

# 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
- Targeting rapid resource growth
- Building world-class scale
- Exceptional infrastructure including operational underground declines, shaft, processing plant, deep water port and hydro power
- Tier one mining jurisdiction

**Melbourne Mining Club Presentation**

**23 July 2024**

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

This presentation contains references to Mineral Resource Estimate at the Pickle Crow Project 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". All future references in this presentation that relate to the Mineral Resource Estimate at the Pickle Crow Project should be read in conjunction with the aforementioned ASX release. The Company confirms that it is not aware of any new information or data that materially affects the information included in that ASX announcement and that all material assumptions and technical parameters underpinning the Mineral Resource Estimate (Inferred Resource – 11.9 Mt @ 7.2 g/t gold for 2.8M ounces of gold) in that announcement continue to apply and have not materially changed.

The Company first announced the foreign estimate for the Green Bay Project on 31 August 2023. The current foreign estimate for the Green Bay project is 39.2Mt @ 1.83% Cu, 0.3g/t Au and 2.7g/t Ag for 811kt CuEq. The foreign estimate is prepared in accordance with Canadian National Instrument 43-101 and has not been reported in accordance with JORC 2012. A competent person has not done sufficient work to classify the foreign estimate as a mineral resource in accordance with JORC 2012 and it is uncertain that following further evaluation and exploration work that the foreign estimate will be able to be reported as a mineral resource under the JORC Code 2012. The Company confirms that it is not in possession of any new information or data relating to the foreign estimate that materially impacts on the reliability of the estimate or the Company's ability to verify the foreign estimate in accordance with the JORC Code 2012. The Company confirms the supporting information provided in the initial market announcement referred to in Listing Rule 5.12 continues to apply and has not materially changed.

Metal equivalents for the foreign estimate of mineralization have been calculated using a copper price of US\$8,295/t, gold price of US\$1,912/oz and a silver price of US\$22.59/oz. Individual grades for the metals are set out at Appendix 2 of this announcement. Copper equivalent was calculated based on the formula  $CuEq(\%) = Cu(\%) + (0.74112 \times Au(g/t)) + (0.00876 \times Ag(g/t))$ . 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  $CuEq(\%) = Cu(\%) + (Au(g/t) \times 0.77472) + (Ag(g/t) \times 0.00968) + (Zn(\%) \times 0.3012)$ . No metallurgical recovery factors have been applied to the in-situ resource or exploration results. It is the Company's view that all elements in the copper equivalent calculations have a reasonable potential to be recovered and sold.

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, 01/09/2020, 11/11/2020, 19/01/2021, 7/04/2021, 16/06/2021, 15/07/2021, 2/08/2021, 5/10/2021, 2/12/2021, 18/1/2022, 3/5/2022, 23/6/2022, 22/11/2022, 24/1/2023, 31/8/2023, 11/12/2023, 16/1/2024, 4/3/2024, 21/3/2024 and 29/4/2024. FireFly Metals confirms that it is not aware of any new information or data that materially affects the information included in the original announcements. 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.

### JORC CODE

It is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"). Investors outside Australia should note that while ore reserve and mineral resource estimates of the Company in this document comply with the JORC Code (such JORC Code-compliant ore reserves and mineral resources being "Ore Reserves" and "Mineral Resources" respectively), they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the "Canadian NI 43-101 Standards"); or (ii) Item 1300 of Regulation S-K, which governs disclosures of mineral reserves in registration statements filed with the SEC. Information contained in this document describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws.

## **FORWARD LOOKING INFORMATION**

This document contains forward looking statements concerning the Company. Forward-looking statements are not statements of historical fact, and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes. Forward looking statements in this document are based on the Company's beliefs, opinions and estimates of the Company as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments. Although management believes that the assumptions made by the Company and the expectations represented by such information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate. Forward-looking information involves known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied by such forward-looking information. Such factors include, among others, the actual market price of commodities, the actual results of future exploration, changes in project parameters as plans continue to be evaluated, as well as those factors disclosed in the Company's publicly filed documents. Readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws. No representation, warranty or undertaking, express or implied, is given or made by the Company that the occurrence of the events expressed or implied in any forward-looking statements in this presentation will actually occur.

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## **INVESTMENT RISK**

There are a number of risks specific to the Company and of a general nature which may affect the future operating and financial performance of the Company and the value of an investment in the Company, including and not limited to the Company's capital requirements, the potential for shareholders to be diluted, risks associated with the reporting of resources estimates, budget risks, and operational risk. An investment in Shares is subject to known and unknown risks, some of which are beyond the control of the Company. The Company does not guarantee any particular rate of return or the performance of the Company. Investors should have regard to the risk factors outlined in the prospectus dated 23 May 2024 when making their investment decision.

## **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 resource of **39.2Mt** at **1.83% copper & 0.5g/t gold** for **811kt** at **2.07% copper equivalent**<sup>1</sup>
- **A\$250M** of mine infrastructure
- Targeting **significant and immediate** growth **drilling 100,000m** in **2024/25**



### 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 4.5 years
- **Well-funded** with **~A\$52M cash**<sup>2</sup>

1. Prepared in accordance with Canadian National Instrument 43-101. The estimate is a foreign estimate & has not been reported in accordance with JORC 2012. A competent person has not done sufficient work to classify the foreign estimate as a mineral resource in accordance with JORC 2012 & it is uncertain that following further evaluation & exploration work that the foreign estimate will be able to be reported as a mineral resource under the JORC Code 2012. Metal equivalents calculated using a copper price of US\$8,295/t, gold price of US\$1,912/oz and a silver price of US\$22.59/oz. Individual grades for the metals are set out at Appendix 2 of this announcement. Copper equivalent was calculated based on the formula  $CuEq(\%) = Cu(\%) + (0.74112 \times Au(g/t)) + (0.00876 \times Ag(g/t))$ . No metallurgical recovery factors have been applied to the in-situ resource. It is the Company's view that all elements in the copper equivalent calculation have a reasonable potential to be recovered and sold. 2. Cash position as at 31 March 2024 plus net proceeds of Placement announced to ASX on 28 March 2024.



# Exceptional Share Register and Strong Balance Sheet



Well-funded to deliver strong velocity of news flow through 2024 – 2025

## CAPITAL STRUCTURE

## CURRENT

Shares on issue 480.7M<sup>1</sup>

Management performance rights 34.9M<sup>2</sup>

**A\$0.80**

Current Share Price<sup>1</sup>

**A\$385M**

Market Capitalisation<sup>1</sup>

## SHAREHOLDER SUMMARY<sup>3</sup>

Board & Management (fully diluted) 13%

Australian & Global Institutions 52%

BlackRock Group 13%

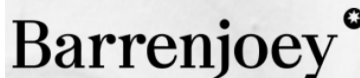
**2.4M**

Average Daily Volume<sup>4</sup>

**~A\$52M**

Cash Position<sup>4</sup>

## GLOBAL BANKING & RESEARCH



**No Debt**

No offtake  
No streams

**~8.4%**

Shareholding in  
Maritime Resources  
TSXV:MAE

**ASX FFM**

1. As at 19 July 2024. 2. Management performance rights and options are unlisted. 3. As at 15 June 2024. 4. Cash position as at 31 March 2024 plus net proceeds of Placement announced to ASX on 28 March 2024. 4. From 1 March 2024 to 19 July

# Board and Management

## A Leadership team with proven success in the Resources Sector



**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 Banking 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 geologist 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 Non-Executive Director of **Cygnus 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 serving 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)**, global 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 a Director of **Collingwood Football Club** and Chair of the Club's Risk and Integrity Committee.



**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**.

# Exceptional Management and In-Country Team

Management team with in-depth Canadian mining expertise



**Juan Gutierrez**

## **Group Chief Geologist**

Over 17 years' experience in a diverse range of mining projects globally. Juan spent over 6 years with **Northern Star Resources** as Geology Superintendent & was involved in discoveries at Jundee and Yandal totalling over 1Moz Gold. Juan previously worked for **Western Areas** at Flying Fox developing the Spotted Quoll project from the discovery hole to open pit & underground production. Juan also worked at **Energia Minerals & Golder Associates**. Juan has extensive experience from exploration & resource development to production & resource estimation in commodities including gold, nickel and copper.



**Tabatha LeBlanc**

## **Vice President Environment & Community**

25 years of ESG experience in North America, with a proven track record of achieving social & government approvals for companies including **TransCanada & Alliance Pipelines, Marathon PGM Corporation, Sibanye-Stillwater & Generation Mining**. Tabatha oversaw the management & delivery of critical environmental approvals & community agreements including successfully obtaining approval for an Environmental Assessment conducted by a Joint Federal-Provincial Review Panel in Ontario. Tabatha holds extensive experience in integrating ESG into environmental management systems, community outreach and training programs & other business areas.



**Jim Edwards**

## **Exploration Manager**

Exploration Geologist with 20 years' experience at **Goldcorp, Harte Gold, Agnico Mines Limited, Falconbridge, Battle Mountain and Miramar**. During his tenure at **Goldcorp**, he participated in converting 3.6 Moz Au to reserves, including the discovery of the Lynx zone in 2010 at **Musselwhite Mine**. This contributed to production guidance more than 260,000z Au in 2015 and 2016. Most recently, Jim has been responsible for managing **FireFly's Pickle Crow Gold Project**. Jim has a proven track record of delivering resources, while generating an exploration pipeline of quality targets for future growth.



**Gus Simbanegavi**

## **Vice President Operations**

Experienced Mining Engineer with over 25 years of mine operations management & project development. Gus has held several leadership & executive roles in Africa including COO and Director of AIM listed **Bluerock Diamonds** where he was instrumental in the feasibility, development and construction of a 1.0Mtpa diamond mine & processing plant. Gus holds a wealth of experience across a range of commodities including Gold, Platinum, Copper, Nickel, Zinc and Diamonds from his time in senior Executive roles at companies such as: **Aquarius Platinum Mines, Vedanta Zinc International and Zimplats Platinum Mines**.



**Corey Greenham**

## **Environment and Safety Manager**

Health, Safety & Environment professional who has worked in the HSE department for 18 years at **Ming Mine** where he obtained the prestigious **National John T Ryan Safety Award** numerous times. Corey is experienced in both **Canadian Federal and Provincial** regulations and is instrumental in Newfoundland & Labrador where he contributes to the overall mining safety structure within the province. He sits on the **Mine Rescue Technical Advisory Committee** and Chairs the **Mining NL Safety Committee**. Corey also sits on the National John T Ryan Awards Committee which provides updates on **OH&S mining regulations within Canada**.



**Bonnie Matthews**

## **Vice President Human Resources**

Over 20 years' experience in Business Management and HR from previous positions with **Tata Steel Minerals Canada and Grey Rock Mining** as well as positions with the **Governments of NL and of Nunavut**. Bonnie currently sits on the board of **Canadian Manufacturers and Exporters (CME)** in NL, is the current Chairperson of the **NL CME HR Committee**, and is also on the board of **Women in Resource Development for Newfoundland and Labrador**.



**Maddison Cramer**

**COMPANY SECRETARY**

Cygnus Metals, Andean Silver, formerly of Bellevue Gold



**Chen Sun**

**CHIEF FINANCIAL OFFICER**

Formerly of Mincor Resources (Wyloo Consolidated Investments)



**David Southam**

**ADVISOR TO THE BOARD**

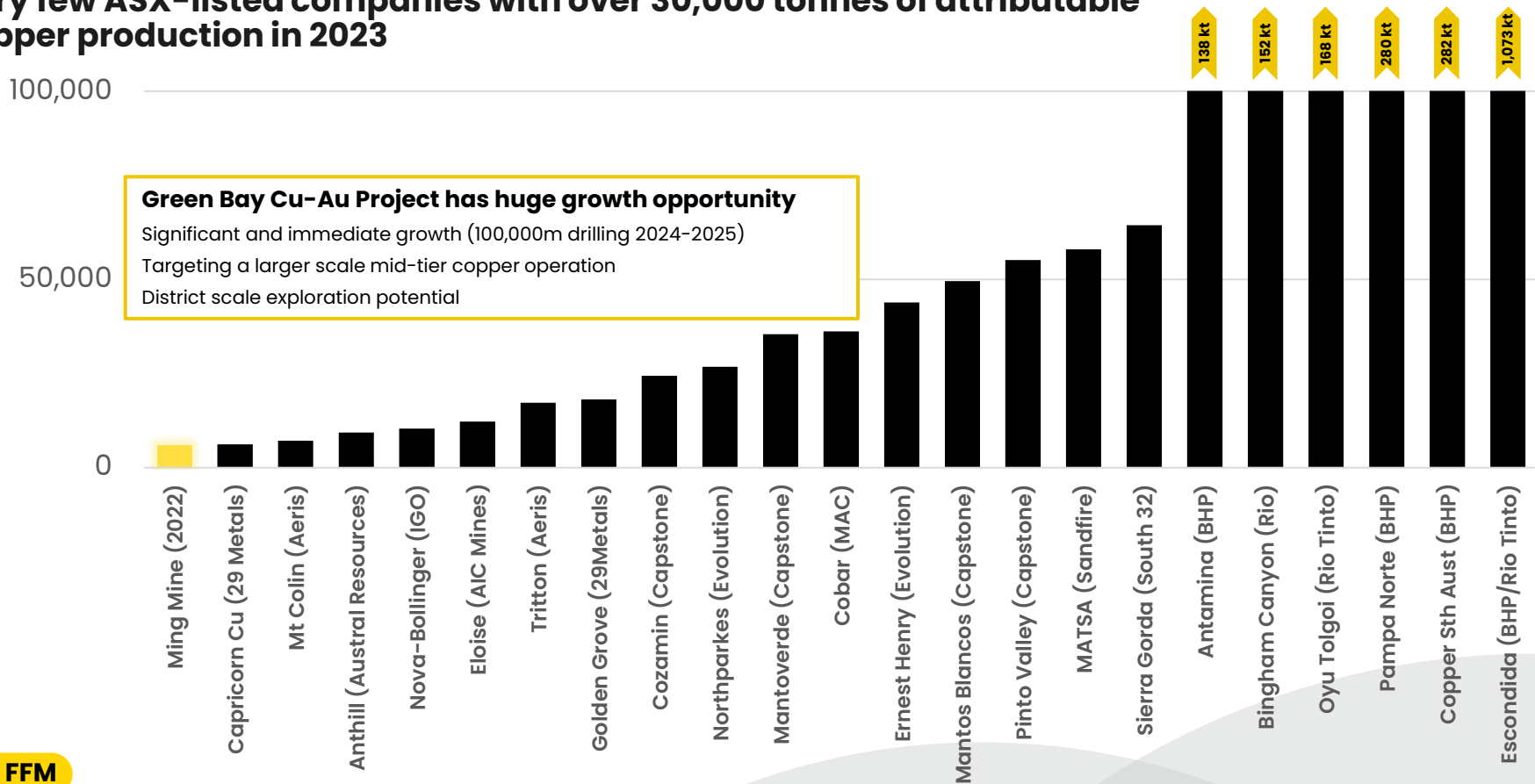
Cygnus Metals and Ramelius Resources, formerly of Mincor Resources. Experienced in base metal offtake partnerships

# A Lack of Quality Copper Opportunities on the ASX

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






COPPER PRODUCTION - TONNES  
CY 2023 Actual - ASX



# Green Bay Copper & Gold

## A potential company making project



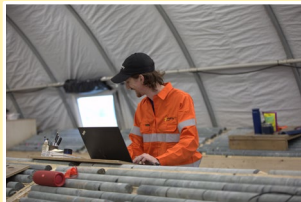
	 <b>GREEN BAY</b>	<b>McILVENNA BAY</b> <b>F O R A N</b>	 <b>COBAR</b>	 <b>ERNEST HENRY</b>
<b>Location</b>	Newfoundland, Canada	Saskatchewan, Canada	NSW, Australia	Queensland, Australia
<b>Stage</b>	Pre-Development	Development	Production	Production
<b>Resource<sup>1</sup></b> (M,I&Inf)	<b>Tonnes:<sup>2</sup></b> 39.2Mt	<b>Tonnes:<sup>5</sup></b> 44.1Mt	<b>Tonnes:<sup>9</sup></b> 20.2Mt	<b>Tonnes:<sup>12</sup></b> 101.5Mt
	<b>Copper:</b> Grade <b>1.83%</b>	<b>Copper:</b> Grade 1.17%	<b>Copper:</b> Grade 4.86%	<b>Copper:</b> Grade 1.25%
	Metal 717kt	Metal 516kt	Metal 977kt	Metal 1,272kt
	<b>Co-products:</b> Au, Ag	<b>Co-products:</b> Zn, Pb, Au, Ag	<b>Co-products:</b> Ag	<b>Co-products:</b> Au
	<b>Proportional Metal:<sup>3</sup></b> <b>88% Copper</b> 12% Coproducts	<b>Proportional Metal:<sup>3</sup></b> 51% Copper 49% Coproducts	<b>Proportional Metal:<sup>3</sup></b> 97% Copper 3% Coproducts	<b>Proportional Metal:<sup>3</sup></b> 70% Copper 30% Coproducts
<b>Production</b>	<b>Upscaled Restart Studies in Progress</b>	<b>DFS:<sup>6</sup></b> Milled Grade Metal 1.51Mtpa 1.23% Cu ave 16,000t Cu avg	<b>2024F:<sup>10</sup></b> Mined Grade Metal 1.2Mt 3.3% Cu 39,700t Cu	<b>FY23A:</b> Milled <sup>13</sup> Grade Metal <sup>14</sup> 5.8Mt 0.8% Cu 47,348t Cu
<b>Mine Depth</b>	<b>950m</b> <b>decline and shaft (6m x 3m)</b>	<b>Yet to be built</b>	<b>~1,900m</b> <b>decline and shafts</b>	<b>~1,000m</b> <b>shaft only (6m x 6m)</b>
<b>Acquisition</b>	<b>A\$0.065B</b> (Oct 2023) <sup>2</sup>	N/A (1998)	<b>A\$1.5B</b> (June 2023) <sup>11</sup>	<b>A\$1.9B</b> (Nov 2016 and Nov 2021) <sup>15</sup>
<b>Market Cap</b>	<b>A\$0.39B<sup>4</sup></b>	<b>A\$1.7B<sup>7,8</sup></b>	<b>A\$1.7B<sup>7</sup></b>	<b>A\$7.4B<sup>16</sup></b>

Please see Appendix 2 for details of the Green Bay mineral resource estimate. Please see Appendix 5 for references and notes for McIlvenna Bay (Foran), Cobar (Metals Acquisition Corp.) and Ernest Henry (Evolution Mining). Please refer to Appendix 6 for details on the McIlvenna Bay, Cobar and Ernest Henry mineral resource and ore reserve estimates, including breakdown of resource and reserve categories.



