





# High-Grade Copper and Gold

Significant and immediate growth through the drill bit

- Company led by former Bellevue Gold and Northern Star executives with a proven track record
- Rapid resource growth in 2024 Increased to 24.4Mt for 460kt M&I plus 34.6Mt @ 690kt inferred
- Building world-class scale
- Exceptional infrastructure includes operational underground, shaft, processing plant, deep water port and hydro power
- Canada a Tier one mining jurisdiction

February 2025

**RRS Brisbane Investor Presentation** 

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### NO NEW INFORMATION OR DATA - GREEN BAY AND PICKLE CROW PROJECTS

This presentation contains references to the Mineral Resource Estimate at the Green Bay Project which have been extracted from the Company's ASX announcement dated 29 October 2024, titled "Resource increases 42% to 1.2Mt of contained metal at 2% Copper Eq". Refer to Appendix 2 for a full break-down of the Green Bay Mineral Resource Estimate. This presentation also contains references to the Inferred Mineral Resource Estimate at the Pickle Crow Project (currently 11.9Mt at 7.2g/t for 2.8Moz gold) which have been extracted from the Company's ASX announcement dated 4 May 2023, titled "High-Grade Inferred Gold Resource Grows to 2.8Moz at 7.2g/t".

Metal equivalents for the Mineral Resource Estimate mineralisation at the Green Bay Project have been calculated at a copper price of US\$8,750/t, gold price of US\$2,500/oz and silver price of US\$25/oz. Individual Resource grades for the metals are set out at Appendix 2 of this announcement. Copper equivalent was calculated based on the formula  $CuEq(\%) = Cu(\%) + (Au(g/t) \times 0.82190) + (Ag(g/t) \times 0.00822)$ . Metallurgical factors have been applied to the in-situ metal equivalent calculation. Copper recovery used was 95%. Historical production at the Ming Mine has a documented copper recovery of ~96%. Precious metal metallurgical recovery was assumed at 85% on the basis of historical recoveries achieved at the Ming mine in addition to historical metallurgical test work to increase precious metal recoveries.

Metal equivalents for the drilling at the Green Bay Project have been calculated at a copper price of US\$8,300/t, gold price of US\$2,000/oz, silver price of US\$25/oz and zinc price of \$2,500/t. Copper equivalent was calculated based on the formula CuEq (%) = Cu(%) + (Au (g/t) x 0.77472) + (Ag (g/t) x 0.00968) + (Zn (%) x 0.3012). No metallurgical recovery factors have been applied to the exploration results.

In the opinion of the Company, all elements included in the metal equivalent calculations have a reasonable potential to be sold and recovered based on current market conditions, metallurgical test work, and the Company's operational experience.

This presentation also contains references to certain Exploration Results that were first reported in accordance with ASX Listing Rule 5.7 in the Company's announcements of 28/01/2020, 26/03/2020, 21/09/202

FireFly confirms that it is not aware of any new information or data that materially affects the information included in the original announcements and that all material assumptions and technical parameters underpinning the mineral resource estimates in the original announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

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## **FINANCIAL DATA**

All dollar values are in Australian dollars (A\$ or AUD) unless otherwise stated. The information contained in this presentation may not necessarily be in statutory format. Amounts, totals and change percentages are calculated on whole numbers and not the rounded amounts presented.

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# **Investment Highlights**



# Rapid low-cost growth through the drill bit - a proven strategy for value creation



# **GREEN BAY COPPER GOLD**

- High grade copper and gold in Newfoundland Labrador, Canada
- Large M&I resource of 24.4Mt for 460kt contained metal at 1.9% and Inferred Resource of 34.6Mt for 690kt contained metal at 2% copper equivalent<sup>1</sup>
- A\$250M of mine infrastructure
- Significant and immediate growth drilling 130,000m in 2025



## PICKLE CROW GOLD

- **High grade gold** in Ontario, Canada
- 2.8Moz @ 7.2g/t gold resource
- Inferred resource remains open
- Significant landholding with huge exploration upside
- A major gold mining district



## PROVEN TRACK RECORD

- Management team with a proven track record of creating significant value for shareholders and stakeholders
- Recent success with ASX200
  Bellevue Gold from discovery to production in only 5 years
- Well-funded with ~A\$84.1M cash, receivables and liquid investments<sup>2</sup>

