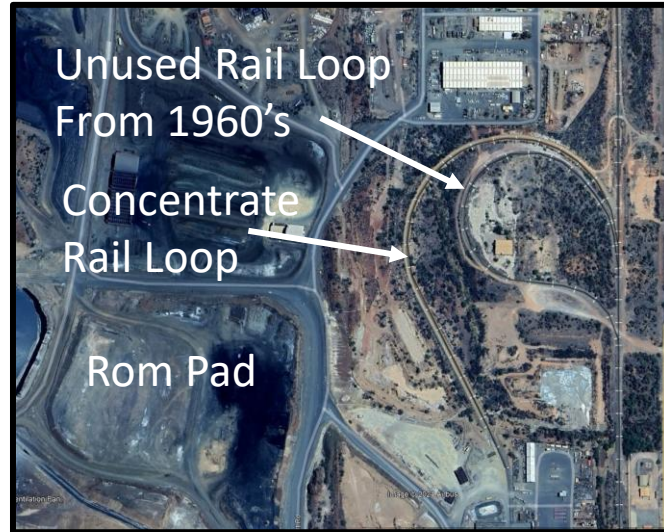


# Greater Duchess Project

## SURROUNDED BY TIER 1 INFRASTRUCTURE

Large 1,946 km<sup>2</sup>  
tenement package<sup>1</sup>

- 70km SE of Mount Isa
- Tier 1 Infrastructure
  - Main Railway passes within 1km of the deposits
  - Gas pipeline 3 km Nil Desperandum
  - Sealed road access to Duchess
- QLD government support for critical minerals in NW Minerals Province



REFER TO THE FOLLOWING MARKET ANNOUNCEMENTS FOR RESOURCES IN DIAGRAM: LON:GLEN 31/12/2022, ASX:EVN 16/02/2023, ASX:C6C 29/03/2022, ASX:A1M 13/07/2023, JSE:HAR 6/10/2022, ASX:CDU 31/10/2017

<sup>1</sup> INCLUDES IN-PROGRESS DEVONCOURT PROJECT FARM-IN, SEE ASX RELEASE DATED 2 AUGUST 2023





# Greater Duchess Copper Gold Project

## A STORY OF DISCOVERY

### New Discovery Potential

Consolidated Mount Hope region has huge potential for additional open pit satellite discoveries.

### Scoping Study

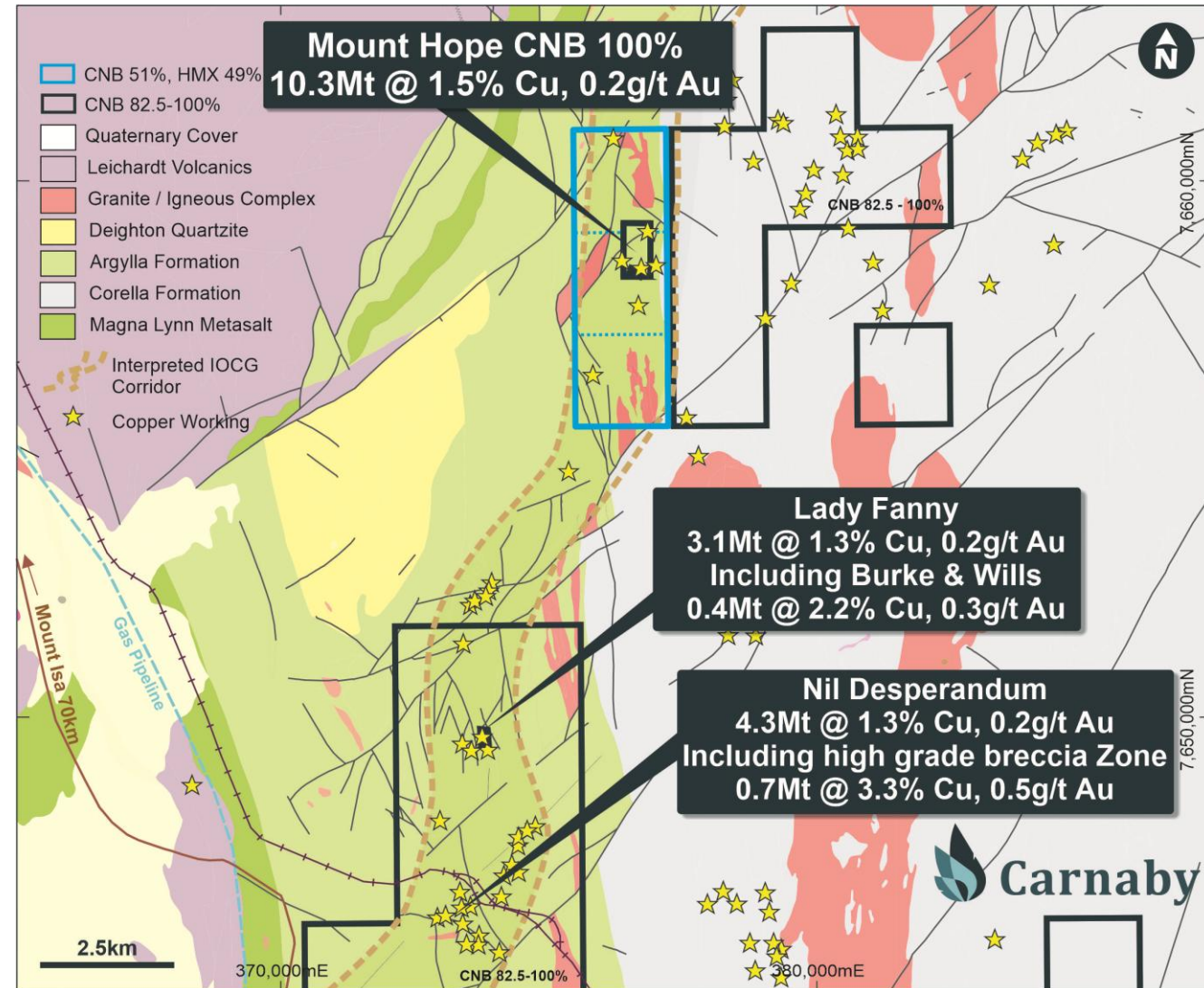
Highlights optionality for low capex (\$35M) start up and longer term stand alone potential.

### Maiden Greater Duchess Mineral Resource

21.8Mt @ 1.3%Cu, 0.2g/t Au for 315CuEq tonnes.

### Nil Desperandum, Lady Fanny & Mount Hope

Three very significant discoveries in the last two and half years in a completely overlooked and underexplored IOCG corridor.







## EXPLORATION

315,000t CuEq discovered by  
Carnaby at the Greater Duchess  
Project in the last 2.5 years