**(100% FireFly ownership)**

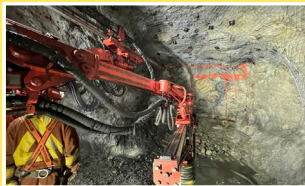
## Our Competitive Advantages



## 'A Potential Game Changer'

### ***District Scale***

- Dominant landholding of 'Prime' VMS mineralised rock types
- Little exploration over the past 20 years
- Regional surface and airborne geophysics underway (VTEM, Aeromag, Gravity, LIDAR)
- Maiden discovery drilling



## 'Abundant Low Hanging Fruit'

### *Immediate Low-Cost Growth*

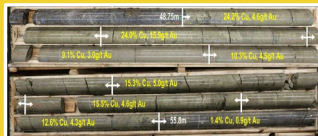
- High-grade massive sulphide copper gold lodes – Resource extension drilling
- Bulk tonnage Footwall copper Zone – Resource extension drilling
- Geophysical downhole electromagnetics to vector new lodes



## 'A Huge Step-Up'

### ***\$A250M Existing Infrastructure***

- Shaft to 630m depth (6m x 3m size) and decline for haulage to 950m depth
- +25km underground development
- Processing plant (1,500tpd / 500ktpa) and tailings facility
- Deep water port (1Mt/a concentrate capacity)



## 'The Base Load'

### ***Significant Size, Scale and Grade***

- Large-scale resource of 811,000t at 2.07% copper equivalent (39.2Mt @ 1.83% Cu & 0.5g/t Au)
- Operationally ready underground mine
- Abundant low cost zero-carbon Hydro Power
- Skilled local workforce, strong Government and community support

**Already commenced:**

## 100,000m drilling

**4 x drill rigs**

## 1,500m Exploration drill drive

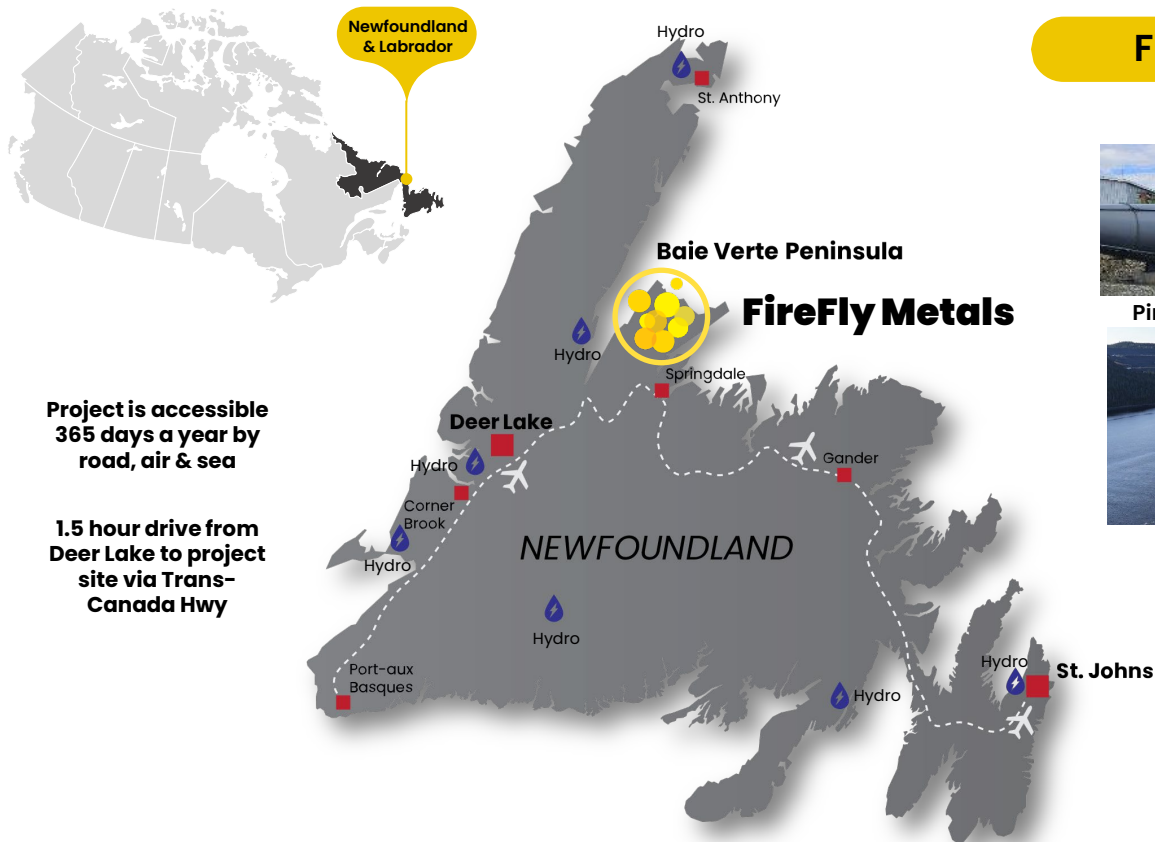
## Targeting Resource updates

## New discovery drilling

## Geophysical targeting near mine and regional

## Engineering studies for upscaled production underway

# Newfoundland – A Maritime and Mining Province



Project is accessible  
365 days a year by  
road, air & sea

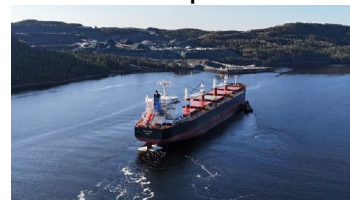
1.5 hour drive from  
Deer Lake to project  
site via Trans-  
Canada Hwy

## FireFly Metals Green Bay Operations

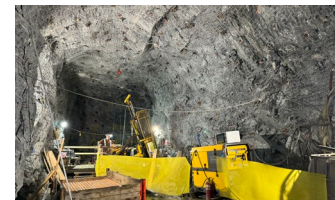
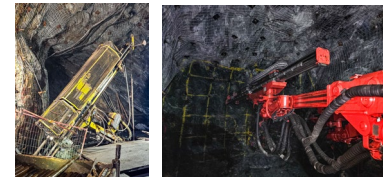
### Ming Copper Mine



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

ASX FFM

1. Data Source: Statista Distribution of gross domestic product of Newfoundland and Labrador, Canada in 2021 by industry

# **Green Bay Copper Gold Project – Virtual Site Tour**

**The next 12 pages are summary screen shots of the video presentation**

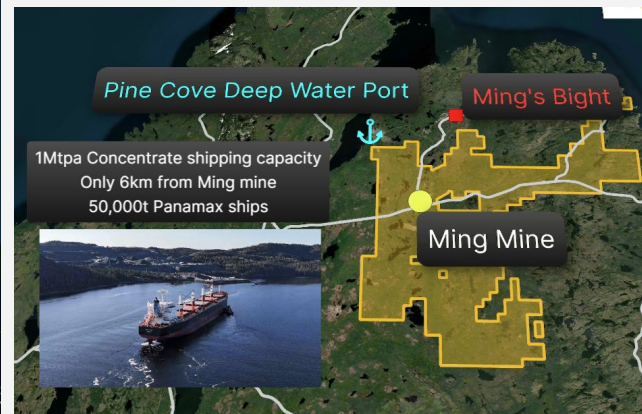
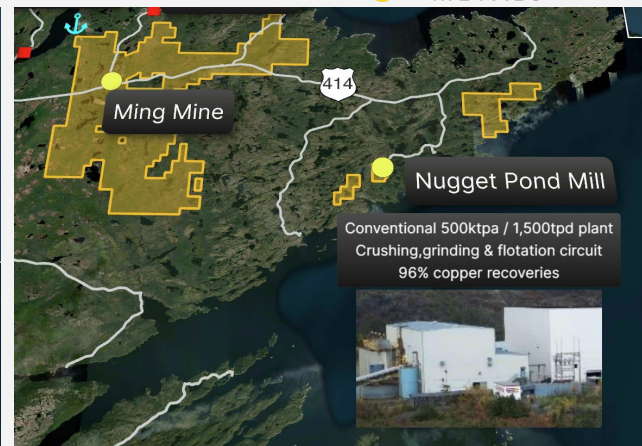
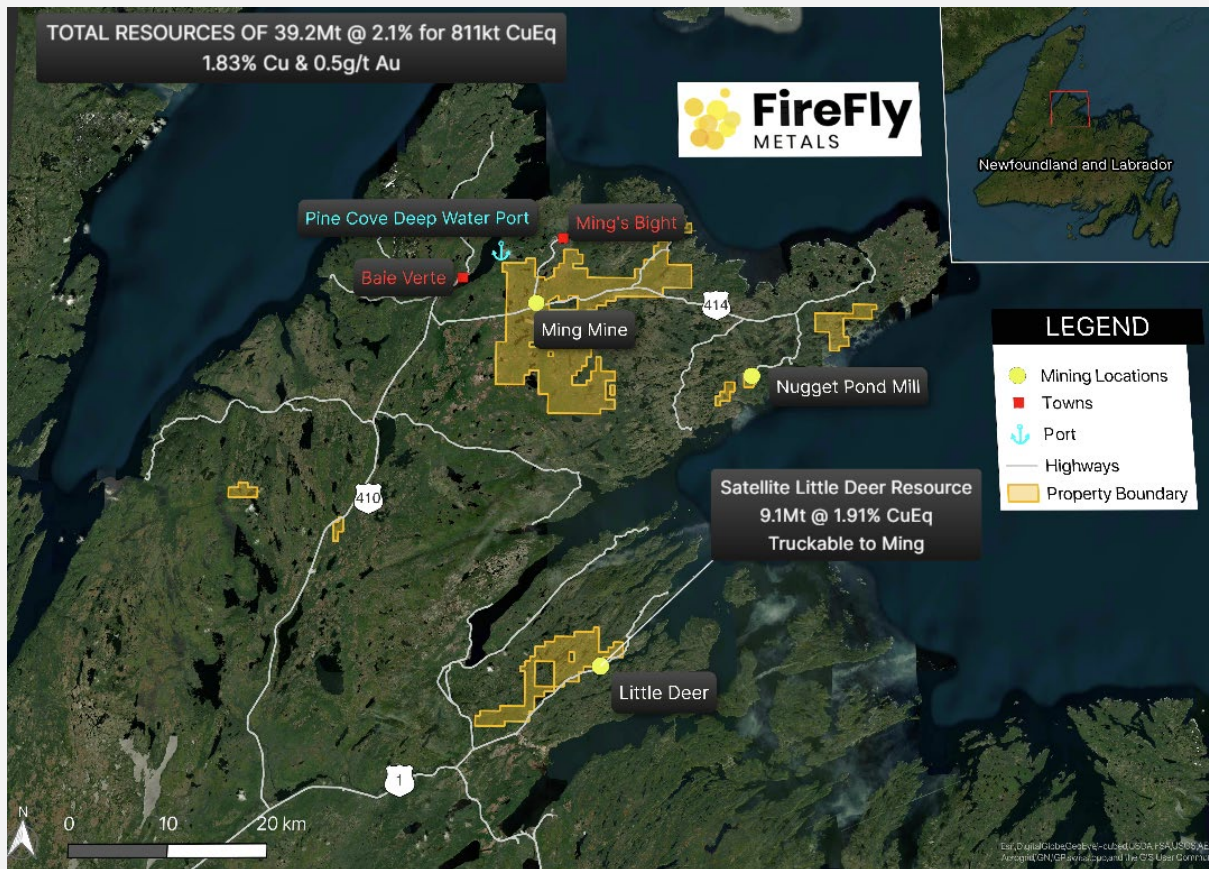


**View full video click link below:**

**[www.fireflymetals.com.au](http://www.fireflymetals.com.au)**



# Green Bay Overview – Location





# On Location – Green Bay all set up ready to go

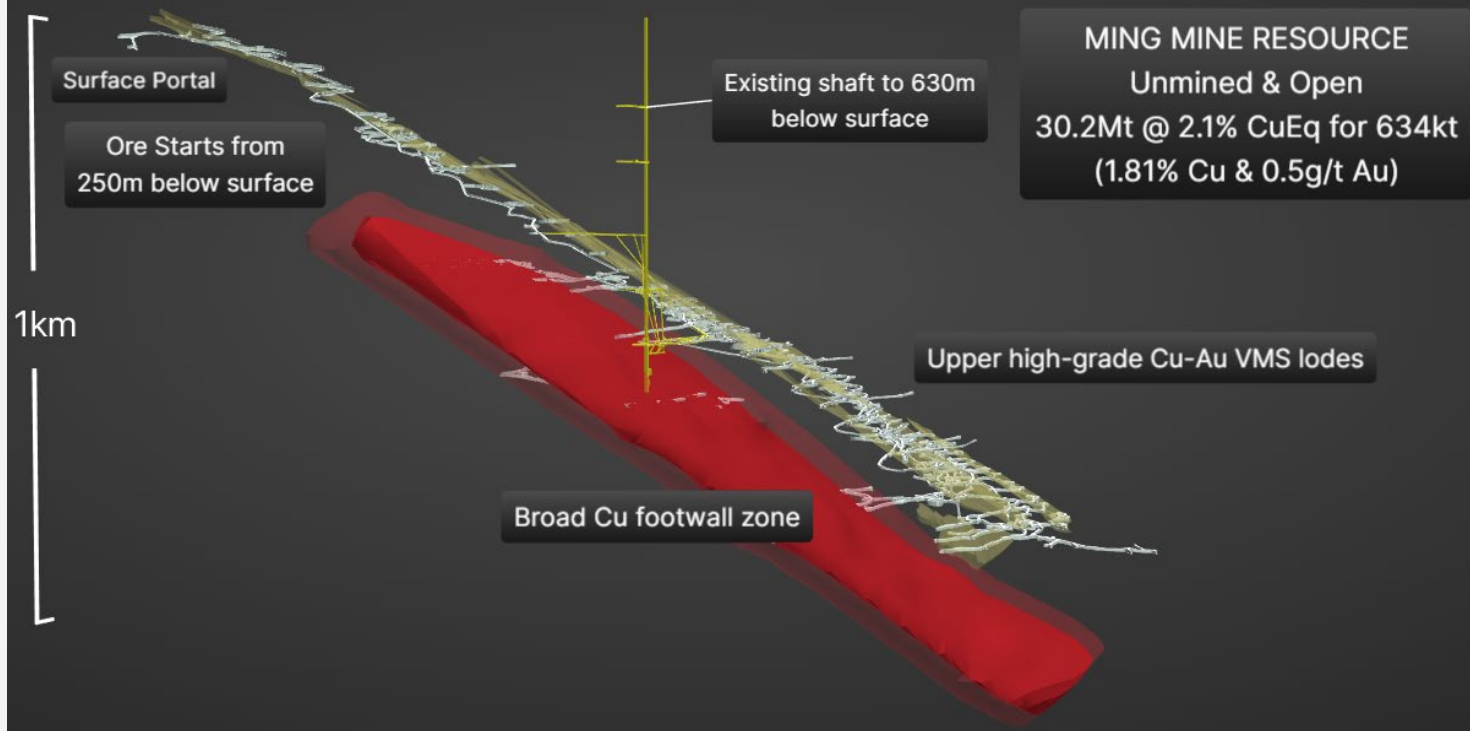
Exceptional High Quality Infrastructure to Fast-Track Development