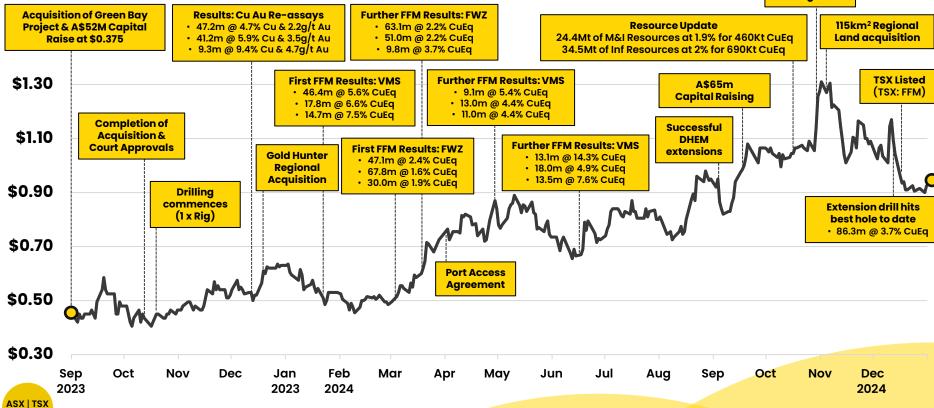


# Significant Delivery in 2024 .....2025 has plenty more to come

FFM



4 Drill Rigs Underground



# FireFly's greatest hits to date



# Reflecting on a spectacular first year of world-class drill results

# **High Grade Upper Copper-Gold VMS Zone**

- 10.7m @ 12.2% CuEq (9.0% Cu & 3.6g/t Au) MUG24\_095
- 5.4m @ 12.2% CuEq (8.6% Cu & 4.0g/t Au) MUG24\_023
- **3.2m @ 11.8% CuEq** (2.9% Cu & 10.4g/t Au) мис23\_037
- **26.0m** @ **8.2%** CuEq (6.1% Cu & 2.4g/t Au) MUG23\_030
- 13.5m @ 7.6% CuEq (5.3% Cu & 2.6g/t Au) MUG23\_029
- 14.7m @ 7.5% CuEq (2.6% Cu & 5.5g/t Au) MUG23\_004
- 17.3m @ 7.4% CuEq (7.0% Cu & 0.4g/t Au) мисега\_ове
- 7.0m @ 7.4% CuEq (4.4% Cu & 2.7g/t Au) MUG24\_038
- 17.8m @ 6.6% CuEq (4.4% Cu & 2.2g/t Au) MUG23\_003
- **46.4m @ 5.6% CuEq** (4.6% Cu & 1.2g/t Au) MUG23\_006
- **9.1m @ 5.4% CuEq** (3.1% Cu & 2.4g/t Au) мис24\_018
- 22.2m @ 5.1% CuEq (2.1% Cu & 4.1g/t Au) MUG24\_058

# **Broad Footwall Copper Stringer Zone**

- 86.3m @ 3.7% CuEq (3.1% Cu & 0.6g/t Au) MUG24\_079
- 31.7m @ 3.5% CuEq (3.4% Cu & 0.1g/t Au) MUG24\_063
- 58.2m @ 3.1% CuEq (2.4% Cu & 0.7g/t Au) MUG24\_083
- 76.3m @ 2.9% CuEq (2.4% Cu & 0.5g/t Au) MUG24\_073
- 37.4m @ 2.7% CuEq (2.6% Cu & 0.1g/t Au) MUG24\_016
- **56.8m @ 2.7% CuEq** (2.5% Cu & 0.1g/t Au) MUG24\_058
- 47.lm @ 2.4% CuEq (2.3% Cu & 0.2g/t Au) MUG23\_014
- 63.lm @ 2.2% CuEq (2.0% Cu & 0.lg/t Au) MUG24\_004
- 51.0m @ 2.2% CuEq (2.1% Cu & 0.1g/t Au) MUG24\_009
- 43.2m @ 2.2% CuEq (2.1% Cu & 0.1g/t Au) MUG24\_041

NOTE: Intersections highlighted in red are from the Company's latest drill release