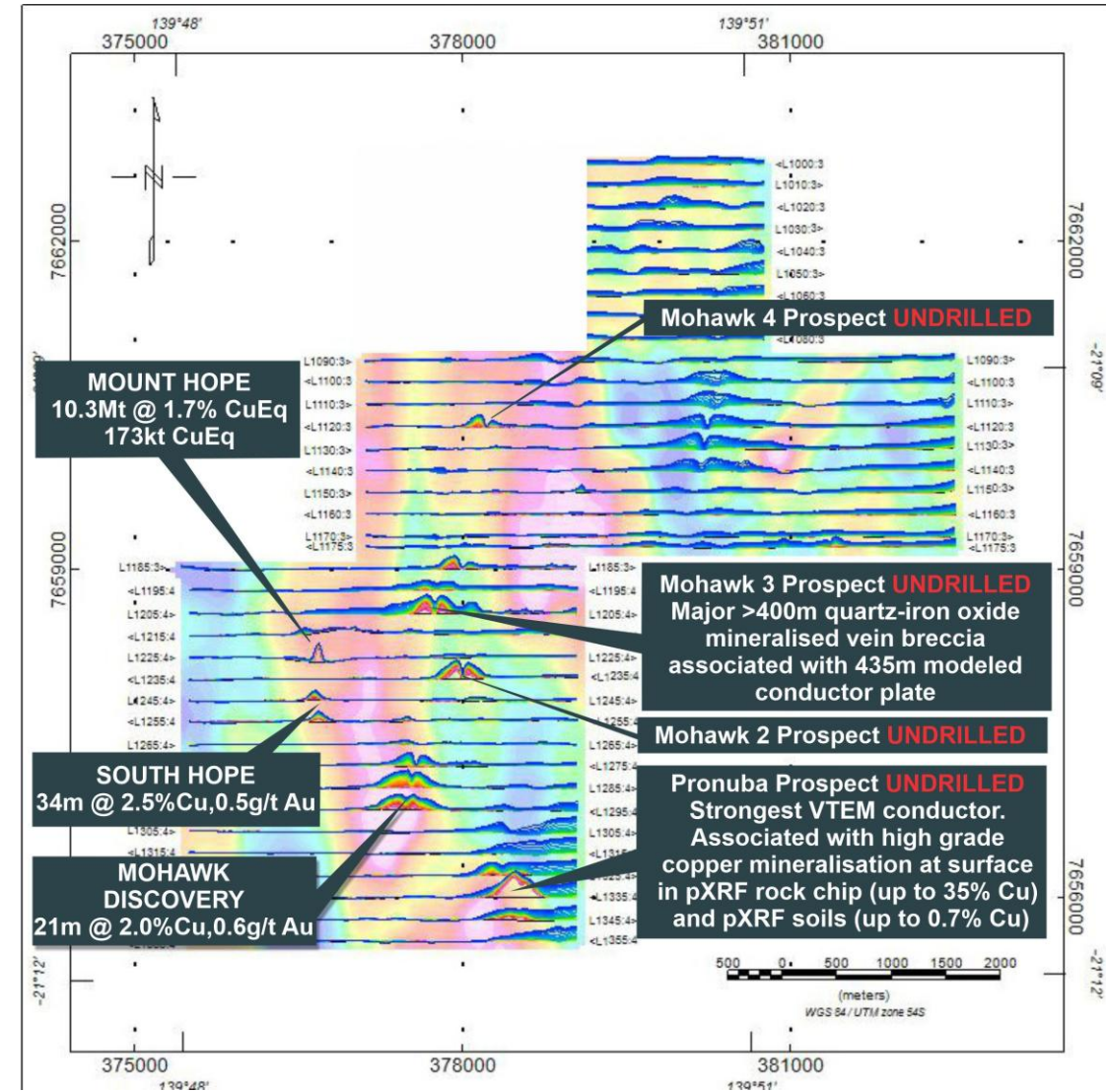
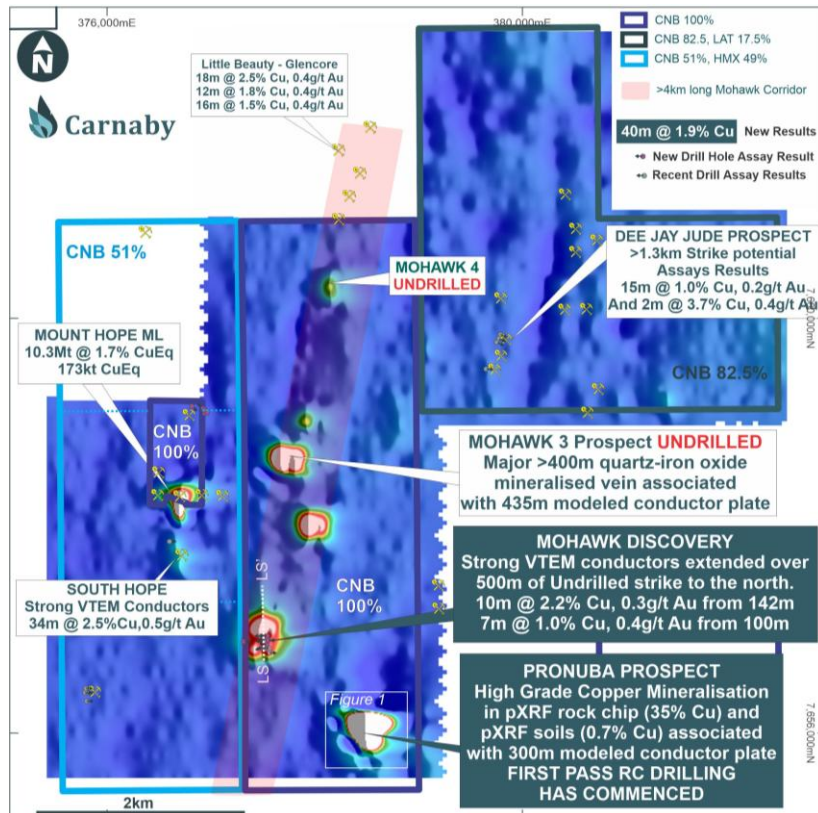
PHOTO OF COSTEAN FROM MOHAWK



# Mount Hope Region (CNB 51-100%)

## EXCEPTIONAL VTEM CONDUCTORS LIGHT UP MOUNT HOPE REGION<sup>1</sup>

- Mohawk Discovery, 21m @ 2.0%Cu, 0.6g/t Au
- 194 line km VTEM survey completed
- >4km Mohawk Corridor, numerous VTEM conductors – **Undrilled**
- Pronuba - Strongest VTEM conductor – **First pass drilling underway**
- Every VTEM conductor to date is associated with copper sulphides



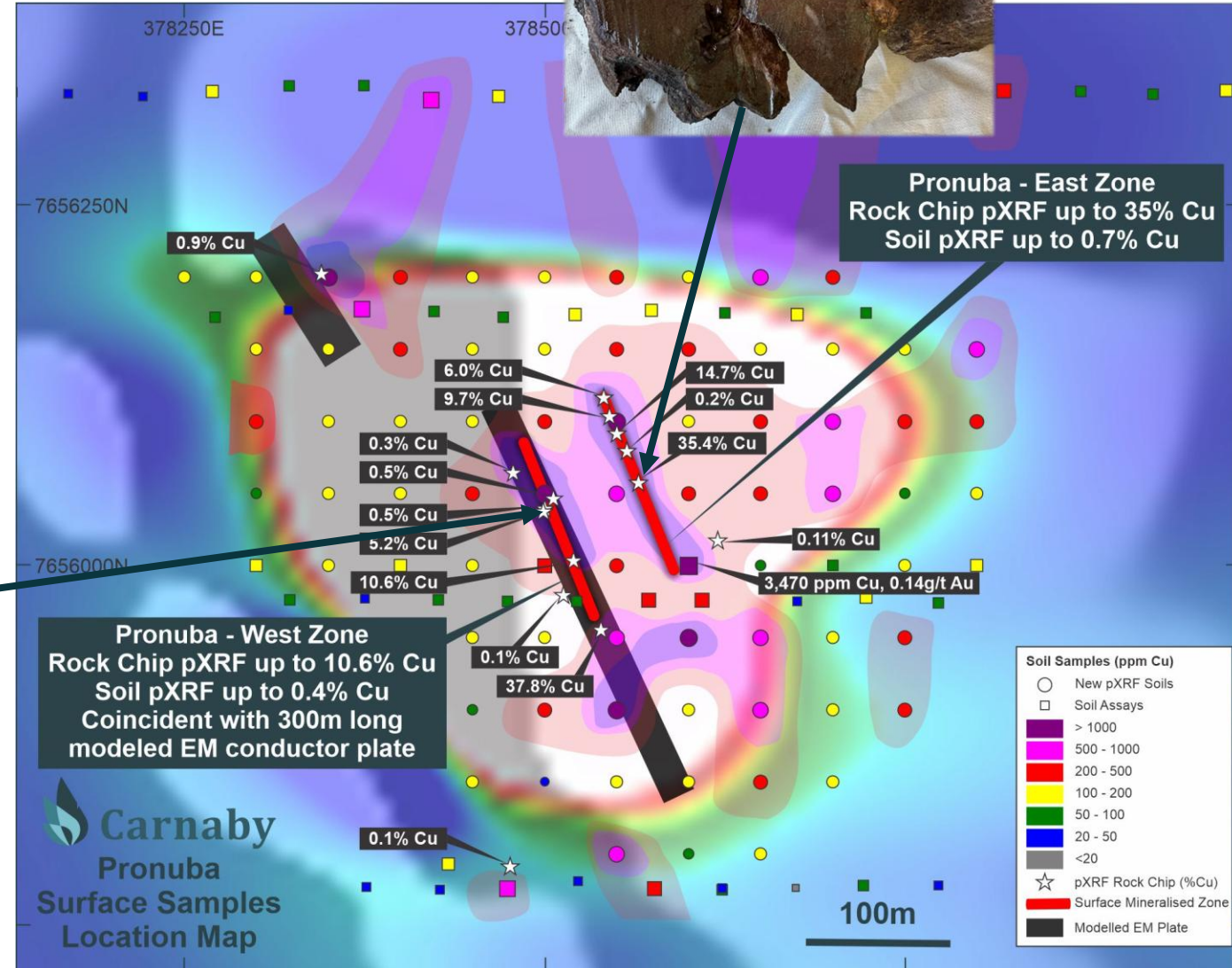
<sup>1</sup> SEE ASX RELEASES DATED 29 AUGUST 2024, 27 SEPTEMBER 2024 & 11 NOVEMBER 2024