# Underground at Green Bay

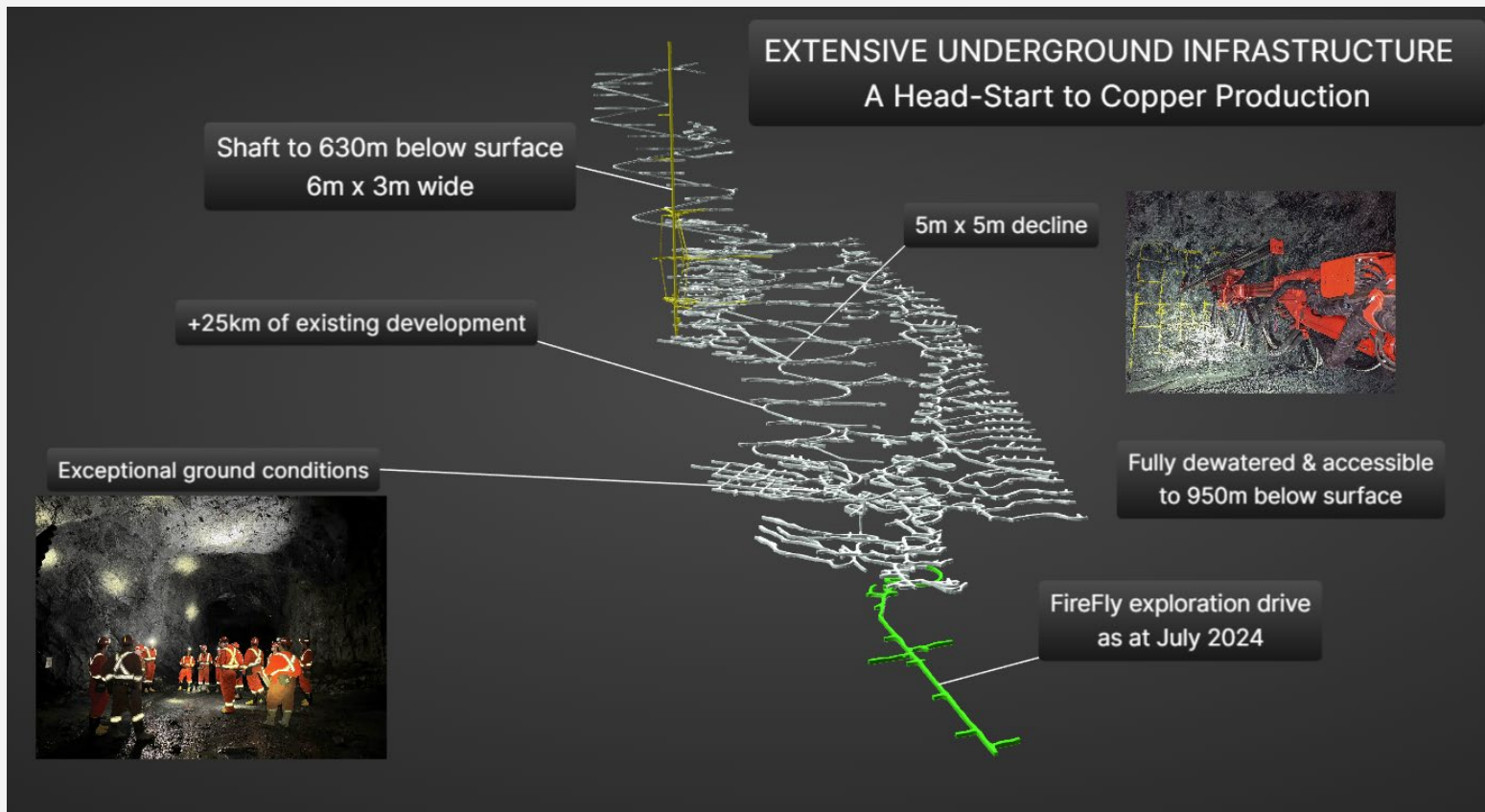
## AN EMERGING LARGE SCALE & HIGH-GRADE COPPER-GOLD MINE



### Two styles of mineralisation

- High-grade copper gold massive sulphide upper zone
- Broad footwall copper rich zone

# Significant Underground Infrastructure



# High-Grade Copper Gold Massive Sulphide Lodes

Drill results for the high-grade copper  
gold massive sulphide lodes

**MULTIPLE HIGH-GRADE COPPER-GOLD VMS LODES**  
Up to 100m Wide, 25m thick and >1km in strike  
AND STILL OPEN

23m @ 12.6% CuEq (9.0% Cu & 4.7g/t Au)

41.2m @ 7.1% CuEq (5.9% Cu & 1.3g/t Au)

74.8m @ 10.7% CuEq (9.0% Cu & 2.2g/t Au)

9.1m @ 6.0% Cu

6.0m @ 14.0% CuEq (10.8% Cu & 4.1g/t Au)

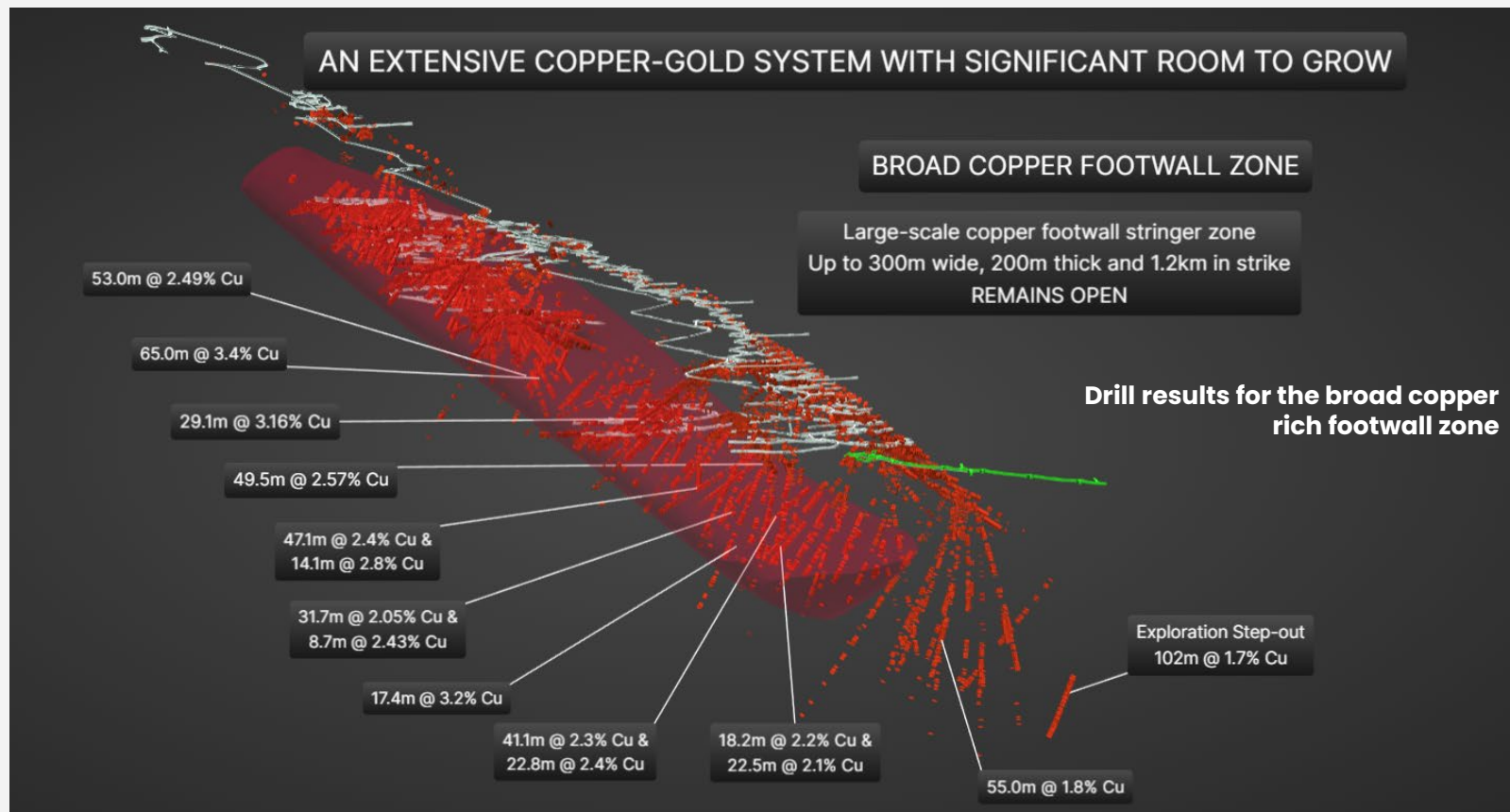
5.0m @ 15.3% CuEq (10.1% Cu & 6.7g/t Au)

9.3m @ 13.6% CuEq (9.4% Cu & 4.7g/t Au)

13.1m @ 14.3% CuEq (10.7% Cu & 4.1g/t Au)

5.4m @ 12.2% CuEq (8.6% Cu & 4.0g/t Au)

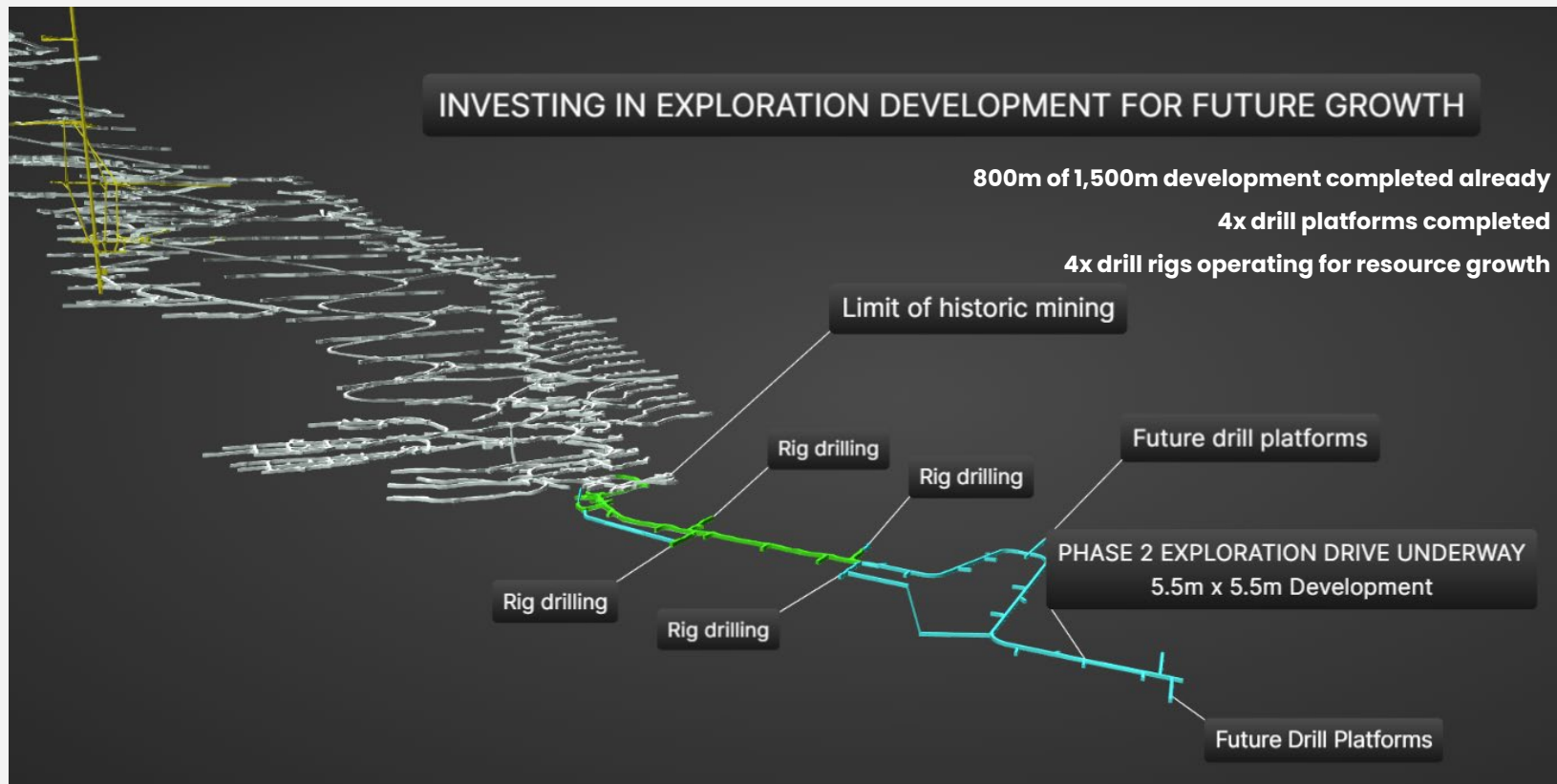
# Large Scale Broad Copper Rich Footwall Zone



# FireFly Investing in Exploration Development



**1,500m new development secures rapid resource growth and future ore haulage**



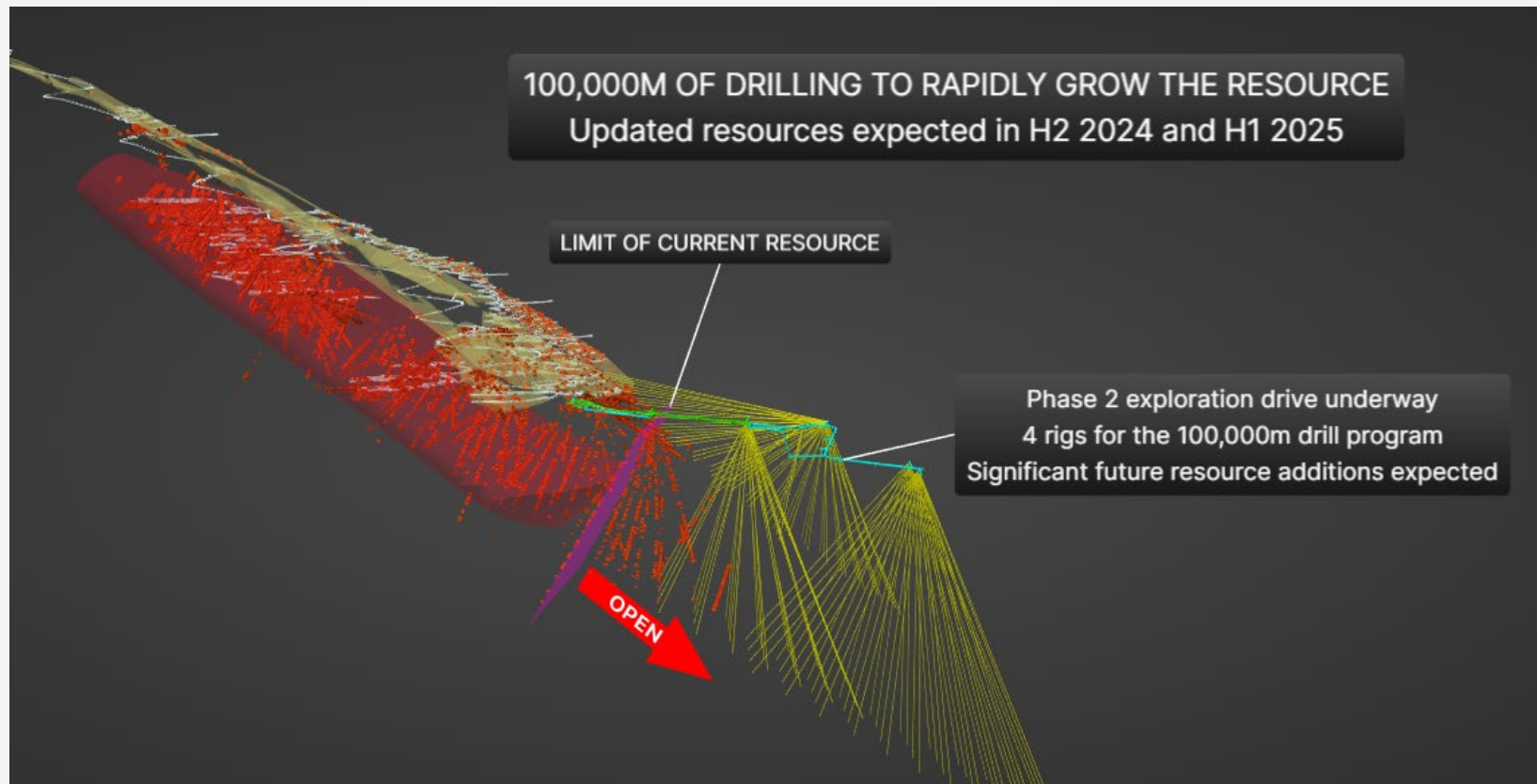
**ASX FFM**

View full video on [www.fireflymetals.com.au](http://www.fireflymetals.com.au)