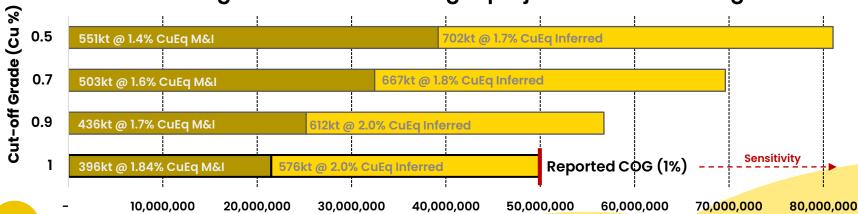
# 2024 Delivery of a large-scale high-grade resource



# Green Bay Mineral Resource Estimate<sup>1</sup>

	TONNES	COPPER		GOLD		SIL	CuEq	
	(Mt)	Grade	Metal	Grade	Metal	Grade	Metal	Grade
		(%)	(′000 t)	(g/t)	('000 oz)	(g/t)	('000 oz)	(%)
Measured	4.7	1.7	80	0.3	45	2.3	340	1.9
Indicated	19.7	1.7	330	0.2	154	2.6	1,600	1.9
TOTAL M&I	24.4	1.7	400	0.3	199	2.5	2,000	1.9
Inferred	34.6	1.7	600	0.3	348	3.1	3,400	2.0

# The Ming Mine<sup>2</sup> is an even larger project at lower cutoff grades



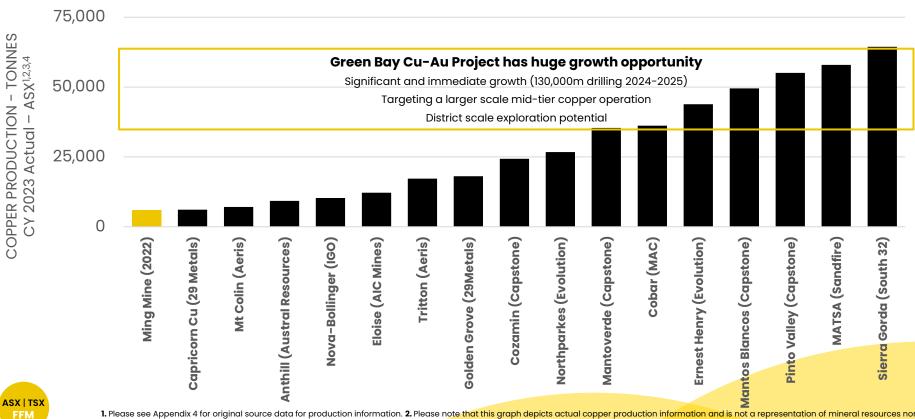


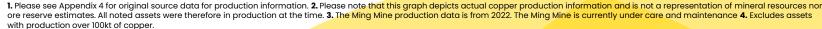
Ming Mine Resource Tonnes

# A Lack of Copper Opportunities on the ASX



Very few ASX-listed companies with over 30,000 tonnes of attributable copper production 2023-2024





# Green Bay Copper & Gold - A Company Making Project



	GREEN BAY FireFly	MCILVENNA BAY FORAN	COBAR  METALS  ACQUISITION  CORP	ERNEST HENRY  Evolution  Queensland, Australia  Production  M&I: 70.0Mt @ 1.3% for 910kt Cu  Inferred: 31.5Mt @ 1.15% for 360t Cu		
Location	Newfoundland, Canada	Saskatchewan, Canada	NSW, Australia			
Stage	Pre-Development	Development	Production			
Resource <sup>1,3</sup>	M&I: 24.4Mt @ 1.7% for 400kt Cu Inf: 34.6Mt @ 1.7% for 600kt Cu	M&I: 39.1Mt @ 1.2% for 470kt Cu Inferred: 5.1Mt @ 0.94% for 50kt Cu	<b>M&amp;I:</b> 16.5Mt @ 4.7% for <b>780kt Cu</b> Inferred: 3.6Mt @ 5.4% for <b>190kt Cu</b>			
	Co-products Au, Ag  Proportional 88% Copper Metal 12% Coproducts	Co-products Zn, Pb, Au, Ag  Proportional 51% Copper Metal 49% Coproducts	Co-products Ag  Proportional 97% Copper Metal 3% Coproducts	Co-products Au  Proportional 70% Copper Metal 30% Coproducts		
Production <sup>2</sup>	Upscaled Restart Studies in Progress	DFS Milled 1.51Mtpa Grade 1.23% Cu ave Metal 16,000t Cu avg	2024F Mined 1.2Mt Grade 3.3% Cu <b>Metal 39,700t Cu</b>	FY23A Milled 5.8Mt Grade 0.8% Cu <b>Metal 47,348t Cu</b>		
Mine Infrastructure <sup>2</sup>	950m decline and shaft (6m x 3m)	Yet to be built	~1,900m decline and shafts	~1,000m shaft only (6m x 6m)		
Acquisition Cost <sup>2</sup>	<b>A\$0.065B</b> (Oct 2023)	N/A (1998)	<b>A\$1.5B</b> (June 2023)	<b>A\$1.9B</b> (Nov 2016 and Nov 2021)		