# Pronuba Prospect (CNB 100%)

## NEW PREVIOUSLY **UNDRILLED** VTEM CONDUCTOR<sup>1</sup>

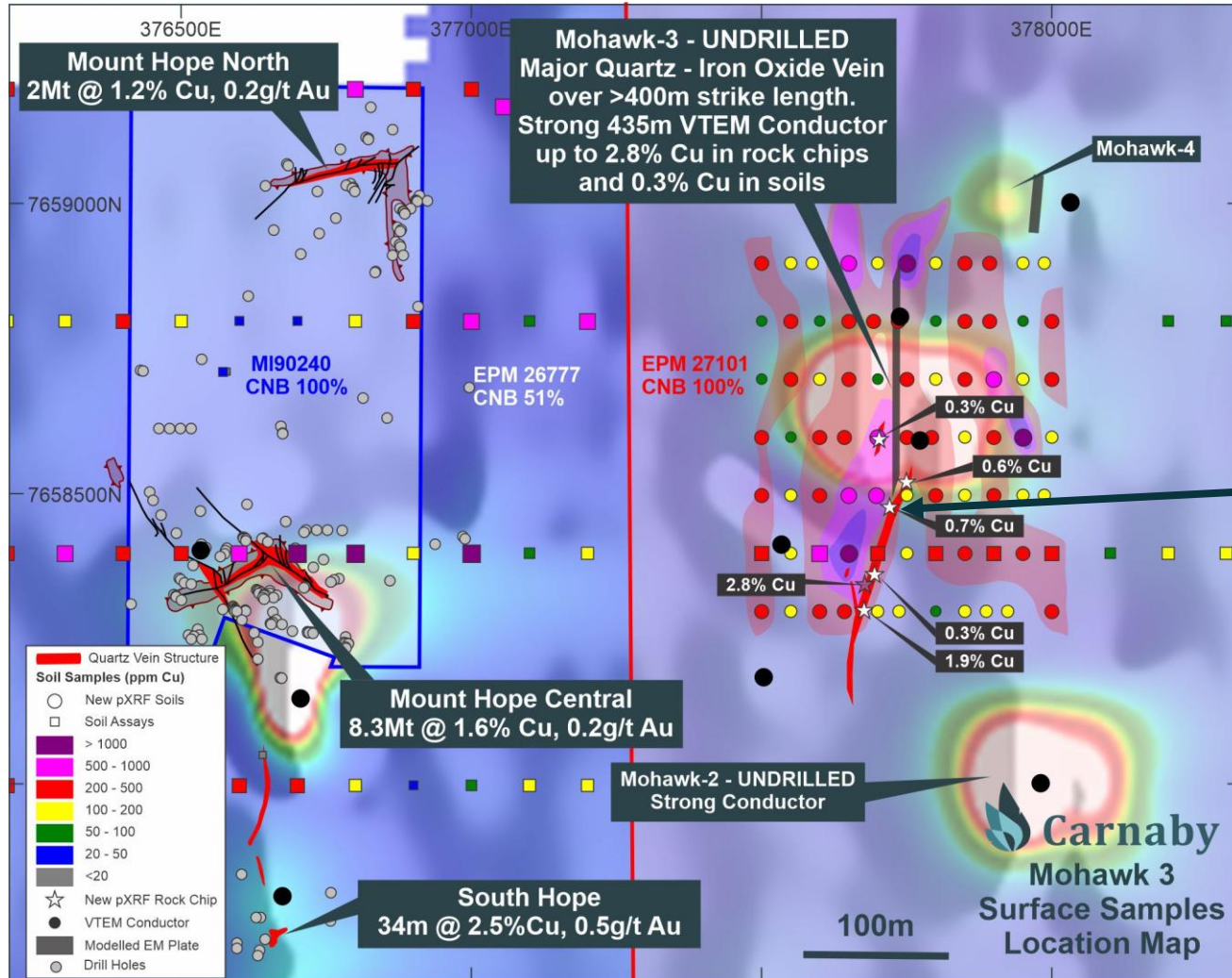
- Strongest VTEM conductor from VTEM survey
- 300m long conductor modelled at 550 Siemen
- High grade surface copper mineralisation present
  - Rock Chip pXRF up to 35.4% Cu
  - >200m high tenor soil anomaly up to 0.73% Cu
- First pass RC drilling has commenced





# Mohawk Corridor (CNB 100%)

## NEW MOHAWK 3 PROSPECT – UNDRILLED VTEM CONDUCTOR<sup>1</sup>



- Located only 1km east of Mount Hope
- >400m strike quartz iron oxide vein breccia
- 435m long conductor modelled at 290 Siemen
- Rock Chips up to 2.8% Cu, soils anomaly to 0.3% Cu
- First pass RC drilling to commence shortly

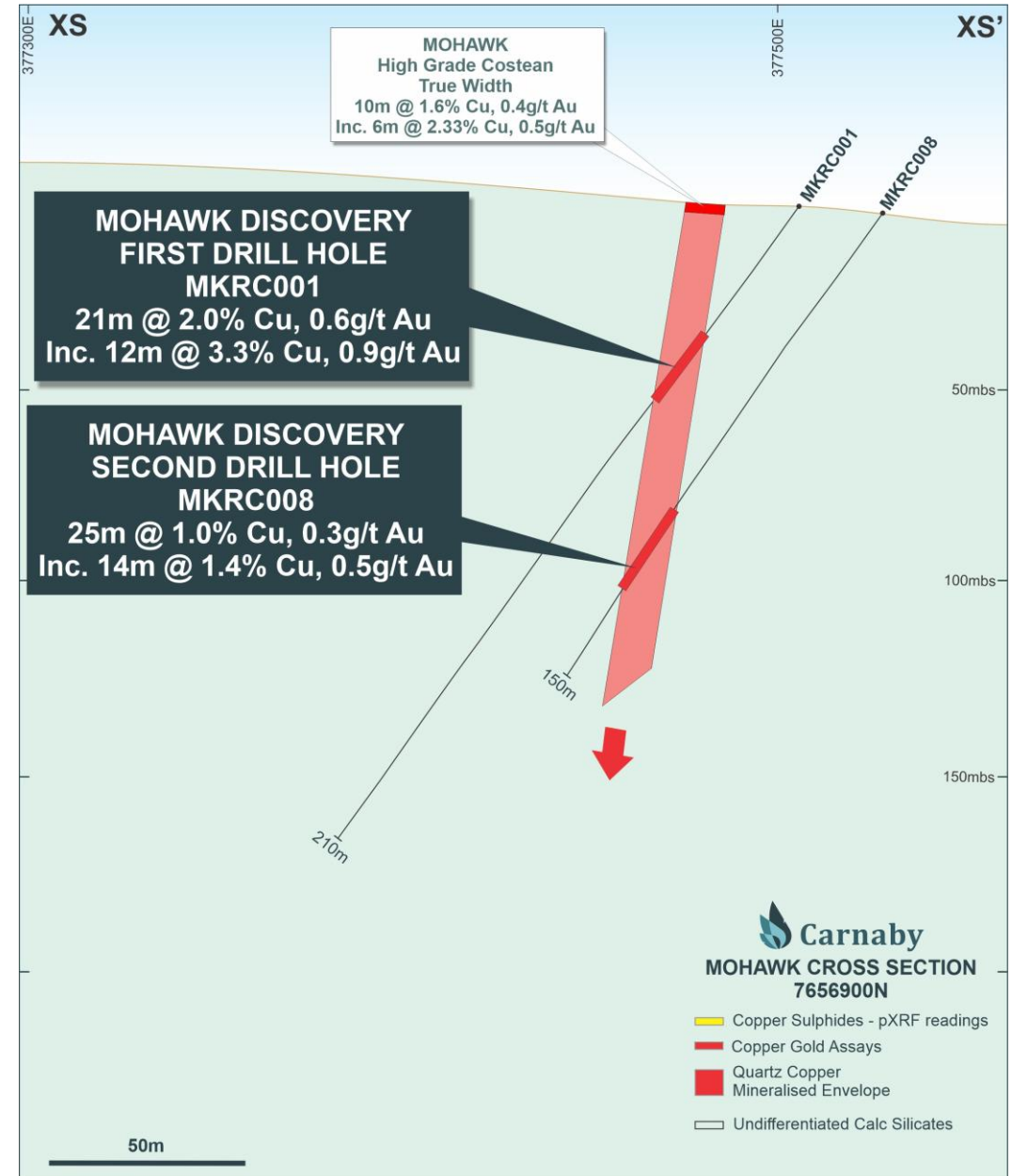
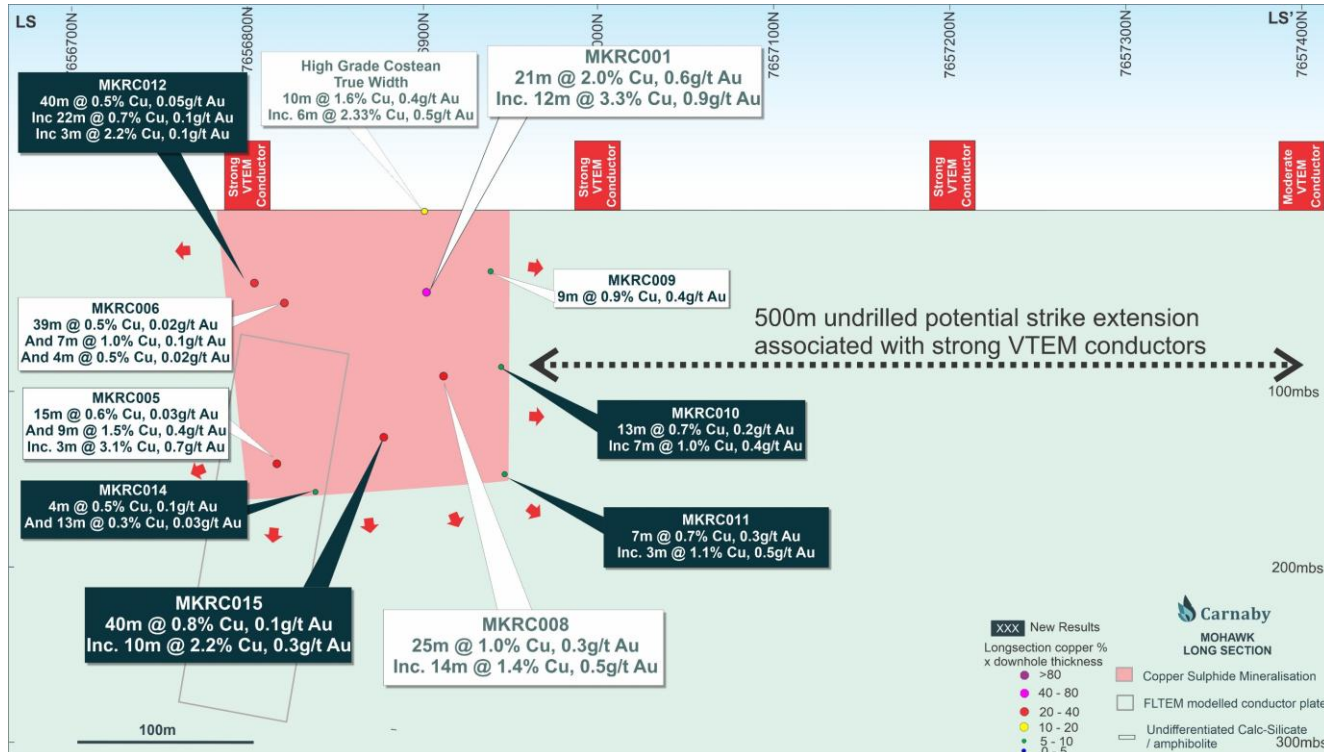