# Growing the Resource with 100,000m of drilling

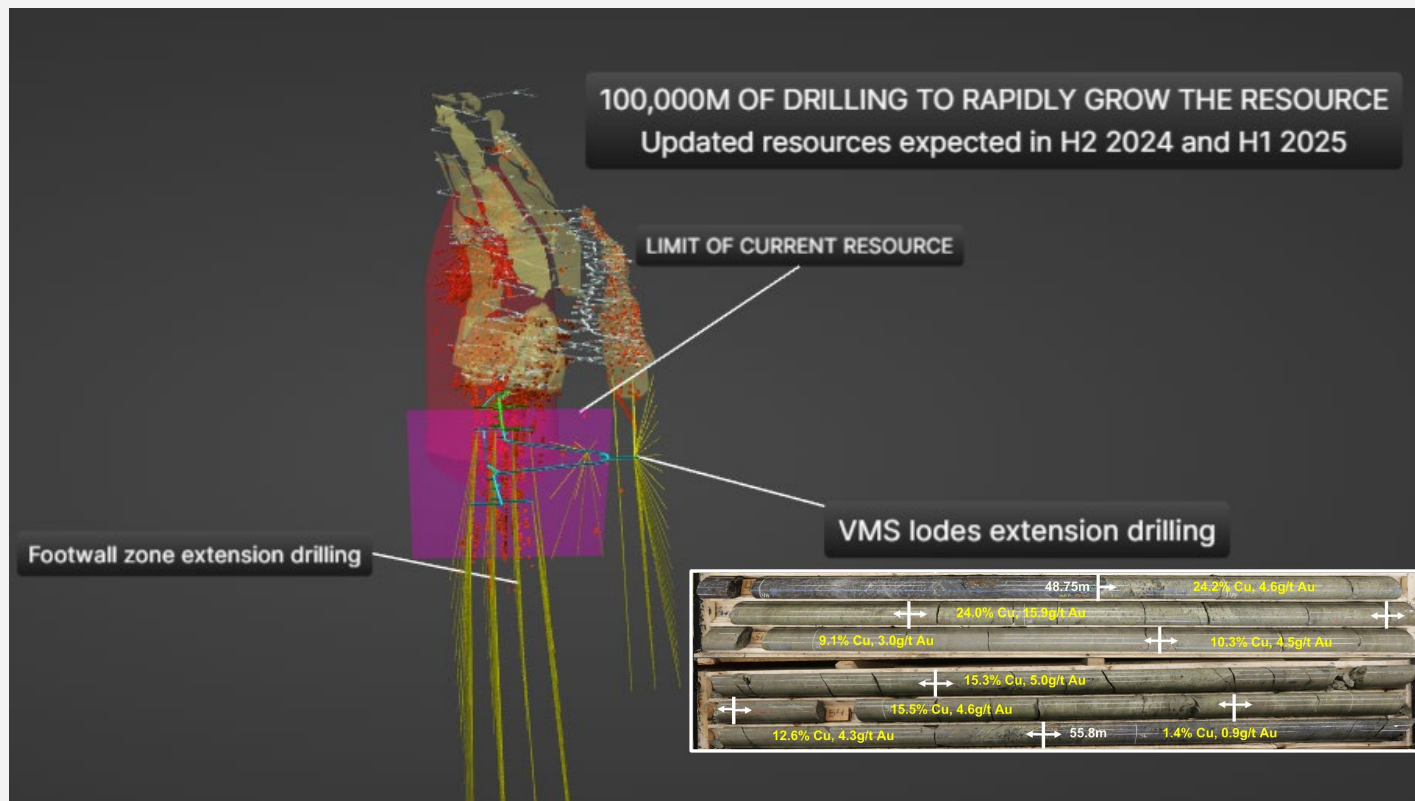
Rapid low-cost Resource growth throughout 2024 and 2025



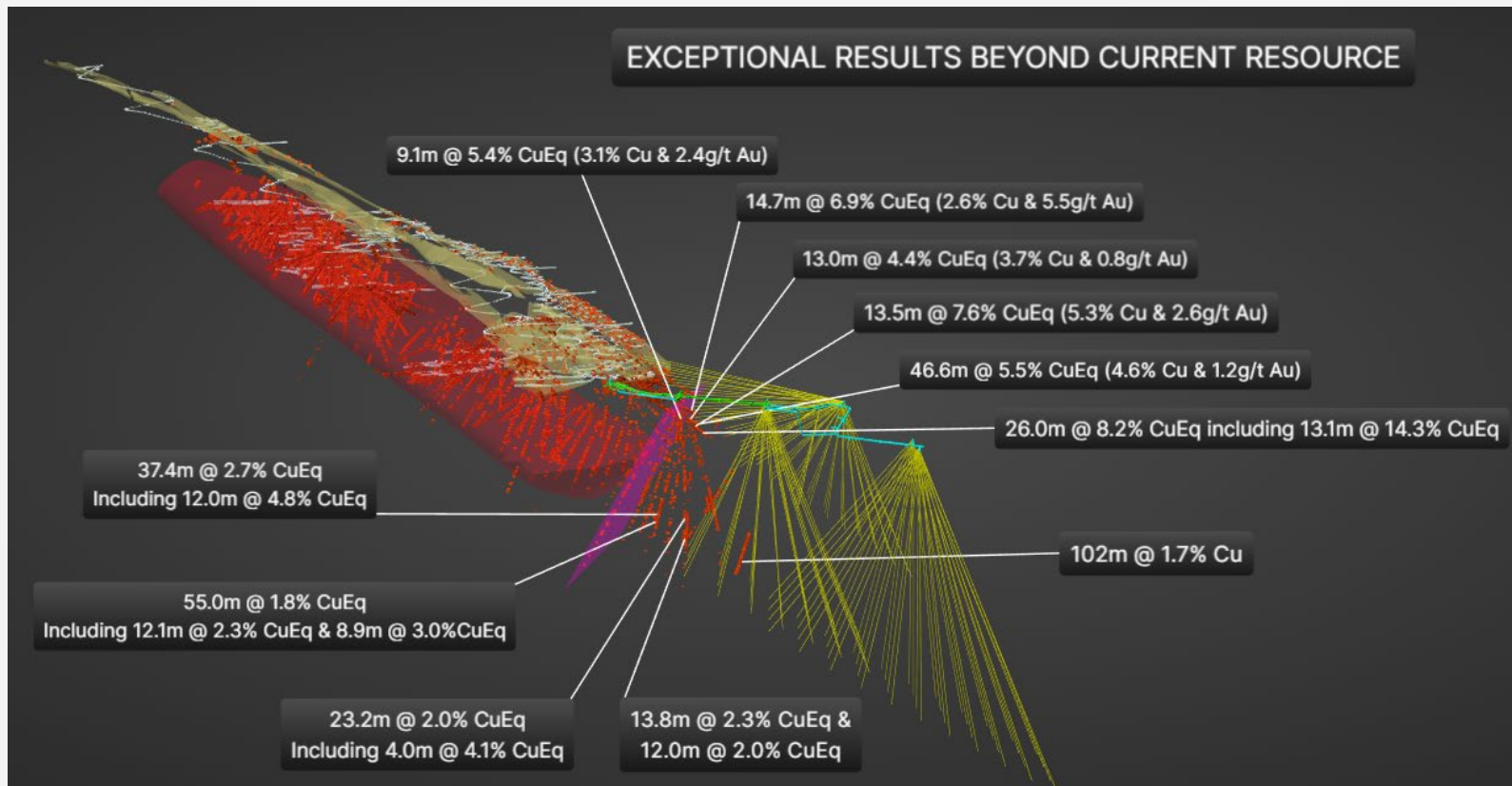
ASX FFM

View full video on [www.fireflymetals.com.au](http://www.fireflymetals.com.au)

# Drilling Multiple Copper and Gold Lodes For Resource Growth

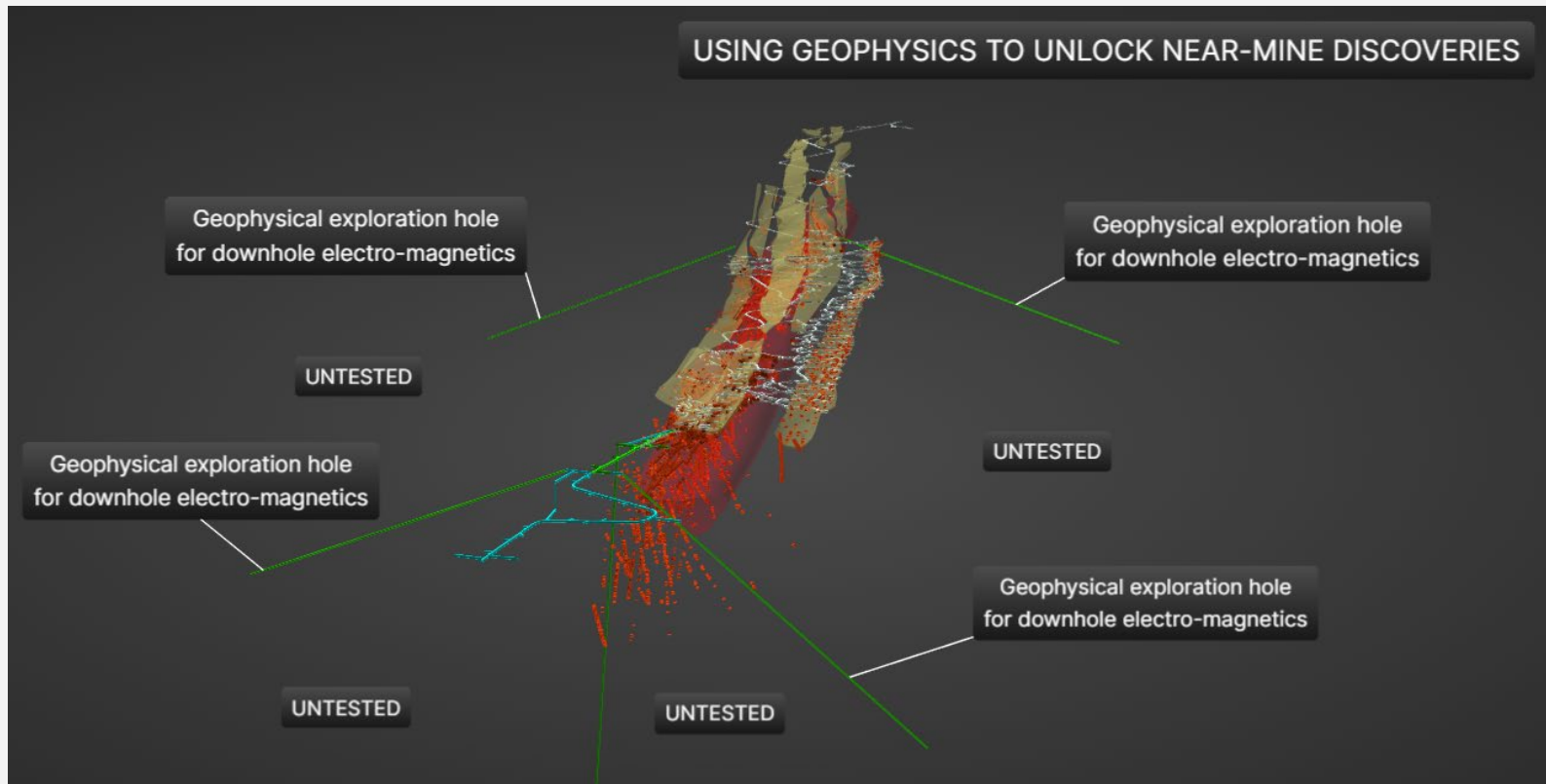


# Exceptional Drill Results Outside of Current Resource



# Using Geophysics to Unlock New Discoveries

Drilling with DHEM to find repeat and parallel lodes adjacent to existing infrastructure

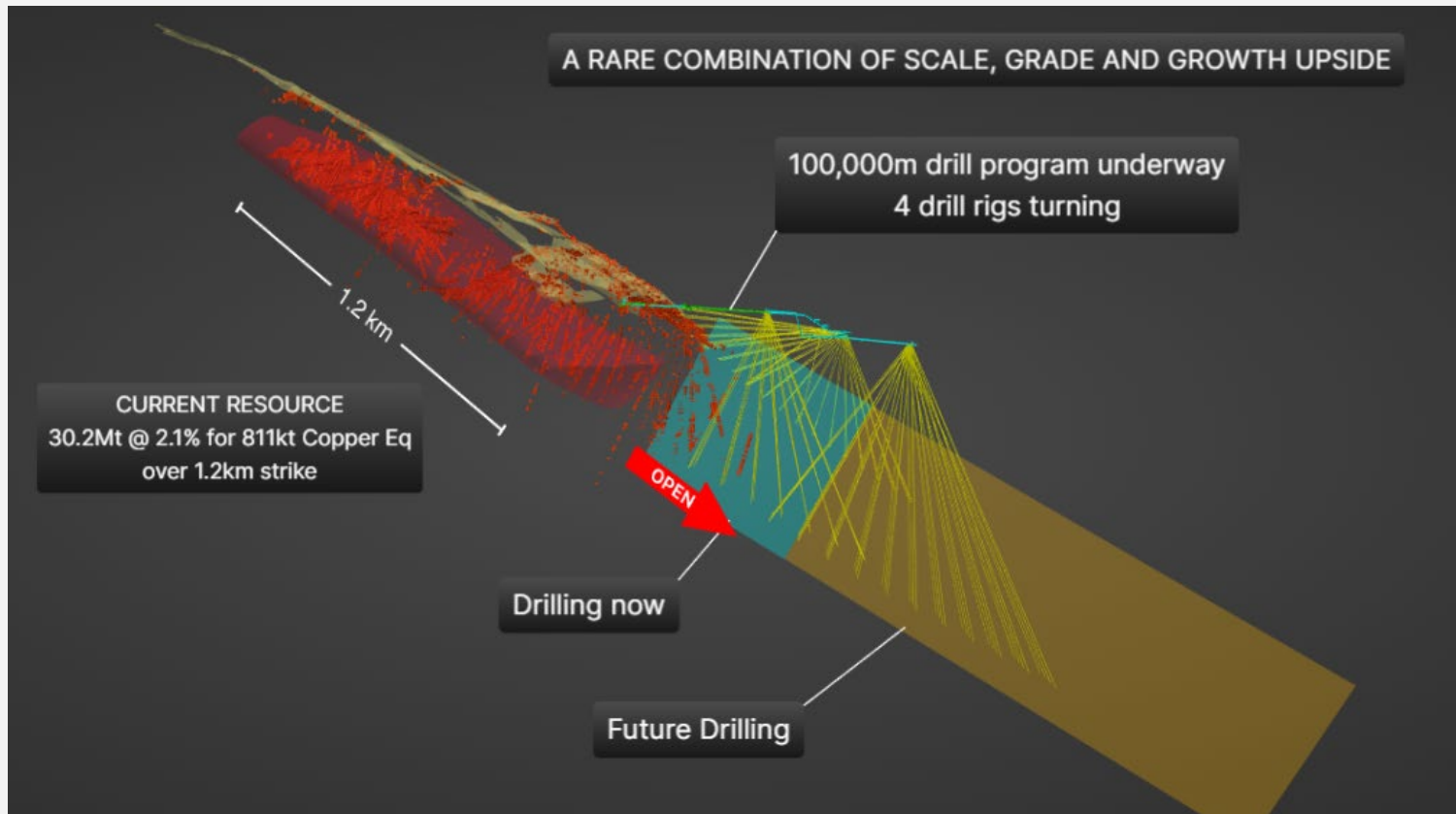


ASX FFM

View full video on [www.fireflymetals.com.au](http://www.fireflymetals.com.au)