Please see Appendix 1 for details of the Green Bay mineral resource estimate.



Please see Appendix 5 for source references for McIlvenna Bay (Foran), Cobar (Metals Acquisition Corp.) and Ernest Henry (Evolution Mining) production and feasibility results noted in the above table.
 Please refer to Appendix 6 for details on the McIlvenna Bay, Cobar and Ernest Henry mineral resource estimates, including breakdown of resource and reserve categories.

# **Exceptional Share Register and Strong Balance Sheet**



# Well-funded to deliver strong velocity of news flow through 2025

CAPITAL STRUCTURE	CURRENT		
Shares on issue	563.8M <sup>1</sup>	A\$0.96	~A\$540M
Management performance rights	<b>36.2M</b> <sup>2</sup>	Current Share Price <sup>1</sup>	Market Capitalisation <sup>1</sup>
SHAREHOLDER SUMMARY <sup>3</sup>			
Board & Management (fully diluted)	10%	2.4M	~A\$84.1M
Australian & Global Institutions	60%		
BlackRock Group	13%	Average Daily Volume <sup>4</sup>	Cash Position <sup>5</sup>

## **GLOBAL BANKING & RESEARCH**



























# **Board and Management**





**Kevin Tomlinson** 

Independent Non-Executive Chair

Non-Executive Independent Chair of Bellevue Gold (ASX200), former Chair of Cardinal Resources and Non-Executive director of Centamin PLC.

Highly experienced mining executive with over 40 years' experience across geology, investment banking and M&A in multiple jurisdictions including Canada, Australia, Africa and the UK.

Previous Managing Director of Investment Bankina at Westwind Partners and Stifel Nicolaus.





**Steve Parsons** 

## **Managing Director**

Founder and Previous Managing Director and current Non-Executive director of **Bellevue Gold** (ASX 200) and previous founder and Managing Director **Gryphon** Minerals (ASX 200).

Experienced aeologist with a proven track record of mineral discoveries, corporate growth, international investor relations and creating shareholder wealth.



**Michael Naylor** 

## **Executive Director**

Non-Executive Director of Bellevue Gold (ASX200) and former Non-Executive Director of Cyanus Metals.

27 years' experience in corporate advisory and public company management since commencing his career and qualifying as a chartered accountant.

Involved in the financial management of mineral and resources focused public companies servina on the board and in the executive management teams.



## Jessie Liu-Ernsting

## Independent Non-Executive Director

VP investor relations at G **Mining Ventures Corp** (TSX:GMIN). Director of the **Prospectors & Developers Association of Canada** (PDAC).

Previously has held senior technical, financial and strategic positions at Hudbay Minerals Inc (NYSE:HBM), alobal investment fund Resource Capital Funds and engineering groups Hatch and Golder Associates as well as investment banking at CIBC Capital Markets.

Ms Liu-Ernsting is also experienced in areas of corporate board audit, compensation, technical and special committees.



## Renée Roberts

## Independent Non-Executive Director

Previously held C-Suite and director roles at large corporations including National Australia Bank, QBE and Bank of New Zealand as well as at the Australian **Prudential Regulatory** Authority (APRA).

Finance professional with considerable experience in risk management, financial services, governance, regulation, business transformation and growth, efficiency, strategic leadership, strategy development and execution.

Currently the Chief Risk Officer officer at Judo Bank and Director of Collingwood Football Club.



**FireFly** 

## **Darren Cooke**

## **Chief Executive** Officer

Previously held senior positions with **Northern Star** Resources, Newmont Mining and Barrick Gold.