# Mohawk Discovery (CNB100%)

## NEW HIGH GRADE DISCOVERY 1.5KM SE OF MOUNT HOPE<sup>1</sup>

- First drill hole yielded high grade intersection:
  - MKRC001: 21m @ 2.0% Cu, 0.6g/t Au Incl 12m @ 3.3% Cu.
- Open with strong undrilled VTEM conductors over 500m to the north.



# Nil Desperandum Region (CNB:82.5%)

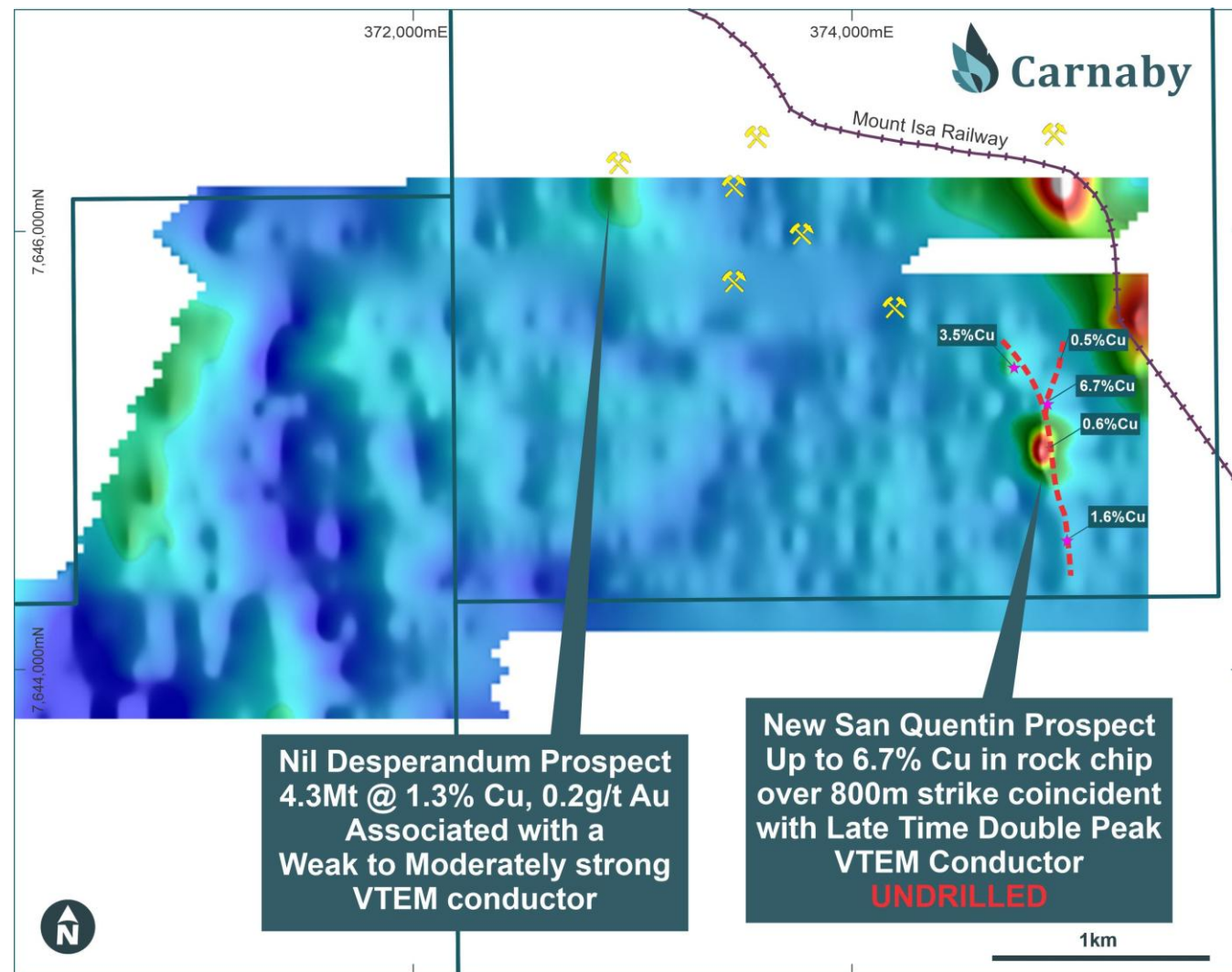
## SAN QUENTIN - MAJOR **UNDRILLED** VTEM CONDUCTOR

### San Quentin Prospect

- 2km SE of Nil Desperandum
- Late channel VTEM conductor
- Coincident with outcropping copper mineralisation with up to 6.7% Cu
- Heritage surveys completed, first pass drilling to commence shortly

### Nil Desperandum Mineral Resource

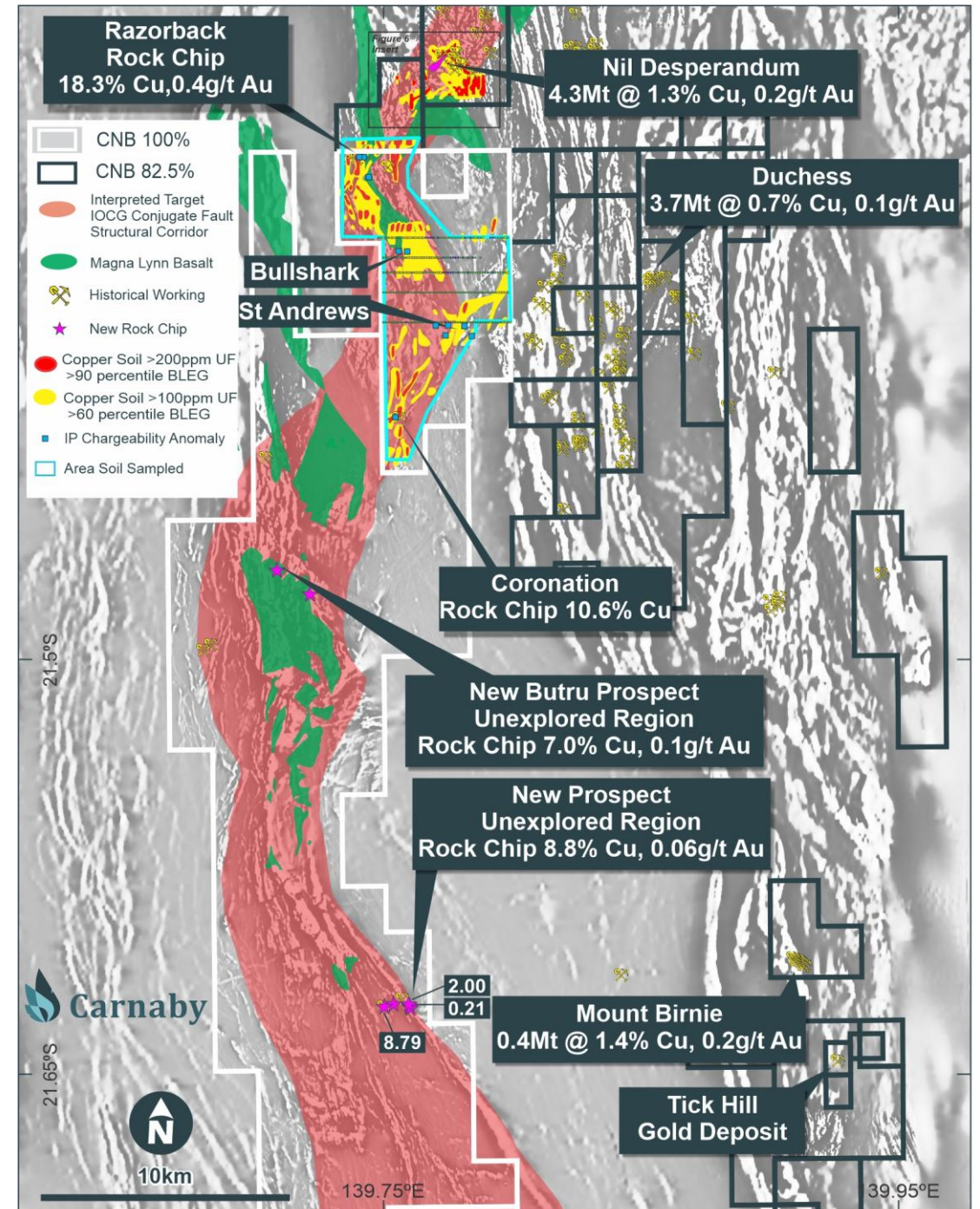
- 4.3Mt @ 1.3% Cu, 0.2g/t Au open to SW
- High grade Breccia Pipe 0.7Mt @ 3.3% Cu, 0.5g/t Au