# A Rare Combination of Scale, Grade and Growth

## Green Bay Copper Gold Project – A Company Making Project





## Major landholder in a world-class copper gold VMS district

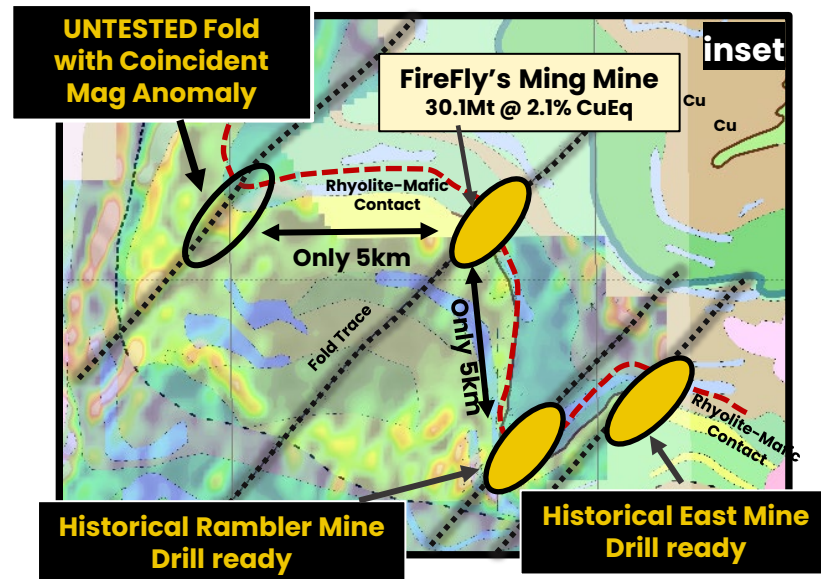


1. Data Source: Newfoundland & Labrador Government Minerals Occurrence Database (MOD)

## Significant Camp-Scale Land Holding

## FireFly has recently acquired:

- Three historic producing copper mines and no modern exploration
- Numerous 'walk up' regional copper & gold targets
- Geophysical targeting along with mapping and drilling



# Rapid Resource and Mine Growth Over Next 18 Months



Well-funded for significant velocity of news flow through 2024 – 2025

Milestone <sup>1</sup>	Q4 23	Q1 24	Q2 24	Q3 24	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25
<b>2024 – 2025 PROGRAM</b>									
Green Bay Project Acquisition <i>15 Oct 2023</i>	✓								
UG Drill Drive Phase 1 ~750m (completed)		↔	↔						
UG Drill Drive Phase 2 ~750m (commenced)			↔	↔	↔	↔	↔		
UG Resource Drilling x4 rigs 100,000m underway	↔	↔	↔	↔	↔	↔	↔	↔	↔
Resource Updates				●			●		●
Geophysical targeting			↔	↔	↔	↔	↔	↔	↔
Discovery near mine drilling New and geophysical targets			↔	↔	↔	↔	↔	↔	↔
Regional targeting Geophysics, mapping, drilling			↔	↔	↔	↔	↔	↔	↔
Upscaled Production & Engineering Studies							●		●

## 2024 – 2025 Key Deliverables

- Underground development drill drive phase 1 750m completed, phase 2 extension underway for a further ~750m (1,500m total)
- 4 x drill platforms – drilling well underway
- 4 x underground drill rigs targeting resource growth ~100,000m (30,000m completed)
- Geophysical equipment has arrived on site – commencing in coming weeks to identify new ‘walk-up’ drill targets
- Regional targeting commenced utilising geophysics, mapping and surface drilling
- Upscaled mine production & engineering studies underway, PEA June 25 & BFS Dec 25

# 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\$52 Million<sup>2</sup> for Immediate Growth Throughout 2024-2025**

## **GREEN BAY COPPER-GOLD**

- **A fully operational underground mine in tier one mining jurisdiction**
- **High-grade resources of 39.2Mt @ 1.83% copper and 0.5g/t gold for 811kt @ 2.07% Copper Equivalent<sup>1</sup>**
- **Immediate and rapid resource growth: 100,000m drilling 2024-25**
- **Significant upscaling for a mid-tier copper operation**
- **A\$250M of Infrastructure including UG mines, shaft, declines, processing plant, deep water port, camp and hydro power**



## **PICKLE CROW GOLD PROJECT**

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

# Supplementary Information



- Appendix 1. **Pickle Crow Gold Deposit 2.8Moz @ 7.2g/t Gold**
- Appendix 2. **FireFly Metals Mineral Resources**
- Appendix 3. **FireFly Green Bay Project further information**
- Appendix 4. **2023 Copper Production Data**
- Appendix 5. **References 'Green Bay Copper & Gold' Slide**
- Appendix 6. **External Company Resources & Reserves**



# Appendix 1 – Pickle Crow Gold Deposit – The Perfect Addition



## High Grade 2.8Moz @ 7.2 g/t Gold Resource and Growing



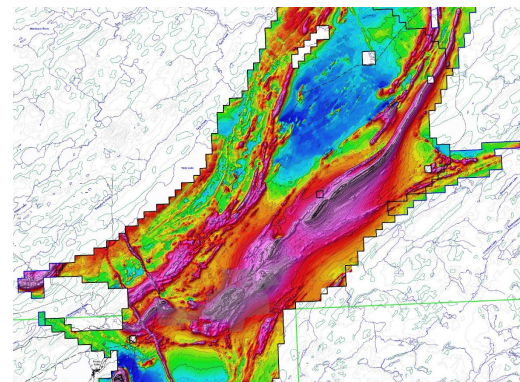
### LOCATION

- Operating in a **Tier 1 mining jurisdiction**, Ontario Canada
- In a prolific mineral belt with **>40Moz gold endowment**
- **Exceptional team and in-country knowledge**



### THE ASSET – PICKLE CROW

- High-grade historical gold production of **1.5Moz @ 16.1g/t gold**
- **Year-round access** with quality infrastructure, and large regional land holding



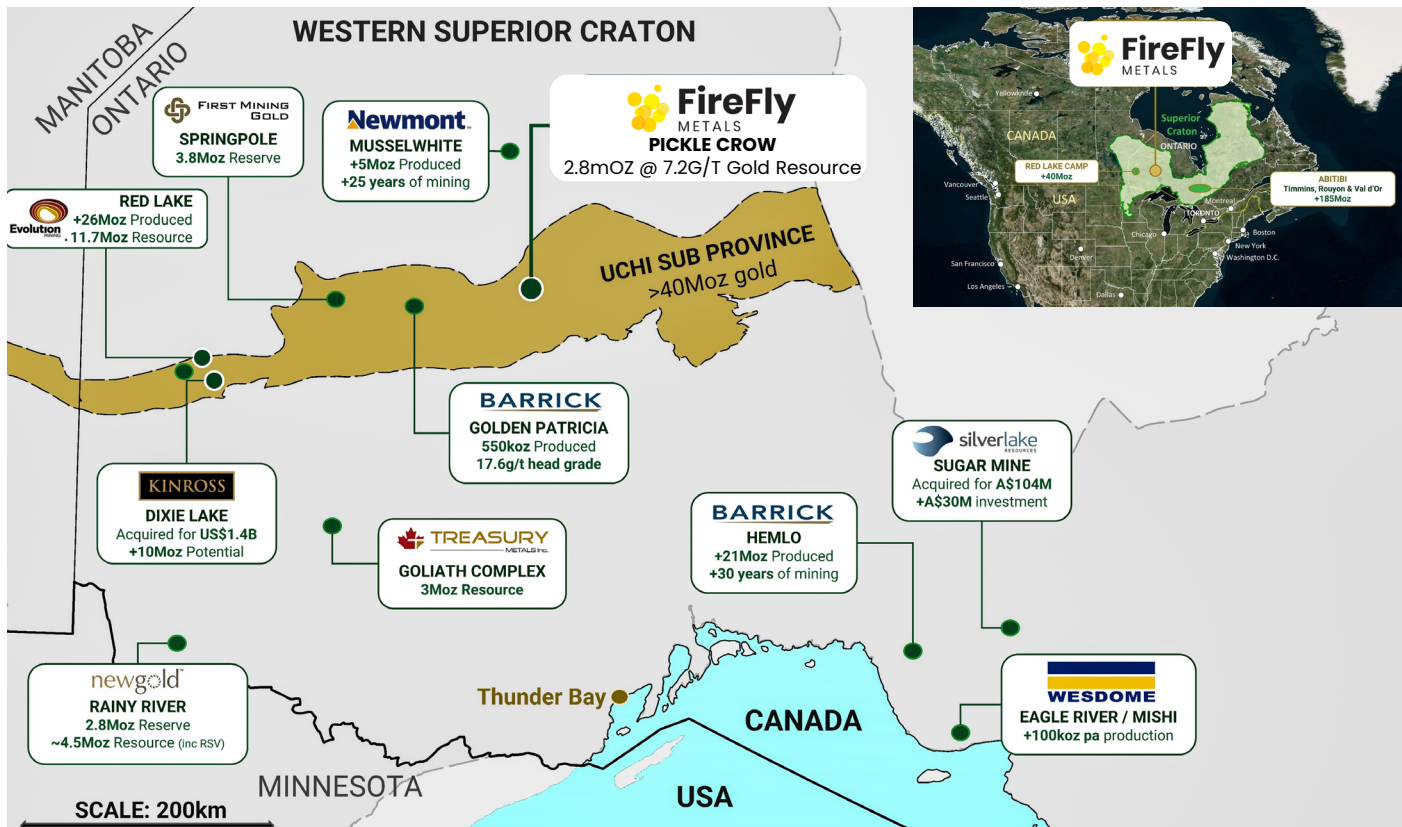
### UPSIDE

- **2.8Moz @ 7.2g/t** inferred gold resource
- **Rapid** resource growth
- **Open** in all directions
- Exceptional **discovery potential** in a consolidated mineral district

# Appendix 1 – An Exceptional Asset in a World-Class Location

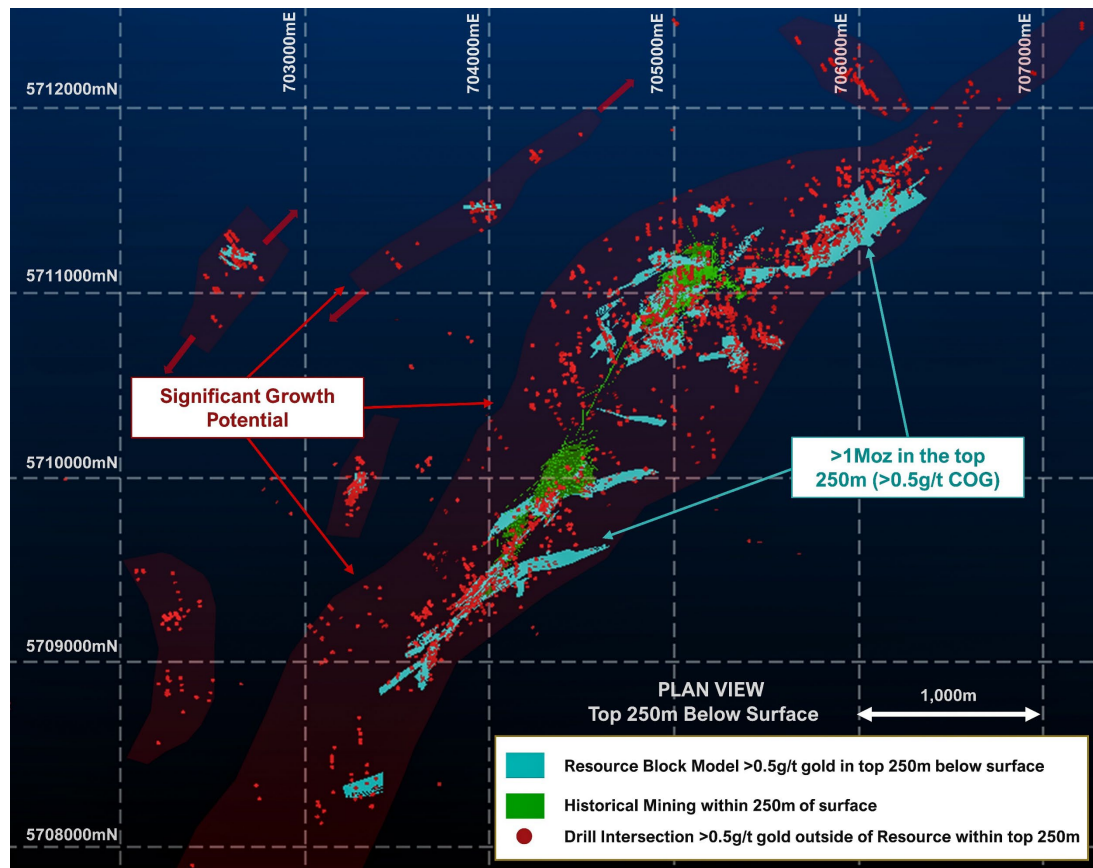


## Pickle Crow Gold Deposit is surrounded by World-Class Gold Mines





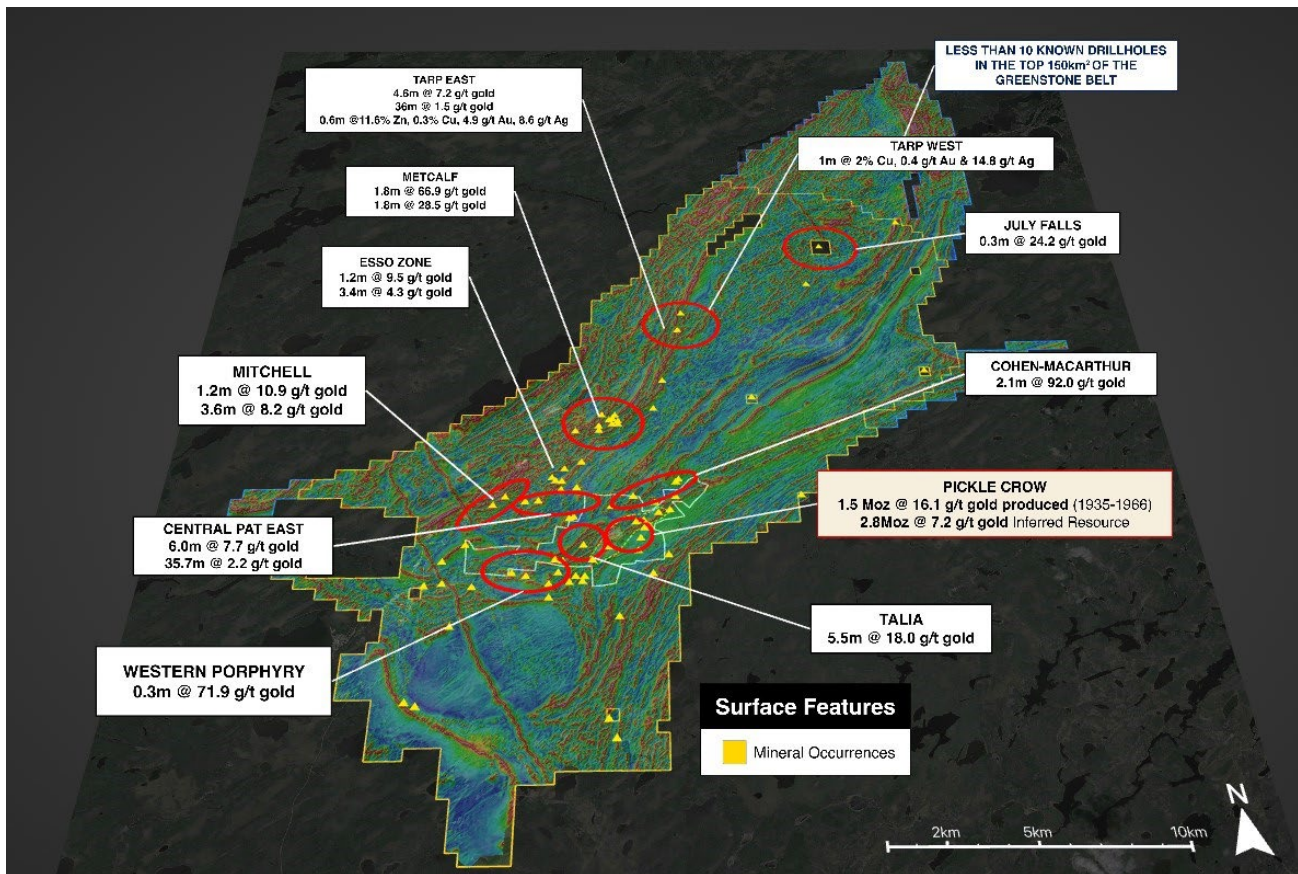
## Appendix 1 – Significant Shallow Open Pit Potential