Geologist with over 27 years' experience. Extensive gold industry experience in Australia and North America spanning regional and near mine exploration, production geology, engineering planning and corporate development.

Previous positions include Kalgoorlie district geology manager for Barrick Gold and Principal Geologist -Business Development for Northern Star Resources.



# Significant value drivers throughout 2025 "5 in 2025"





Continue **increasing the copper-gold Mineral Resource** by extending the known mineralisation in both the **upper high-grade VMS** and **broad footwall zone** 



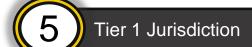
**Converting** Inferred Resources to **Measured & Indicated**; M&I tonnes are worth **more** than Inferred, representing a huge opportunity to create value

3 New Discoveries

Drilling will test **compelling new targets**, including **potential in-mine repetitions**, **mine extensions**, **adjacent historic mines and greenfields opportunities**; These all have scope to create substantial, **rapid value** 

Global Scale

FireFly sees significant potential for a market re-rate as upcoming mining studies are expected to make it increasingly clear that Green Bay is a large, long-life project with a substantial production profile and robust economics

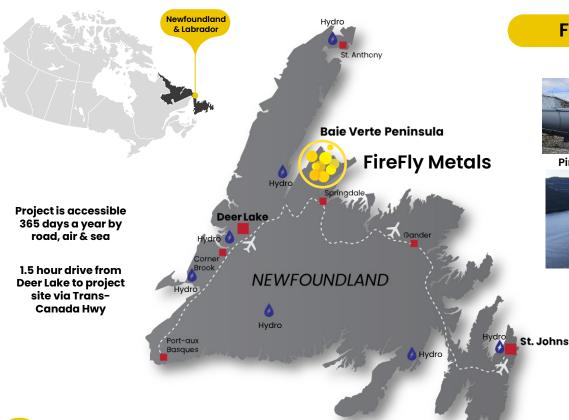


Value created via these four means will be greatly enhanced by Green Bay's highly favourable location, which delivers security of tenure, extensive infrastructure and opportunities to access hydro power, critical minerals funding initiatives and deep pools of investment capital