# Magna Lynn Southern Corridor (CNB:100%)<sup>1</sup>

- Structural and stratigraphic corridor over 75 km of strike
  - Interpreted southern continuation of the Mount Hope to Nil Desperandum IOCG corridor
  - Virtually unexplored with no historic drilling or soil sampling.
  - Numerous historical workings.
- Carnaby has commenced first pass exploration programs;
  - Detailed aeromagnetics and radiometrics completed
  - New unexplored workings including Butru with rock chip results up to 7.0% Cu, 0.1g/t Au
  - Systematic soils sampling underway
  - Numerous new **UNDRILLED** targets identified
    - Razorback
    - Bullshark
    - Coronation
    - St Andrew
    - Butru





# Rio Tinto Devoncourt Project Farm-in

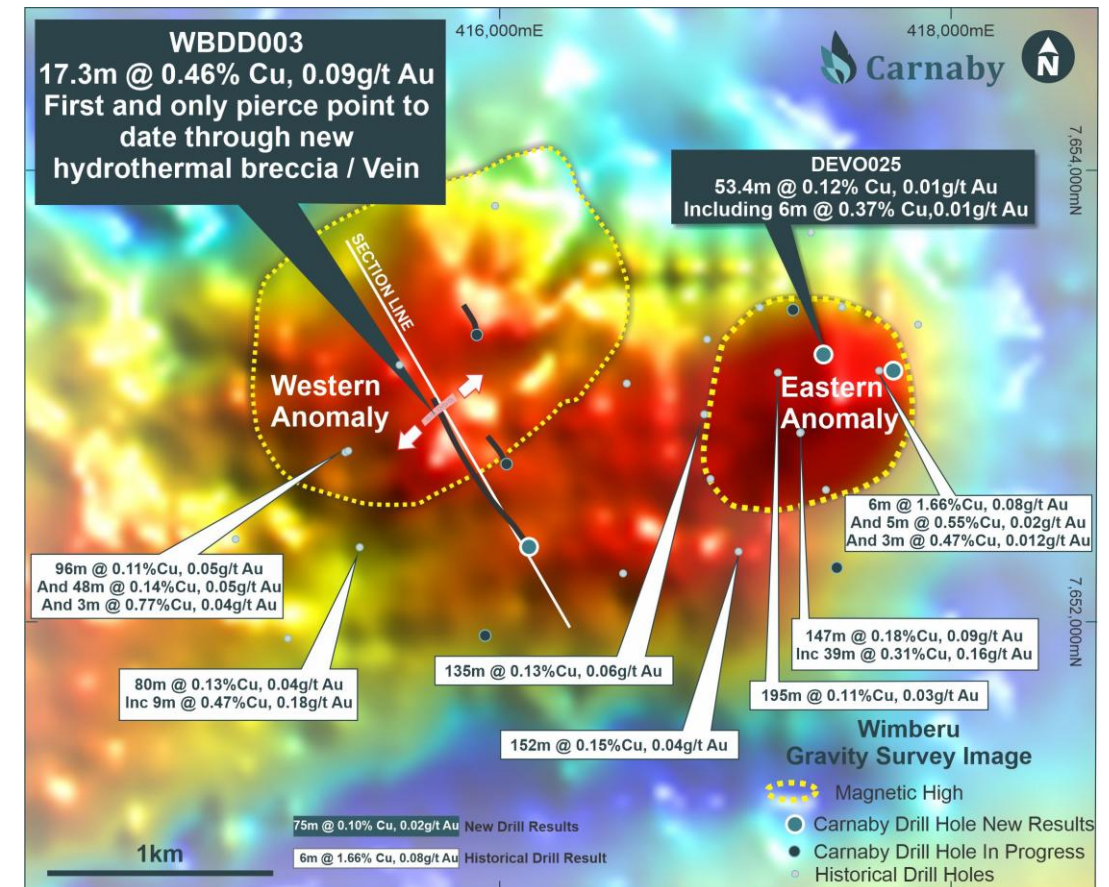
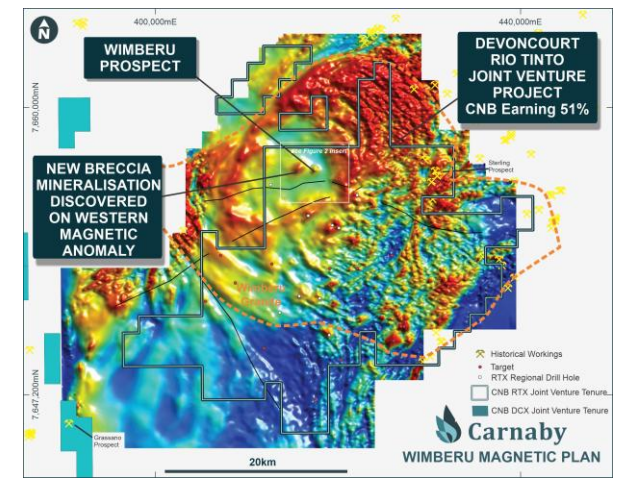
## VERY ENCOURAGING SIGNS FROM MAIDEN DRILLING PROGRAM<sup>1</sup>

### Wimberu Prospect

- Maiden drill program intersected highly encouraging breccia style mineralisation of 17.3m @ 0.46% Cu, 0.09g/t Au.



- The new 17m downhole breccia and vein zone is completely open and untested in all directions and may represent a feeder zone structure not previously intersected in drilling.
- Extremely broad 300m - 1,000m hole spacings completed by Rio Tinto for 25 diamond holes, mostly vertical drilling
- A unique opportunity to explore a Tier 1 sized target.
- Carnaby earning a 51% interest over 5 years by spending \$5,000,000.