## Significant Potential to Grow the 2.8Moz @ 7.2g/t Resource

- Potential for Open Pit as well as Underground mining at the Pickle Crow Deposit
- Significant proportion of resource shallow from surface
- Over **1Moz** above 0.5g/t in the top **250 metres**
- **Extensive** shallow mineralisation in the **top 250m** below surface **outside of the current Resource**
- Resource remains open in all directions

# Appendix 1 – Huge Discovery Potential – An Entire Mineral District



## EXCEPTIONAL UPSIDE

- First time entire Pickle Crow district held by one company
- Over 46km of strike to be tested
- Regional systematic geochemical sampling underway
- Low-cost discovery potential
- Numerous high priority walk up targets

# Appendix 2 – FireFly Metals Resources



## Mineral Resources – Green Bay Copper – Gold Project<sup>1</sup>

MING MINE	Measured			Indicated			Inferred			TOTAL RESOURCE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	8.4Mt	1.71%	144kt	15.3Mt	1.85%	284kt	6.4Mt	1.86%	120kt	30.2Mt	1.81%	547kt
Gold		0.5g/t	124koz		0.3g/t	148koz		0.4g/t	79koz		0.4g/t	351koz
Silver		3.6g/t	962koz		2.4g/t	1,164koz		2.6g/t	537koz		2.8g/t	2,664koz

LITTLE DEER	Measured			Indicated			Inferred			TOTAL RESOURCE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	-	-	-	2.8Mt	2.13%	61kt	6.2Mt	1.79%	111kt	9.1Mt	1.90%	172kt
Gold	-	-	-		0.1g/t	9koz		0.05g/t	9koz		0.07g/t	19koz
Silver	-	-	-		3.4g/t			2.2g/t			2.6g/t	748koz

**Total Resource:** 39.2Mt @ 1.83% Cu, 0.29g/t Au & 2.7g/t Ag  
**Contained Metal:** 719kt Cu, 370koz Au, 3.4Moz Ag

68% of the Copper is in M&I

## Mineral Resources – Pickle Crow Gold Project<sup>2</sup>

PICKLE CROW	Measured			Indicated			Inferred			TOTAL RESOURCE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Gold	-	-	-	-	-	-	11.9Mt	7.2g/t	2.8Moz	11.9Mt	7.2g/t	2.8Moz

1. For further details refer to FireFly ASX announcement dated August 31, 2023. Prepared in accordance with Canadian National Instrument 43-101. The estimate is a foreign estimate and has not been reported in accordance with JORC 2012. A competent person has not done sufficient work to classify the foreign estimate as a mineral resource in accordance with JORC 2012 and it is uncertain that following further evaluation and exploration work that the foreign estimate will be able to be reported as a mineral resource under the JORC Code 2012. Metal equivalents calculated using a copper price of US\$8,295/t, gold price of US\$1,912/oz and a silver price of US\$22.59/oz. Copper equivalent was calculated based on the formula  $CuEq(\%) = Cu(\%) + (0.74112 \times Au(g/t)) + (0.00876 \times Ag(g/t))$ . No metallurgical recovery factors have been applied to the in-situ resource. It is the Company's view that all elements in the copper equivalent calculation have a reasonable potential to be recovered and sold.

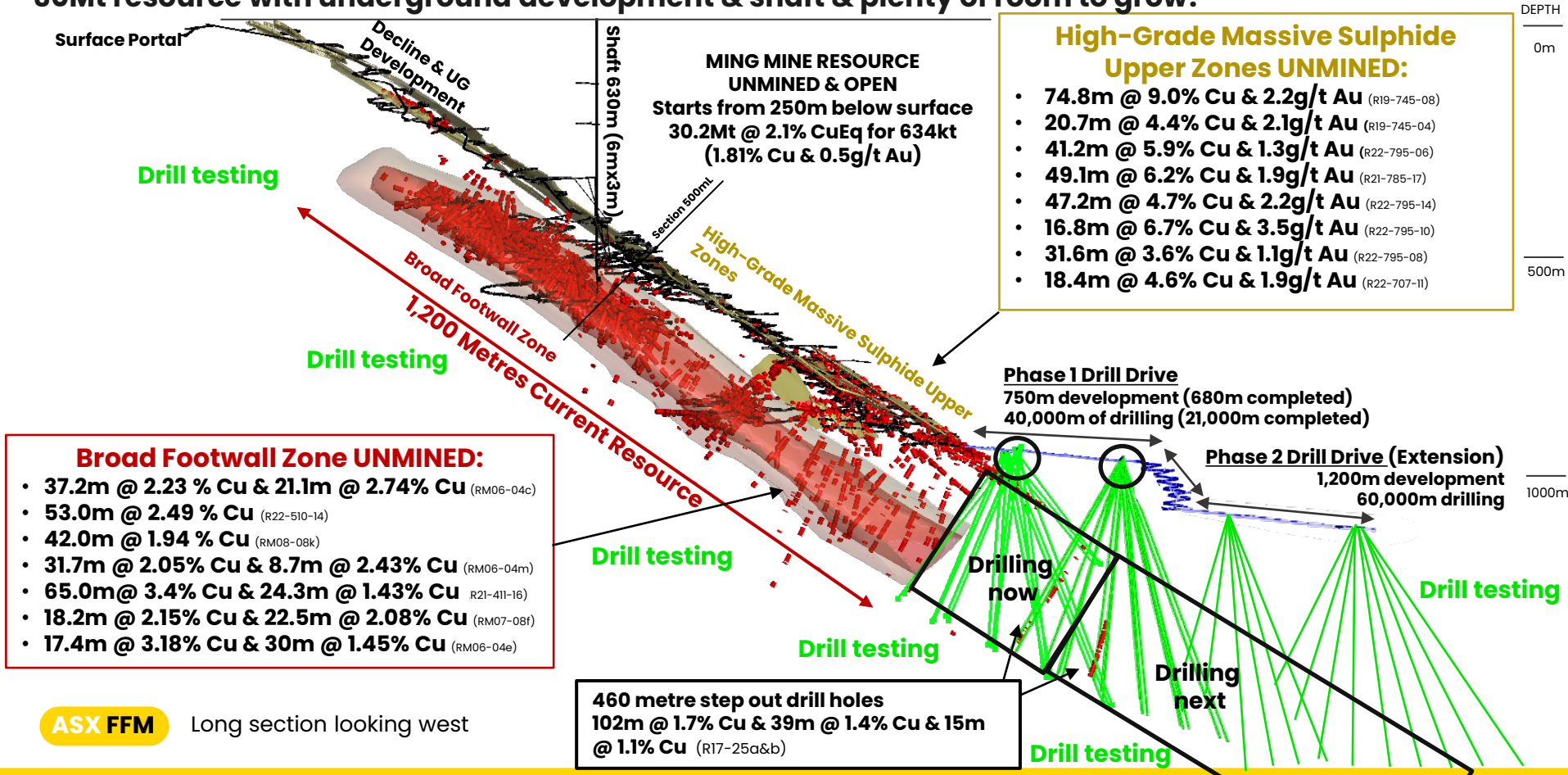
2. For further details refer to FireFly ASX announcement dated May 4, 2023 titled 'High-Grade Inferred Gold Resource Grows to 2.8Moz at 7.2g/t'





# A Major VMS Copper-Gold Mineralised System

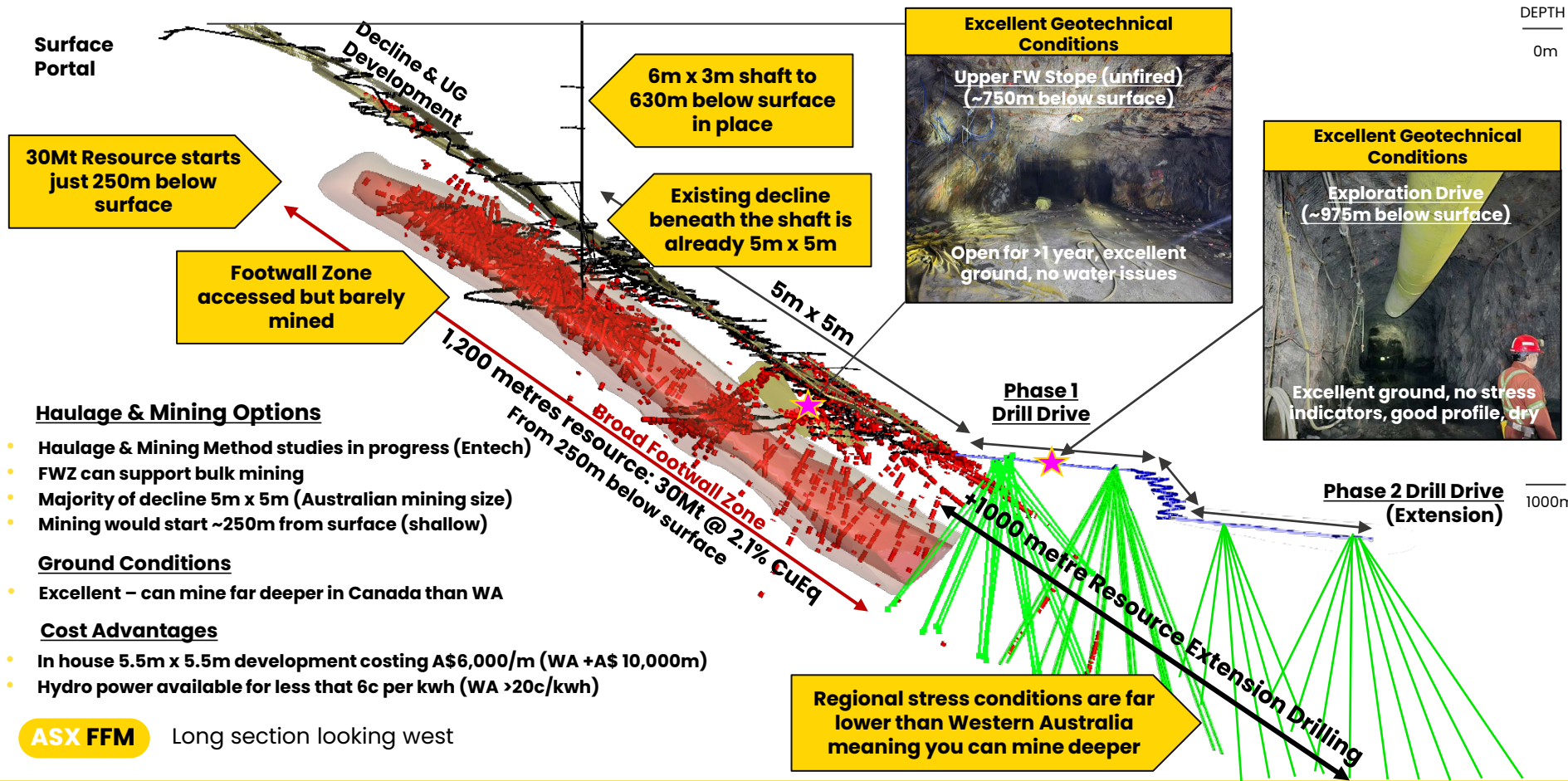
30Mt resource with underground development & shaft & plenty of room to grow!







# Existing Infrastructure = Lower Capex and Rapid Start-up



## Haulage & Mining Options

- Haulage & Mining Method studies in progress (Entech)
- FWZ can support bulk mining
- Majority of decline 5m x 5m (Australian mining size)
- Mining would start ~250m from surface (shallow)

## Ground Conditions

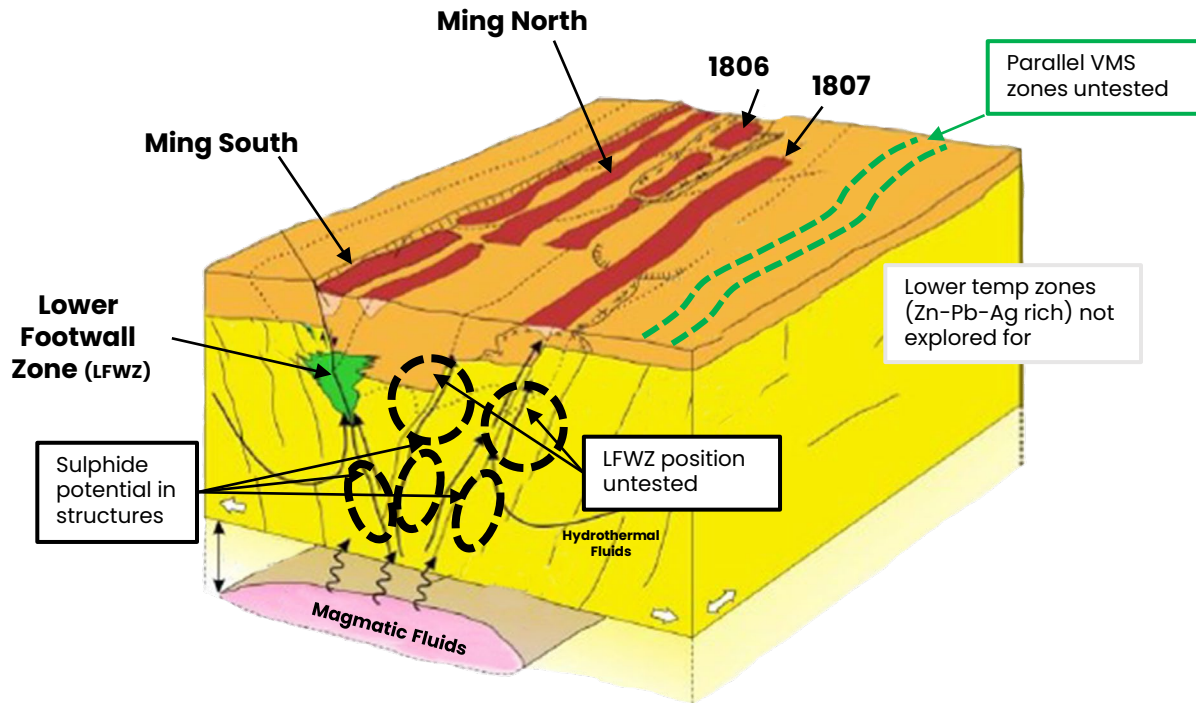
- Excellent – can mine far deeper in Canada than WA


## Cost Advantages

- In house 5.5m x 5.5m development costing A\$6,000/m (WA +A\$ 10,000m)
- Hydro power available for less than 6c per kwh (WA >20c/kwh)

# Green Bay Project Exploration Targeting

## MING DEPOSIT MODEL HIGHLIGHTS EXCEPTIONAL EXPLORATION UPSIDE<sup>1</sup>



 Volcanogenic Massive Sulphide (VMS) Mineralisation

 Stringer / Disseminated Mineralisation (Feeder)

### EXPLORATION OPPORTUNITY

- Limited exploration has been conducted in the past 40 years – a key opportunity
- Downhole geophysics is a powerful exploration tool for this type of ore...and rarely been used by previous company
- Because the mine was hand-to-mouth, there has been limited exploration outside of the known ore zones