# Newfoundland – A Maritime and Mining Province





## FireFly Metals Green Bay Operations

Ming Copper Mine



Pine Cove Deepwater Port



**Fully Operational Mine** 



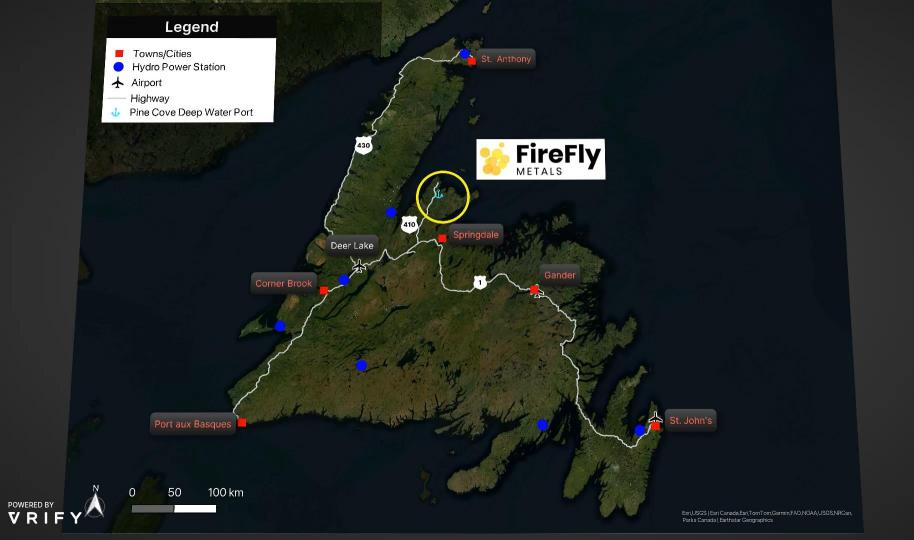




# **True Tier 1 Mining Jurisdiction**

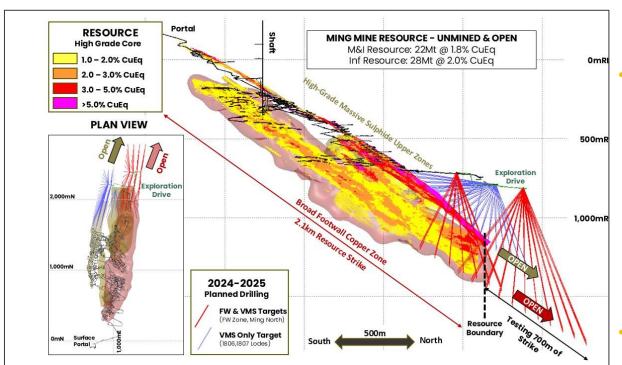
- Strong government support
- Rated Top 10 2023 Fraser Institute
- Skilled mining workforce readily available
- Track record of expedited mine permitting
  - Mining sector contributes +32% to GDP<sup>1</sup>
- Hydro Power abundant throughout Newfoundland





# Low-cost step-out growth, high value-add Infilling and discovery drilling throughout 2025





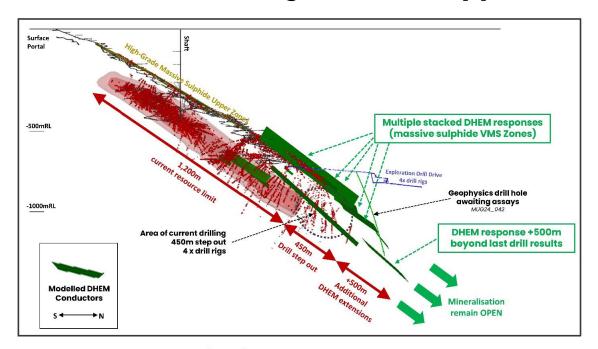
# Continued rapid growth in 2025:

- Phase 2 drilling underway with 5 x underground drill rigs:
  - Step-out of high-grade VMS zones (<u>currently 6Mt @ 4.3%</u> <u>CuEq and remains OPEN</u>)
  - Step-out of large scale FWZ zone
  - ✓ Infill drilling (high value add M&I)
  - Geophysical discovery drilling targeting new and parallel lodes in addition to step-out growth
- Resource updates & Study's in 2025

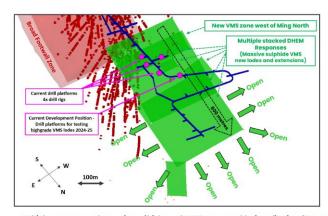


# Downhole Geophysics Points to Further High-Grade Copper Zones





Strong DHEM (Down Hole Electro-Magnetic) results indicate new zones of mineralisation well beyond current drilling;



Multiple new zones and extensions of high-grade VMS copper-gold mineralisation; 3D Isometric view of DHEM conductors (green). DHEM conductors indicate high-grade VMS massive sulphide extensions down

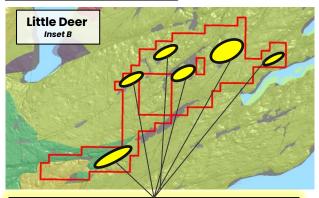
High tenor DHEM conductors (green) demonstrate copper mineralisation likely extends significantly down plunge of the current resource as well as importantly showing new potential high-grade VMS lodes.



# A District Scale VMS Camp



Multiple walk-up targets within only 25km of mine and infrastructure



## LITTLE DEER & WHALESBACK MINING CENTRE (mined 1960-72)

- Current resource of 9.1Mt @ 1.91% Copper Eq.
- Only mined to ~250m below surface
- Mineralisation remains Open
- Limited modern exploration. Numerous regional targets
- · Drill results include:
  - 19.6m @ 4.1% copper
  - · 46.0m @ 2.5% copper
  - · 8.6m @ 6.45% copper

## MING MINE & INFRASTRUCTURE (mined 1975-current)

Current Resource of 400kt M&I plus 580kt Inf CuEg metal.