## DEVELOPMENT

Optionality to develop a low  
Capex start up or Standalone  
project

PHOTO OF COSTEAN FROM MOHAWK

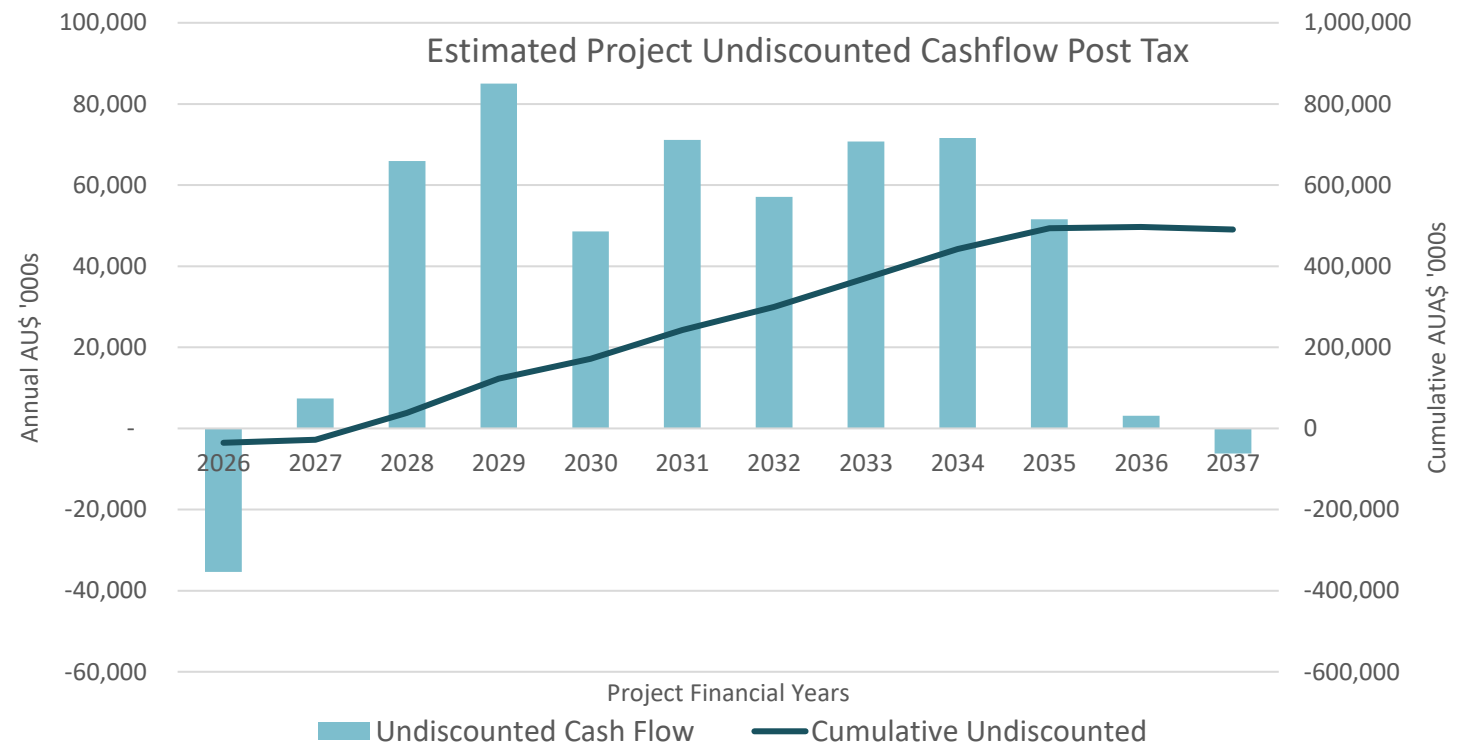
# Greater Duchess Copper Gold Project

## SCOPING STUDY RESULTS<sup>1</sup> (PRE FEASIBILITY STUDY IN PROGRESS)

- Low ~A\$35M Pre-production Capex Third Party Processing development optionality.
- Predicting fast payback with high IRR and consistent operational cash flows.
- Conservative Optimisation and Design pricing assumptions using A\$12,000t (Spot ~A\$14,000t) fixed the Mineral inventory cut off grades.

Estimated Financial Outcomes	Units	Third Party Processing	Stand-alone Processing
Undiscounted Net Cash Flow (post tax)	\$M	491	546
Undiscounted Net Cash Flow (pre-tax)	\$M	715	824
NPV <sub>7%</sub> (post tax)	\$M	294	272
IRR (post tax)	%	105	34
Payback Period	Years	2.4	3.9
Pre-production Capital	\$M	35	174

Commodity Price Assumptions	Units	Optimisation and Design	Financial Model
Copper Price	A\$/lb	5.44	6.80
Copper Price	A\$/tonne	12,000	15,000
Gold Price	A\$/oz	2,950	3,500





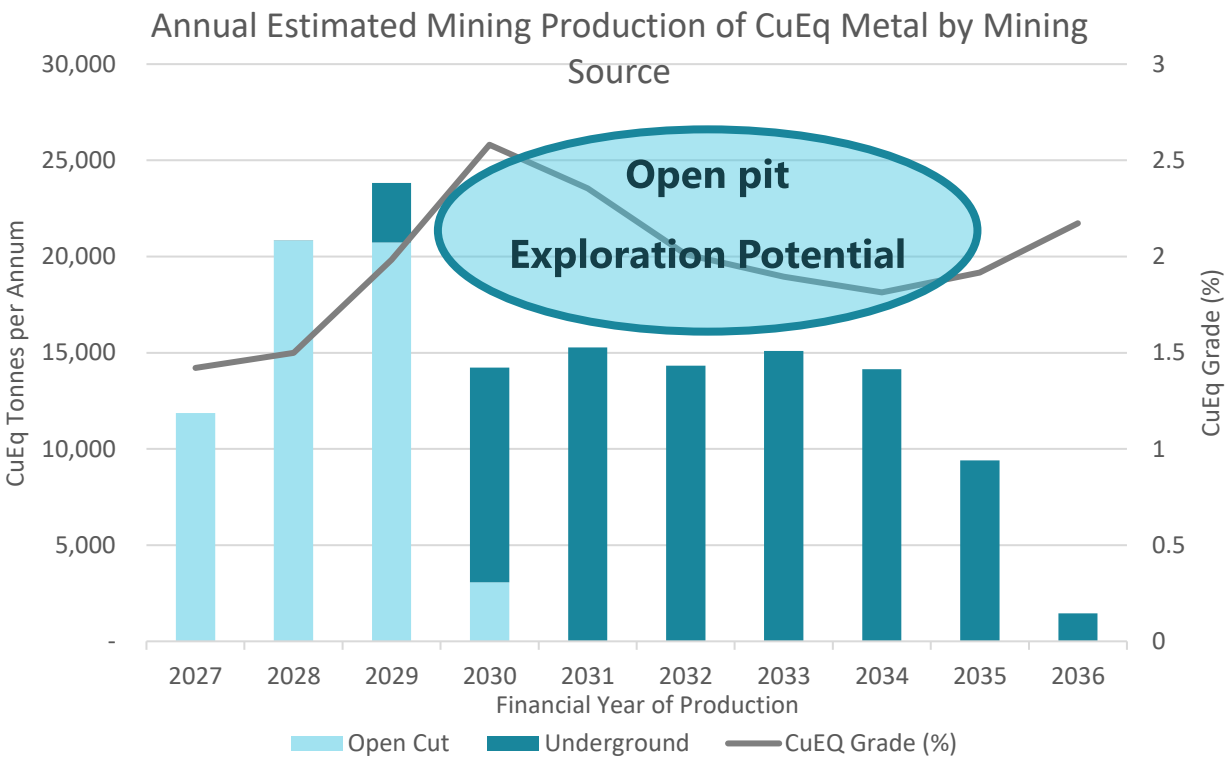
# Greater Duchess Copper Gold Project

## SCOPING STUDY RESULTS<sup>1</sup> (PRE FEASIBILITY STUDY IN PROGRESS)

- 9-year target 7.5Mt @ 1.9% CuEq, 140,000t CuEq.
- 3-year open pit average: 1.1Mt @ 1.7% CuEq, 19,000t pa
- 6-year underground average: 0.7Mt @ 2.1% CuEq, 14,000t pa

Open Cut Production Targets	COG (CuEq) (%)	Ore Tonnes (Mt)	Cu Grade (%)	Au Grade (g/t)	CuEq Grade (%)	Strip Ratio (t:t)
Mount Hope Total	0.65	1.69	1.54	0.16	1.64	13.3
Lady Fanny Total	0.71	1.39	1.50	0.26	1.64	9.8
Nil Desperandum Total	0.63	0.31	1.00	0.19	1.12	16.4
Total Open Cut		3.39	1.47	0.20	1.59	12.1

Underground Production Targets	CoG (CuEq)	Ore Tonnes (Mt)	Cu Grade (%)	Au Grade (g/t)	Ore CuEq (%)	Development Metres	
						Horizontal	Vertical
Mount Hope Central	1.41	3.29	1.74	0.29	1.94	11,850	1,090
Nil Desperandum	1.53	0.79	2.60	0.42	2.86	6,709	753
Total Underground		4.08	1.91	0.32	2.12	18,650	1,843