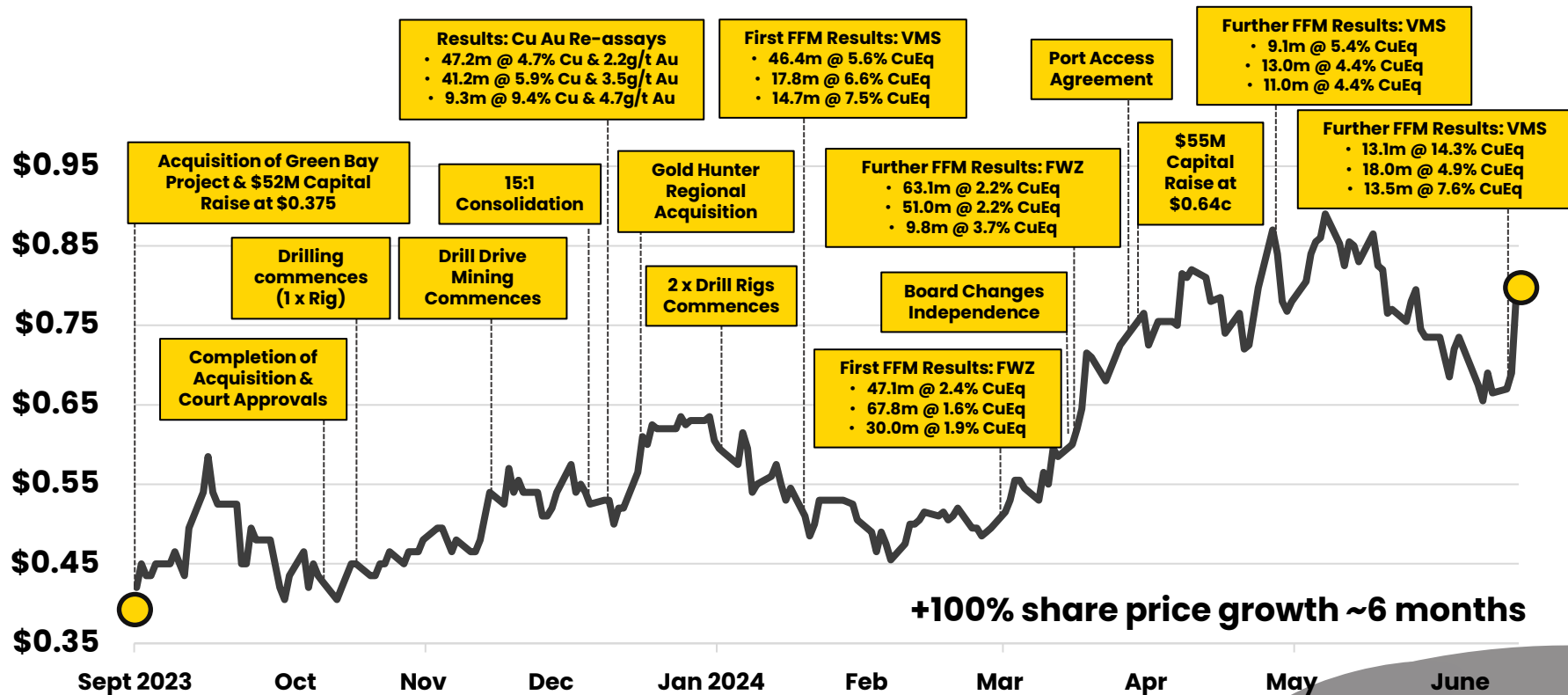
### KEY TARGETS

- Conduct downhole and surface electrical geophysical programs
- Drill test for parallel VMS mineralisation horizons
- Test for LFWZ-style stringer mineralisation beneath known VMS zones
- Explore for Zinc-Silver rich lateral zones within the system

# The Rapid Transformation of FireFly Metals



Continued catalyst rich growth to unlock value for shareholders and stakeholders



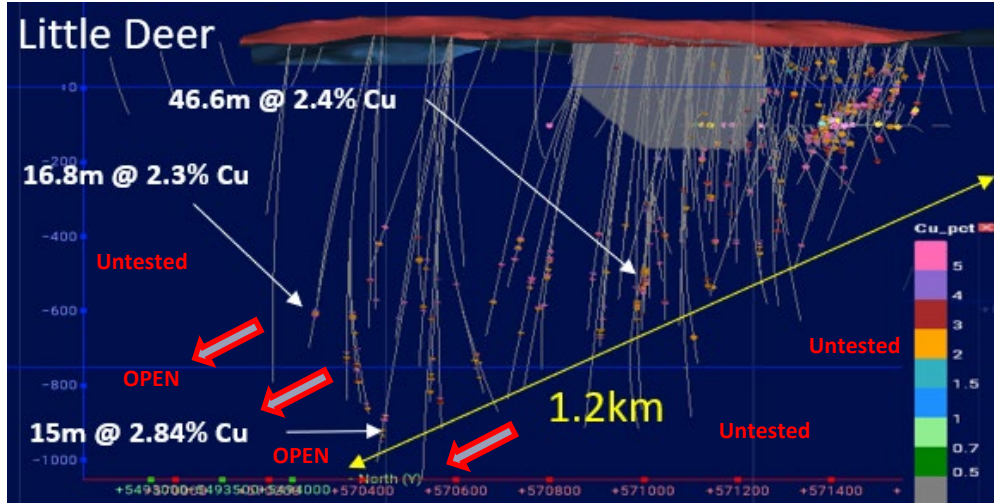
+100% share price growth ~6 months

ASX FFM

1. For further detail, please refer to ASX releases dated 31/08/2023, 4/09/2023, 12/09/2023, 20/10/2023, 23/10/2023, 21/11/2023, 27/11/2023, 07/12/2023, 11/12/2023, 14/12/2023, 22/12/2023, 16/01/2024, 04/03/2024, 19/03/2024, 21/03/2024, 26/03/2024, 28/03/2024, 29/04/2024 and 19/06/2024

# Green Bay Project – Nearby Little Deer Cu-Au Complex

An unrealised opportunity with significant growth upside

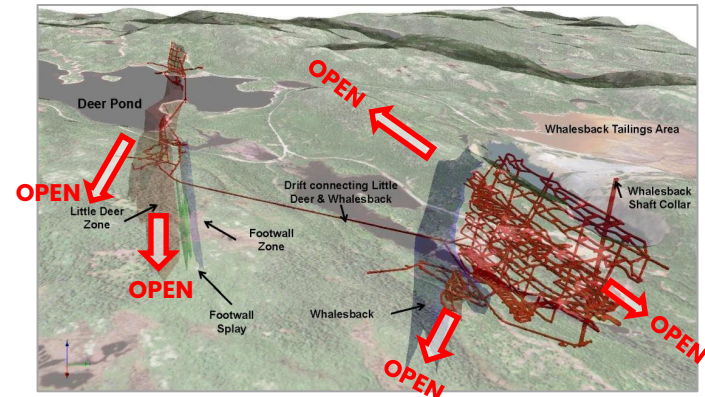


CURRENT RESOURCE

LITTLE DEER	TOTAL RESOURCE		
	Tonnes	Grade	Metal
Copper	9.1Mt	1.90%	172kt
Gold		0.07g/t	19koz
Silver		2.6g/t	748koz

## TWO HISTORICAL MINES WITH NO MODERN EXPLORATION

- Little Deer and Whalesback deposits mined between 1960 and 1972 (historic production of 3.8Mt @ 1% Cu)
- Significant land holding (~90km<sup>2</sup>)
- Little exploration work undertaken
- No modern geophysics
- Mineralisation open



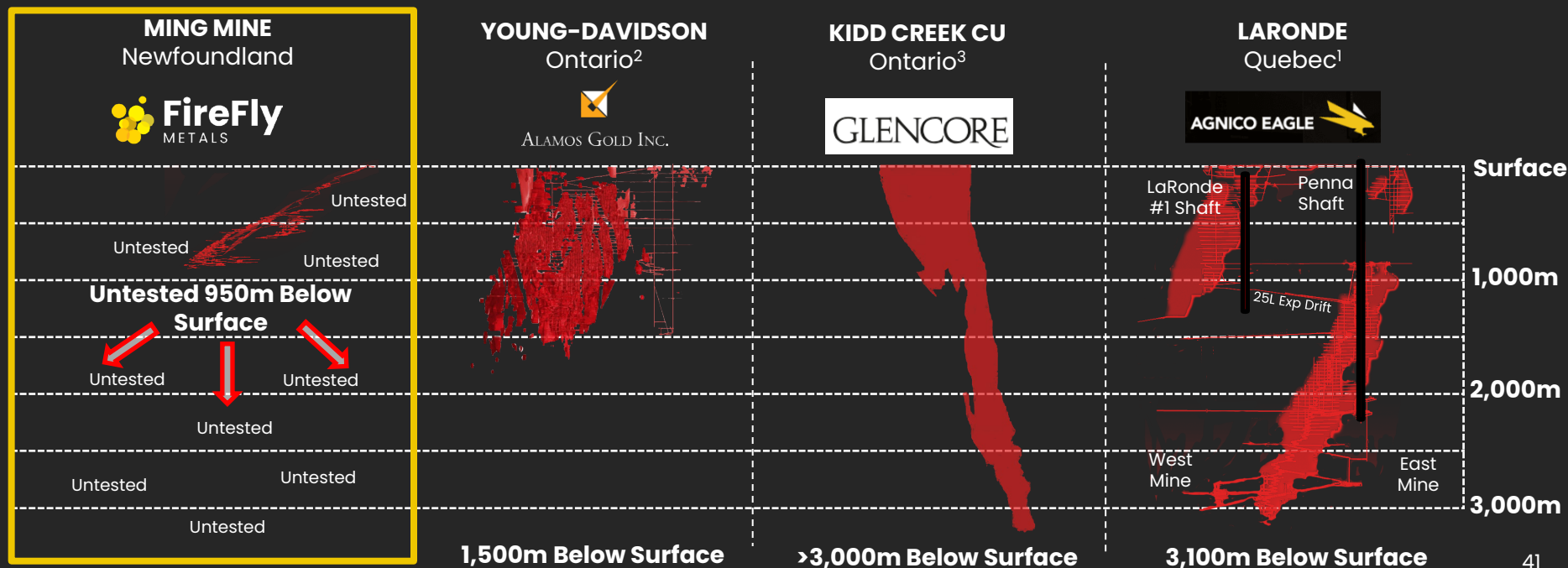


# Excellent Ground Conditions

**Low rock stress conditions allow for much deeper mining**

**Supported with existing decline, underground development & shaft**

- The Mine is relatively shallow in comparison to other underground operations in Canada
- Low regional stress conditions allow for much deeper mining than in Western Australia
- Less than half the regional rock stress levels (less ground support required = less costs = deeper depths)



# Underground Mine is Ready and Fully Operational

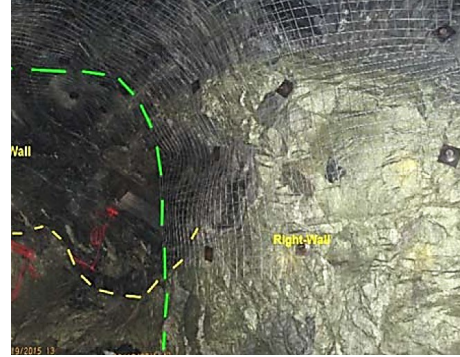


- Underground drilling ~30,000m completed
- Two drill rigs operating (simple resource growth)
- Third & fourth drill rigs mobilising (targeting new discoveries and geophysics)
- Underground drill drive already 680m completed
- Exceptional geotechnical ground conditions
- Decline accessible to 950m & Shaft to 630m
- Dewatered and mine operations permitted



ASX FFM

**Massive Sulphide  
High-Grade Copper-Gold**



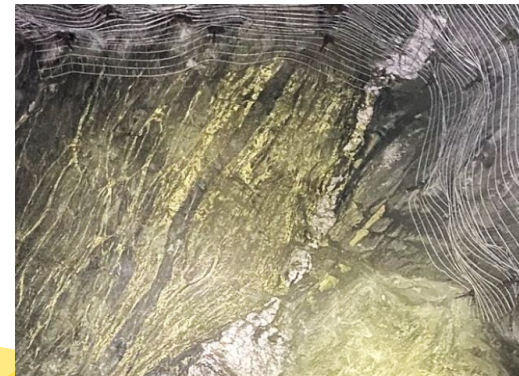
**Development Drive**



**Excellent Underground Conditions  
(~15 metre wide development at 800 level)**



**High-Grade Development Face**



# Green Bay Copper-Gold Highlights (100% FFM Ownership)

A low-cost acquisition that transforms FireFly into a leading ASX copper-gold developer



## Significant Resource Growth

- Mineralisation is open
- Multiple parallel lodes
- No regional exploration in the past 25 years
- Geophysical targeting

## Operational Upside

- Drilling to demonstrate a significantly larger resource to underscore a significantly larger operation



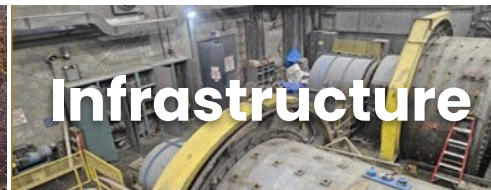
## Operationally ready UG mine

- Ming Mine open and accessible to 950m depth
- Simple continuous high-grade orebodies
- Dewatered ready to go (currently on care and maintenance)
- Numerous stopes ready to mine
- Multiple drill ready UG platforms



## High Grade Copper-Gold

- Current resource of 39.2Mt @ 1.83% copper & 0.5g/t gold for 81lkt at 2.07% copper equivalent<sup>1</sup>
- Orebody starts from only 250m below surface and extends to 1000m (OPEN)
- High-confidence with 68% in M&I category<sup>1</sup>
- Simple metallurgy ~96%
- 370koz Au & 3.4Moz Ag



## +A\$250M of Infrastructure

- Fully permitted operation
- >20km of underground development
- Processing Plant – Crushing & Flotation 1,500tpd / 500ktpa
- Deepwater Port ~1Mtpa concentrate shipping capacity
- Shaft to 630m depth (6mx3m)
- Hydro Power (low cost & green energy)
- Surface workshops, offices & 50-person camp

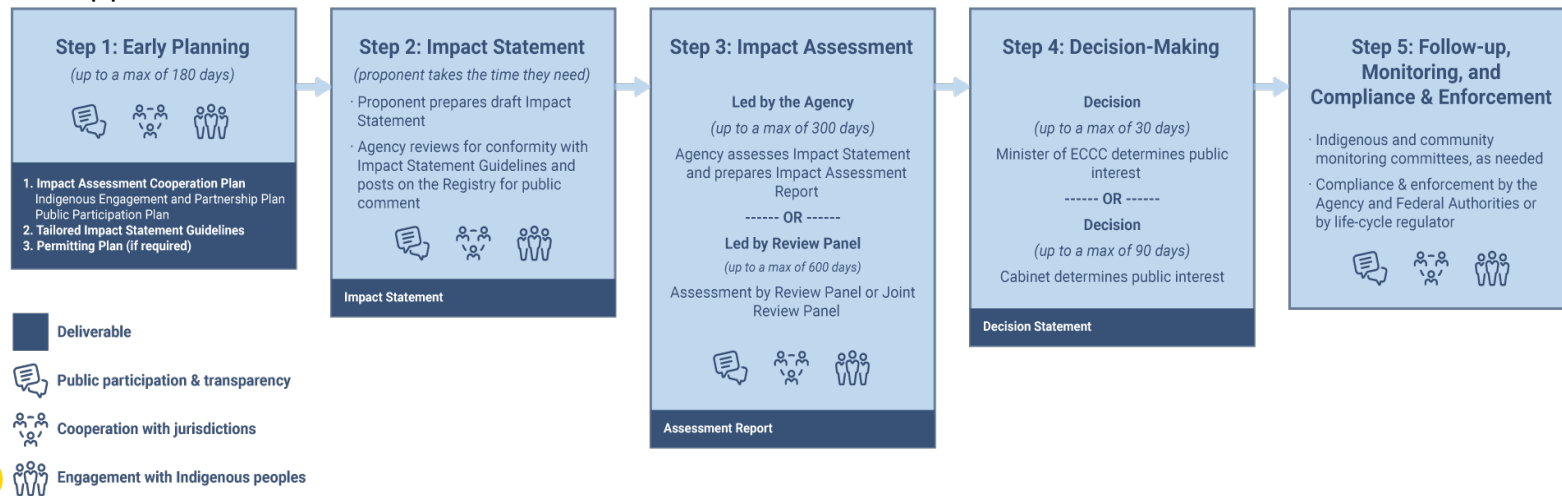


# Permitting in Newfoundland & Labrador

## Strong government support and leveraging existing permits to fast-track any future expansion

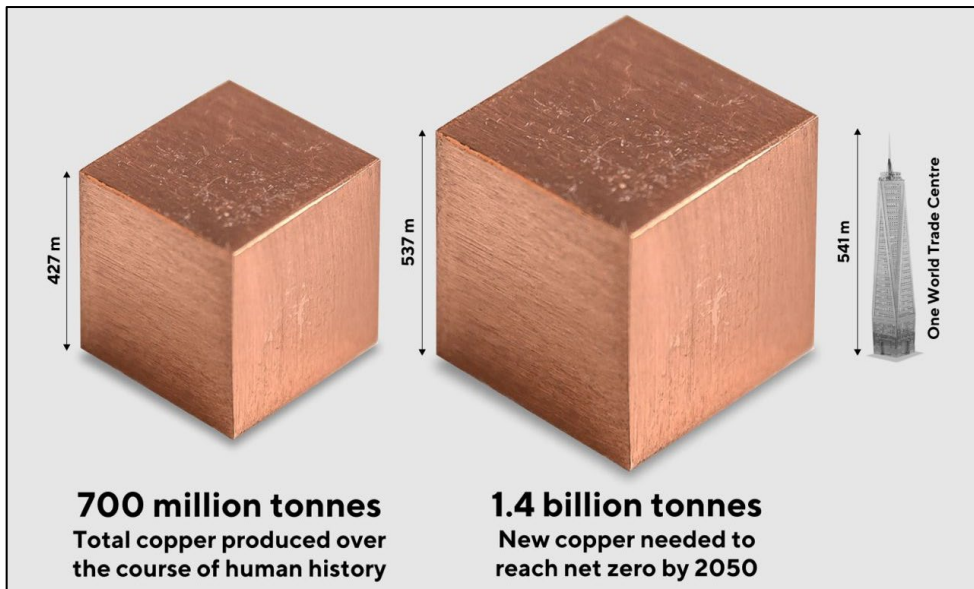
### The Federal Environmental Assessment (EA) Process Impact Assessment Act 2019