RAMBLER MAIN MINE (mined 1964-67)

· Mineralisation remains Open

Drill results include:

Drill results include:

Only mined to ~200m below surface

Limited exploration, No geophysics

• 25m @ 4.7g/t gold & 0.24% copper

6.9m @ 14.2g/t gold & 0.27% copper

· 4.7m @ 12.9g/t gold & 0.50% copper

• 10.1m @ 7.6g/t gold & 0.60% copper

RAMBLER EAST COPPER MINE (mined 1967-74)

 Historical drill hole of 9.3m @ 1.3% copper · Limited exploration, No geophysics

> Large scale ~2km by 1km anomaly Results of 23.3g/t gold & 13.4g/t gold

No modern exploration, No geophysics

Rock Chips of 33.4g/t gold & 227.1g/t Ag

RAMBLER BIG POND MINE (mined 1970-71) Historic Copper production at 1.2% copper

Mineralisation remains open · Limited exploration, No geophysics

· UNTESTED, No drilling

Rock Chips of 27% copper

**GOLD-IN-TILL TARGET** 

LEVER TAUCH TARGETS

TWIN POND TARGET

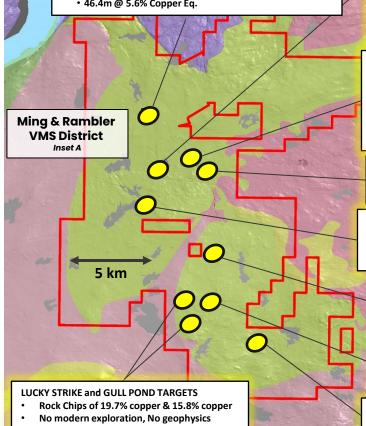
 Only mined to ~300m below surface Mineralisation remains Open · Limited exploration, No geophysics

13m @ 1.50% copper

• 21m @ 1.20% copper

L5 COPPER GOLD TARGET

- · Mineralisation remains Open
- · Recent drill results include:
  - 86.3m @ 3.7% Copper Eq.
  - 26.0m @ 8.2% Copper Eq.
  - 46.4m @ 5.6% Copper Eq.



# Rapid Resource and Mine Growth Over Next 12 Months



# Well-funded for significant velocity of news flow through 2025

Milestone <sup>1</sup>	Q4 23	Q1 24	Q2 24	Q3 24	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25
2024 – 2025 PROGRAM									
Green Bay Project Acquisition 15 Oct 2023	<b>~</b>								
UG Drill Drive Phase 1 750m (completed)		<b>⟨</b> ✓	<b>V</b>						
UG Drill Drive Phase 2 ~750m (commenced)				<b>⟨</b> Z	<b>\</b>			$\Rightarrow$	
UG Resource Drilling x4 rigs		<b>⟨</b> Z	<b>V</b>	<b>V</b>	<b>V</b>				$\Rightarrow$
Resource Updates			•	<b>⟨☆⟩</b>			<		$\Rightarrow$
Geophysical targeting			<b>⟨</b> Z	<b>V</b>	<b>V</b>				$\Rightarrow$
Discovery near mine drilling New and geophysical targets			<b>⟨</b> Z	<b>V</b>	<b>\</b>				$\Rightarrow$
Regional targeting Geophysics, mapping, drilling			<b>⟨</b> Z	<b>\</b>	<b>V</b>				$\Rightarrow$
Upscaled Production & Engineering Studies							<		$\Rightarrow$

# **2025 Key Deliverables**

- Underground development drill drive phase 1750m completed, phase 2 extension underway for a further ~750m (~1,500m total)
- 4 x underground drill rigs (moving to 5) targeting resource growth ~130,000m (40,000m completed)
- Geophysical underway and ongoing to identify new 'walk-up' near mine drill targets
- Regional targeting commenced utilising geophysics, mapping and surface drilling (1 rig drilling)
- Upscaled mine production & engineering studies underway

# A Game Changing Catalyst Rich High-Grade Opportunity



Board & Management Team with a Proven Track Record of Creating Shareholder Wealth Strong Cash Position of A\$84.1 Million<sup>2</sup> for Growth Throughout 2025

## **GREEN BAY COPPER-GOLD PROJECT**

- A fully operational underground mine in tier one mining jurisdiction
- Large high-grade resource that is growing (42% Increase in 2024)
- 24.4Mt @ 1.9% for 460kt CuEq M&I and a further 34.6Mt @ 2% for 690kt CuEq in the Inferred category available for conversion
- Immediate and rapid resource growth: 130,000m drilling 2024-25
- Significant upscaling for a mid-tier copper operation
- A\$250M of Infrastructure a huge head start (UG mines, shaft, declines, processing plant, deep water port, camp and hydro power)



## PICKLE CROW GOLD PROJECT

- High-grade shallow 2.8Moz @ 7.2g/t gold inferred resource OPEN
- Significant regional scale land holding with huge growth opportunity