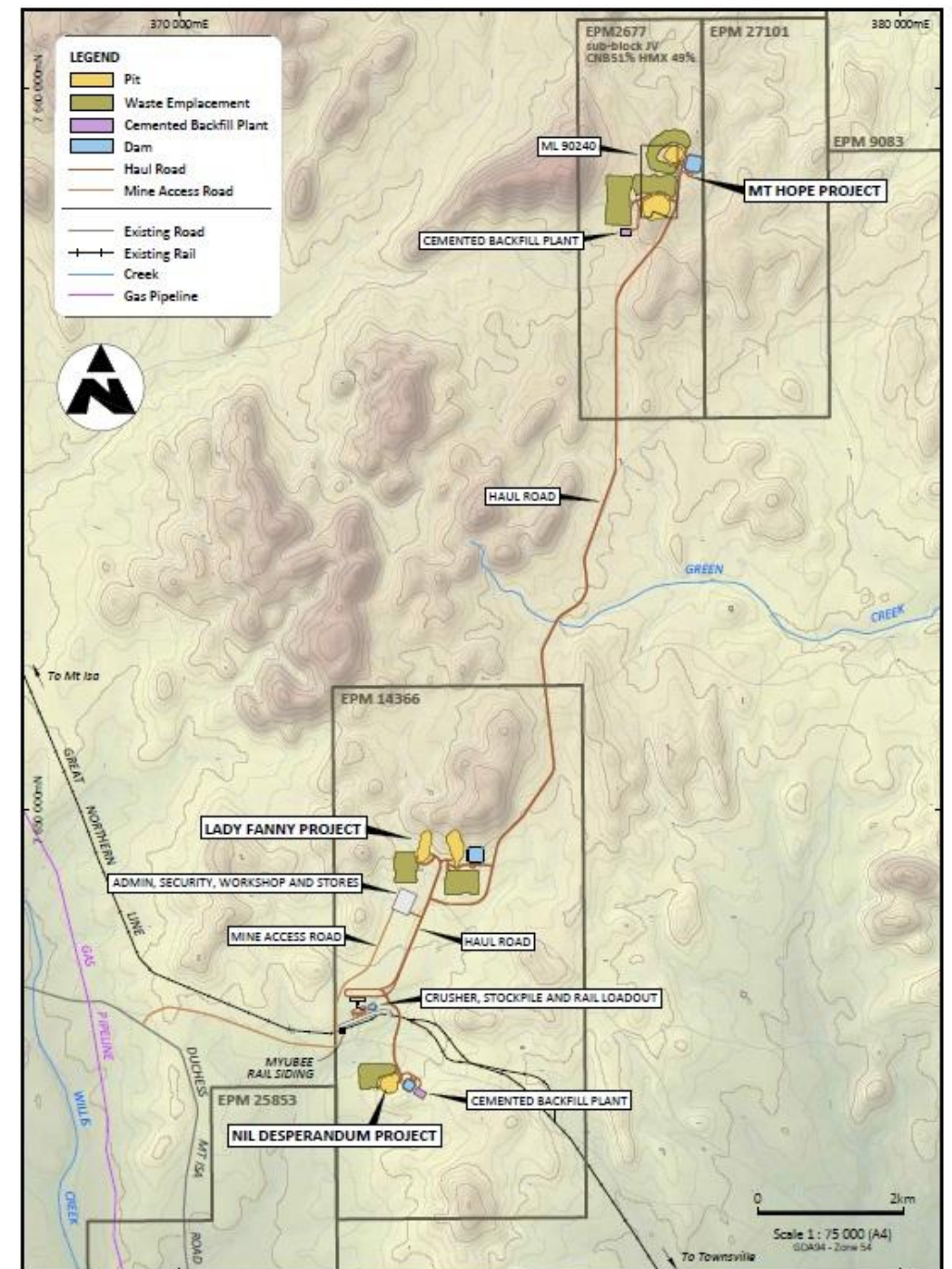
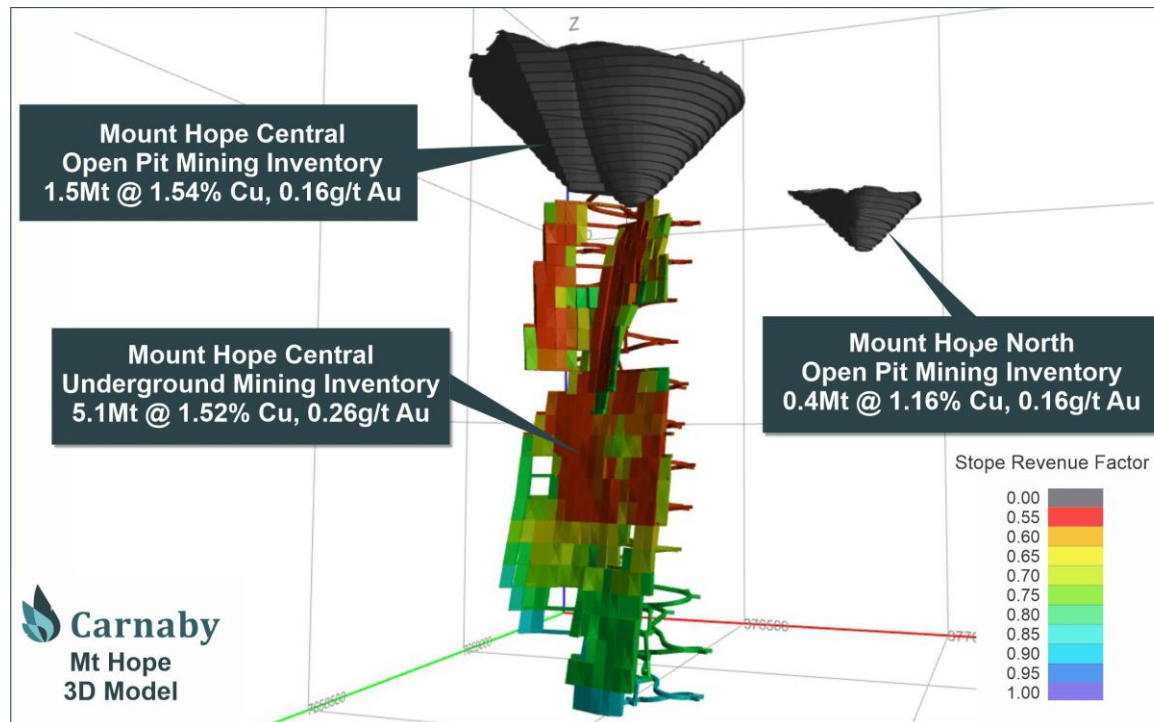
<sup>1</sup> REFER TO ASX RELEASE DATED 30 MAY 2024

# Greater Duchess Scoping Study

## LOW CAPEX DIRECT RAIL HAULAGE OPTION<sup>1</sup>

- Low Estimated Pre-Production Capex: ~A\$35M
  - A\$15M – Ore loadout crusher rail siding facility, road works
  - A\$13M – Camp, Admin, Mining Infrastructure
  - A\$7M - Contingencies

<sup>1</sup> REFER TO ASX RELEASE DATED 30 MAY 2024





# Greater Duchess Copper Gold Project

## OUTLOOK

- High potential for new discoveries in first pass drilling of VTEM conductors which has commenced this week
- Target open pit mineral resource growth
- PFS study on track to be completed mid 2025
  - Resource extension and infill drilling
  - Geotechnical drilling – completed
  - Metallurgical Studies – mostly completed
  - Permitting and baseline studies
  - Mining and civil engineering studies
- Low Capex start up utilising existing infrastructure and nearby processing facilities remains the preferred development option

Work Program	CY'24		CY'25		CY'26		CY'27		CY'28		CY'29	
	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
Exploration Drilling												
Scoping Study												
Resource to Reserve Drilling and Geotech												
Metallurgical Testwork												
JORC Resource Update												
Pre-Feasibility Study												
Third Party Processing and Offtake Agreements												
Mining Lease Applications and Permitting												
Open Pit Project Development and Construction												
Open Pit Production												
Underground Project Development												
Underground Production												





**UNCOVER MORE AT**  
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# Appendix 1

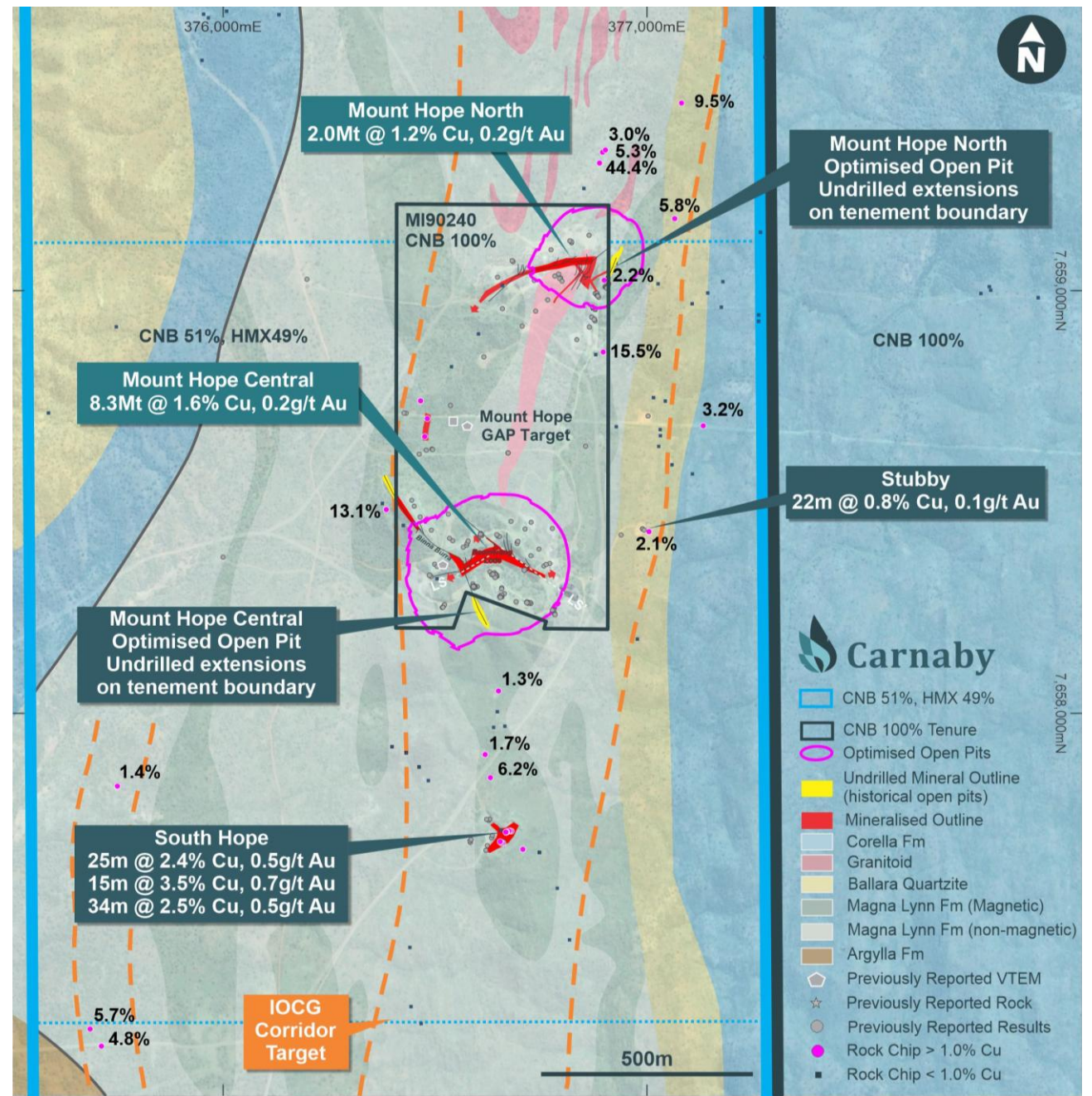
Carnaby Resources Limited Greater Duchess Copper Project - Cu Equivalent Cut-off <sup>1</sup>																						
Mineral Resource Inventory as at 27 October 2023																						
Deposit	COG CuEq %	Indicated							Inferred							Total						
			Cu	Au	CuEq	Cu	Au	CuEq		Cu	Au	CuEq	Cu	Au	CuEq		Cu	Au	CuEq	Cu	Au	CuEq
		Mt	%	g/t	%	t	oz	t	Mt	%	g/t	%	t	oz	t	Mt	%	g/t	%	t	oz	t
Mt Birnie	0.5	-	-	-	-	-	-	-	0.44	1.4	0.2	1.5	6,300	2,300	6,800	0.4	1.4	0.2	1.5	6,300	2,300	6,800
Duchess	0.5	-	-	-	-	-	-	-	3.66	0.7	0.1	0.8	26,300	11,300	28,800	3.7	0.7	0.1	0.8	26,300	11,300	28,800
Nil Desp OP	0.5	2.47	0.8	0.1	0.9	18,800	11,300	21,300	0.06	0.7	0.1	0.7	400	200	500	2.5	0.8	0.1	0.9	19,300	11,500	21,800
Nil Desp UG	1.0	0.81	2.6	0.4	2.9	21,000	10,700	23,300	0.90	1.5	0.4	1.8	13,400	11,200	15,900	1.7	2.0	0.4	2.3	34,400	21,800	39,200
Lady Fanny	0.5	1.50	1.2	0.2	1.3	17,900	9,800	20,000	1.18	1.1	0.3	1.3	13,200	9,500	15,300	2.7	1.2	0.2	1.3	31,100	19,300	35,300
Burke&Wills	0.5	0.20	2.7	0.3	2.8	5,400	1,700	5,700	0.24	1.8	0.3	2.0	4,300	2,100	4,800	0.4	2.2	0.3	2.4	9,700	3,800	10,500
Mt Hope OP	0.5	2.74	1.4	0.2	1.5	38,600	15,300	41,900	1.11	1.1	0.1	1.2	12,500	5,000	13,600	3.8	1.3	0.2	1.4	51,100	20,400	55,500
Mt Hope UG	1.0	4.19	1.7	0.3	1.9	72,800	38,600	81,200	2.23	1.4	0.3	1.6	32,100	19,200	36,200	6.4	1.6	0.3	1.8	104,900	57,800	117,500
CNB Total		11.9	1.5	0.2	1.6	174,500	87,500	193,600	9.8	1.1	0.2	1.2	108,600	60,700	121,800	21.8	1.3	0.2	1.4	283,100	148,200	315,400



# Mount Hope (CNB 51-100%)

## HIGH POTENTIAL FOR ADDITIONAL DISCOVERIES<sup>1</sup>

- Consolidation of tenure around the Mount Hope mining lease allows for optimal development and exploration of the camp scale IOCG mineralised footprint.
- >5km strike of the Mount Hope IOCG corridor with strong potential for direct lode extensions and satellite deposits to be discovered and developed.
- **Major RC drilling exploration program is in progress at numerous new open pit targets in the Mount Hope Region.**





# Strelley Gold & Lithium Project (CNB: 80-100%)

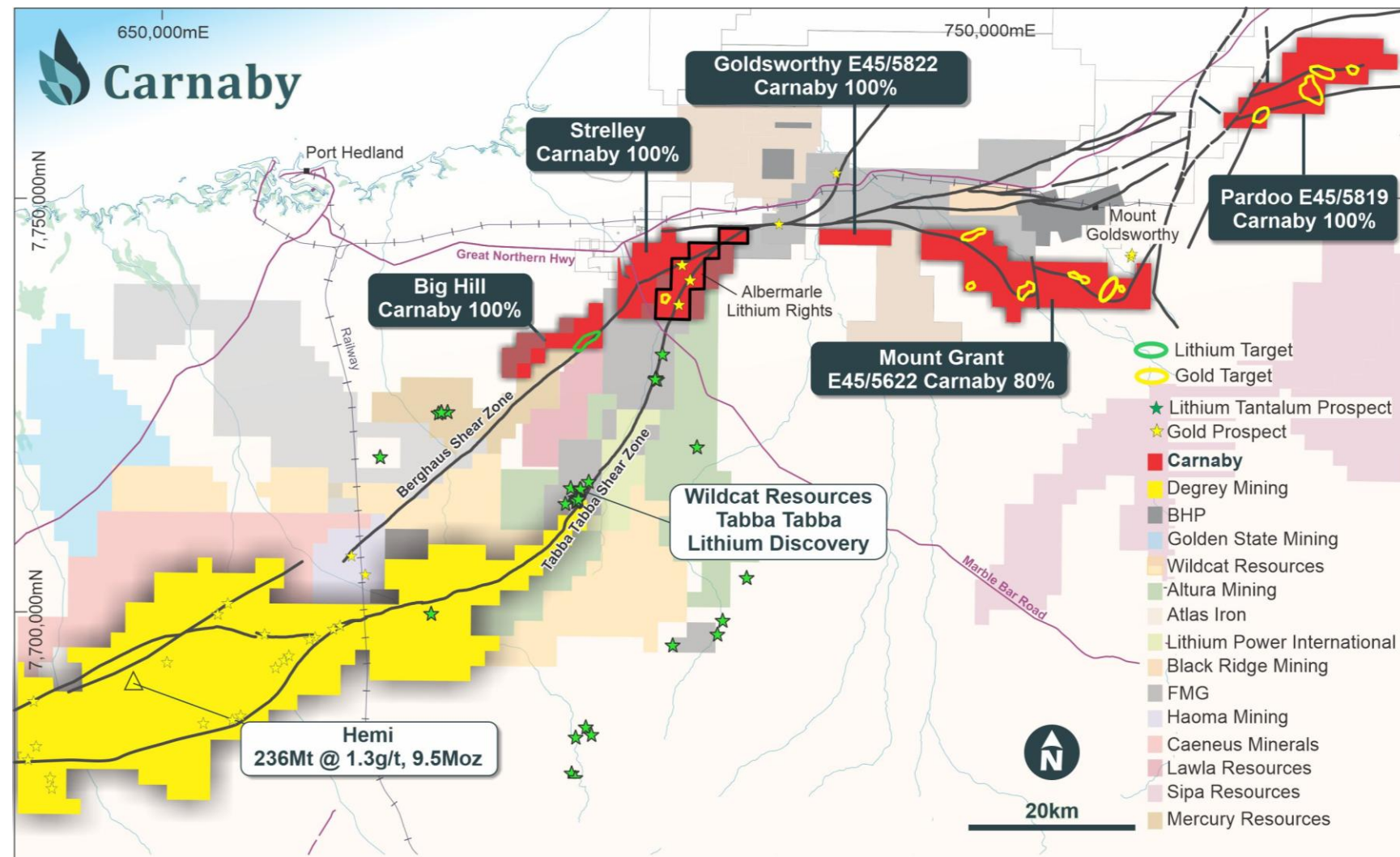
## MALLINA BASIN – PILBARA WA

### Strelley Gold Corridor

- 70 km NE of De Grey Mining's (ASX: DEG) Hemi Gold Deposit
  - ❖ 236Mt @ 1.3g/t for 9.5Moz<sup>1</sup>
- Intrusion hosted “Hemi Style” gold mineralisation intersected in drilling at Strelley inc. 7m @ 2.8g/t Au inc 2m @ 8.8g/t Au<sup>2</sup>.

### Lithium Corridor Potential

- 20 km North of Wildcat Resources (ASX: WC8) Tabba Tabba Lithium Project.
- Big Hill and Sisters Well lithium targets.



<sup>1</sup> SEE DE GREY MINING LTD'S (ASX DEG) ASX RELEASE DATED 31 MAY 2022. <sup>2</sup>SEE ASX RELEASE DATED 27 OCTOBER 2021.



# Malmac Project (CNB:100%)

## COPPER AND LITHIUM ANOMALIES

### Salvation Copper Prospect Discovery

- 3 km long by 1 km wide zone of highly anomalous copper in rock chip and soil geochemistry.
  - Maximum rock chip results:
    - **1.2% Cu pXRF**
    - **0.6% Cu Assay**
- Little-known outcrop of pillow basalt, potentially equivalent to the Narracoota Volcanics in the Byrah Basin.

### Large Lithium Soil Anomaly

- 7 km long undrilled lithium soil anomaly.
  - **4 km long Li soil anomaly at plus 80ppm Li open.**
  - Core 1.3 km long Li soil anomaly at plus 100ppm Li open.
  - Maximum soil Li results 133ppm Li.