- In Canada, approvals are Province-based, however for large-scale projects Federal government environmental approval is required
- The current mine operation is fully permitted for current infrastructure, however a significant expansion may trigger a Federal EA approval
- The Federal EA can be completed in < 3 years with:
  - Strong government relations
  - Clear and well-designed project description
  - Robust baseline studies completed
  - Support and agreements with key communities

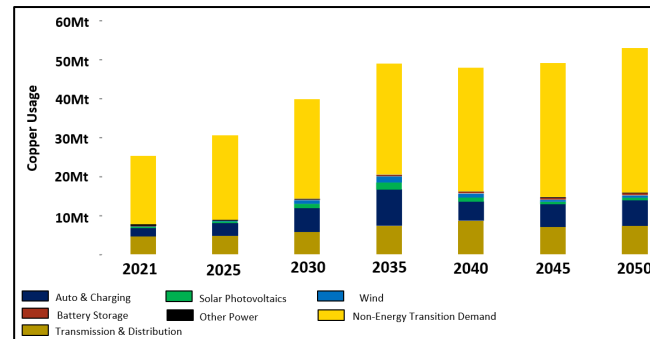


# Copper – The Macro Landscape

**Nearly twice the amount of copper mined in human history is required in the next 27 years to achieve net zero by 2050<sup>1</sup>**



- **700mt** of Cu have been mined in the **previous 3,000 years**
- **1,400mt** are required in the **next 27 years** to achieve net zero by 2050, equating to more than **300 new mines**



## Global Copper Mining Issues

- **Decreasing copper grades**
- **Reduced discovery rates**
- **Time and cost to production**
- **Mining is getting deeper**
- **Social License becoming more challenging**



# Appendix 4 – 2023 Copper Production Data



PROPERTY	CURRENT OWNER	2023 Cu Metal PRODUCTION (Tonnes)	SOURCE DATA
Ant Hill	Austral Resources	9,267	1. March 2023 Quarterly Report. <a href="https://www.australres.com/media/1273/20230414-ar1-austral-march-2023-quarterly-report.pdf?utm_source=ar1+mc&amp;utm_medium=ar1+mc&amp;utm_campaign=ar1+mc">https://www.australres.com/media/1273/20230414-ar1-austral-march-2023-quarterly-report.pdf?utm_source=ar1+mc&amp;utm_medium=ar1+mc&amp;utm_campaign=ar1+mc</a> 2. June 2023 Quarterly Report. <a href="https://www.australres.com/media/1283/ar1_austral_june_2023_quarterly_report.pdf?utm_source=ar1+mc&amp;utm_medium=ar1+mc&amp;utm_campaign=ar1+mc">https://www.australres.com/media/1283/ar1_austral_june_2023_quarterly_report.pdf?utm_source=ar1+mc&amp;utm_medium=ar1+mc&amp;utm_campaign=ar1+mc</a> 3. September 2023 Quarterly Report. <a href="https://www.australres.com/media/1293/2634353.pdf">https://www.australres.com/media/1293/2634353.pdf</a> 4. December 2023 Quarterly Report. <a href="https://www.australres.com/media/1297/20240131-ar1-austral-december-2023-quarterly-report.pdf">https://www.australres.com/media/1297/20240131-ar1-austral-december-2023-quarterly-report.pdf</a>
Antamina	BHP	137,800	1. March 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851</a> 2. June 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870</a> 3. September 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557</a> 4. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845</a>
Bingham Canyon	Rio Tinto	151,600	1. 2023 Q4 Quarterly Report. <a href="https://cdn-rto.dataweavers.io/-/media/content/documents/invest/financial-news-and-performance/production/2023/rt-2023-4qor-xlsx.xlsx?rev=aad10406fcb14b619b06de87049d4830">https://cdn-rto.dataweavers.io/-/media/content/documents/invest/financial-news-and-performance/production/2023/rt-2023-4qor-xlsx.xlsx?rev=aad10406fcb14b619b06de87049d4830</a> 2. 2023 Annual Report. <a href="https://cdn.prod.website-files.com/640b21824379a3d73f0eecd6/6621cfc28e0086ad02ad5d17_2023%20Annual%20Report_29Metals.pdf">https://cdn.prod.website-files.com/640b21824379a3d73f0eecd6/6621cfc28e0086ad02ad5d17_2023%20Annual%20Report_29Metals.pdf</a>
Capricorn Copper	29 Metals	6,127	
Cobar	Metals Acquisition Corp.	36,150	1. 2023 Annual Report. <a href="https://s202.q4cdn.com/908723817/files/doc_financials/2023/ar/24-03-28_mac-asx_metals-acquisition-ltd-annual-report_ver-0_for-issue.pdf">https://s202.q4cdn.com/908723817/files/doc_financials/2023/ar/24-03-28_mac-asx_metals-acquisition-ltd-annual-report_ver-0_for-issue.pdf</a>
Copper South Aust.	BHP	282,000	1. March 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851</a> 2. June 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870</a> 3. September 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557</a> 4. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845</a>
Cozamin	Capstone Copper Corp.	24,340	1. Annual Information Form 2023. <a href="https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf">https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf</a>
Ernest Henry	Evolution Mining	43,838	1. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763211-2A1500142">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763211-2A1500142</a>
Escondida	BHP	1,072,500	1. March 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851</a> 2. June 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870</a> 3. September 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557</a> 4. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845</a>
Eloise	AIC Mines	12,186	1. December 2023 Quarterly Report. <a href="https://app.sharelinktechnologies.com/announcement/asx/8deca4ff2d647d51ae8759b29d0ebc38">https://app.sharelinktechnologies.com/announcement/asx/8deca4ff2d647d51ae8759b29d0ebc38</a>
Golden Grove	29 Metals	18,096	1. 2023 Annual Report. <a href="https://cdn.prod.website-files.com/640b21824379a3d73f0eecd6/6621cfc28e0086ad02ad5d17_2023%20Annual%20Report_29Metals.pdf">https://cdn.prod.website-files.com/640b21824379a3d73f0eecd6/6621cfc28e0086ad02ad5d17_2023%20Annual%20Report_29Metals.pdf</a>
Mantos Blancos	Capstone Copper Corp.	49,552	1. Annual Information Form 2023. <a href="https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf">https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf</a>
Mantoverde	Capstone Copper Corp.	49,552	1. Annual Information Form 2023. <a href="https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf">https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf</a>
MATSA	Sandfire Resources	57,951	1. March 2023 Quarterly Report. <a href="https://sfr.live.irmau.com/site/pdf/c84360dc-5b88-426e-bdca-54ad5117e8ad/Sandfire-March-2023-Quarterly-Report.pdf">https://sfr.live.irmau.com/site/pdf/c84360dc-5b88-426e-bdca-54ad5117e8ad/Sandfire-March-2023-Quarterly-Report.pdf</a> 2. June 2023 Quarterly Report. <a href="https://sfr.live.irmau.com/site/pdf/6af004bf-7636-4361-b659-7e911eb02b5e/Sandfire-June-2023-Quarterly-Report.pdf">https://sfr.live.irmau.com/site/pdf/6af004bf-7636-4361-b659-7e911eb02b5e/Sandfire-June-2023-Quarterly-Report.pdf</a> 3. September 2023 Quarterly Report. <a href="https://sfr.live.irmau.com/site/pdf/878de2b1-46cd-4965-8e6a-193be92a2913/Sandfire-September-2023-Quarterly-Report.pdf">https://sfr.live.irmau.com/site/pdf/878de2b1-46cd-4965-8e6a-193be92a2913/Sandfire-September-2023-Quarterly-Report.pdf</a> 4. December 2023 Quarterly Report. <a href="https://sfr.live.irmau.com/site/pdf/569228bb-ed66-4b5d-8308-d9cf90323bd1/Sandfire-December-2023-Quarterly-Report.pdf">https://sfr.live.irmau.com/site/pdf/569228bb-ed66-4b5d-8308-d9cf90323bd1/Sandfire-December-2023-Quarterly-Report.pdf</a>
North Qld / Mt Colin	Aeris Resources	7,110	1. Bell Potter Unearthed Conference Presentation. <a href="https://clients3.weblink.com.au/pdf/AIS/02771913.pdf">https://clients3.weblink.com.au/pdf/AIS/02771913.pdf</a>
Northparkes	Evolution Mining (80%)	26,750	1. ASX Release Northparkes Site Visit Presentation. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02818667-2A1529779">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02818667-2A1529779</a>
Nova-Bollinger	IGO	10,315	1. March 2023 Quarterly Activities Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02659135-6A1147156">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02659135-6A1147156</a> 2. June 2023 Quarterly Activities Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02691736-6A1160749">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02691736-6A1160749</a> 3. September 2023 Quarterly Activities Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02732115-6A1177232">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02732115-6A1177232</a> 4. December 2023 Quarterly Activities Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02767304-6A1191721">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02767304-6A1191721</a>
Oyu Tolgoi	Rio Tinto	168,100	1. 2023 Q4 Quarterly Report. <a href="https://cdn-rto.dataweavers.io/-/media/content/documents/invest/financial-news-and-performance/production/2023/rt-2023-4qor-xlsx.xlsx?rev=aad10406fcb14b619b06de87049d4830">https://cdn-rto.dataweavers.io/-/media/content/documents/invest/financial-news-and-performance/production/2023/rt-2023-4qor-xlsx.xlsx?rev=aad10406fcb14b619b06de87049d4830</a>
Pampa Norte	BHP	279,600	1. March 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02656658-3A616851</a> 2. June 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02688385-3A621870</a> 3. September 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02726563-3A628557</a> 4. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02763530-3A634845</a>
Pinto Valley	Capstone Copper Corp.	55,090	1. Annual Information Form 2023. <a href="https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf">https://capstonecopper.com/wp-content/uploads/2024/03/Annual-Information-Form-2023-.pdf</a>

# Appendix 4 – 2023 Copper Production Data

PROPERTY	CURRENT OWNER	2023 Cu Metal PRODUCTION (Tonnes)	SOURCE DATA
Sierra Gorda	South 32 (45%)	64,400	1. March 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02657109-6A1146280">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02657109-6A1146280</a> 2. June 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02689129-6A1159433">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02689129-6A1159433</a> 3. September 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02728334-6A1175483">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02728334-6A1175483</a> 4. December 2023 Quarterly Report. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02764222-6A1190270">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02764222-6A1190270</a>
Tritton	Aeris Resources	17,205	1. Bell Potter Unearthed Conference Presentation. <a href="https://clients3.weblink.com.au/pdf/AIS/02771913.pdf">https://clients3.weblink.com.au/pdf/AIS/02771913.pdf</a>

# Appendix 5 – References:

## ' Green Bay Copper & Gold

### A potential company making project'



Number	FOOTNOTES
1	Resources for Green Bay and McIlvenna Bay are calculated under the Canadian NI 43-101 standards and are regarded as Foreign Estimates. Resources for Cobar and Ernest Henry Projects are reported under JORC 2012.
2	<b>Source:</b> FireFly Metals' ASX release dated 31 August 2023
3	Please note that proportional equivalent metal for resources are not ore reserves and do not represent the value of what can be mined. Proportional equivalent resource values are calculated using commodity prices as follows: Cu: US\$8,500/t, Zn: US\$2,500/t, Pb: US\$2,230/t, Au: US\$2,000/oz, Ag: US\$25/oz.
4	Market capitalisation based on FFM Share price as at market close 10 July 2024
5	<b>Source:</b> Foran Corporate Presentation July 2024. Available here: <a href="https://foranmining.com/wp-content/uploads/2022/09/Foran-Corporate-Presentation.pdf">https://foranmining.com/wp-content/uploads/2022/09/Foran-Corporate-Presentation.pdf</a>
6	<b>Source:</b> McIlvenna Bay Feasibility Study, April 2022. Available here: <a href="https://foranmining.com/wp-content/uploads/2022/04/McIlvenna-Bay-Feasibility-Study.pdf">https://foranmining.com/wp-content/uploads/2022/04/McIlvenna-Bay-Feasibility-Study.pdf</a>
7	<b>Source:</b> S&P Global on 9 June 2024
8	Market capitalisation assumes current 333M shares plus the addition of 74,872,245 shares as per the announcement dated 15 July 2024 titled 'Foran Announces Strategic Investments by Fairfax Financial, Agnico Eagle and other Cornerstone Investors, Formal Construction Decision for Phase 1 at McIlvenna Bay and Advances Planning for Phase 2' <a href="https://foranmining.com/wp-content/uploads/2024/07/Foran-News-Release-Foran-Announces-Strategic-Investments-by-Fairfax-Financial-Agnico-Eagle-and-other-Cornerstone-Investors-Formal-Construction-Decision-for-Phase.pdf">https://foranmining.com/wp-content/uploads/2024/07/Foran-News-Release-Foran-Announces-Strategic-Investments-by-Fairfax-Financial-Agnico-Eagle-and-other-Cornerstone-Investors-Formal-Construction-Decision-for-Phase.pdf</a>
9	<b>Source:</b> Metals Acquisition Corp.'s ASX release dated 23 April 2024 titled 'Updated Resource and Reserve Statement and Production Guidance'. Please refer to this announcement for disclosures on the parameters used to calculate the mineral resource estimate. <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02798100-6A1203769&amp;v=4015c7b87631faf94ecd96975272ff9ad5cb14c3">https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02798100-6A1203769&amp;v=4015c7b87631faf94ecd96975272ff9ad5cb14c3</a>
10	<b>Source:</b> Metals Acquisition Corp.'s 2023 Annual Report. Available here: <a href="https://s202q4cdn.com/908723817/files/doc_financials/2023/ar/24-03-28_mac-asx_metals-acquisition-ltd-annual-report_ver-0_for-issue.pdf">https://s202q4cdn.com/908723817/files/doc_financials/2023/ar/24-03-28_mac-asx_metals-acquisition-ltd-annual-report_ver-0_for-issue.pdf</a>
11	<b>Source:</b> Metals Acquisition Corp.'s News release dated 16 June 2023. Available here: <a href="https://www.metalsacquisition.com/investor-relations/news/news-details/2023/Metals-Acquisition-Limited-Closes-Purchase-of-the-CSA-Copper-Mine/default.aspx">https://www.metalsacquisition.com/investor-relations/news/news-details/2023/Metals-Acquisition-Limited-Closes-Purchase-of-the-CSA-Copper-Mine/default.aspx</a> . Purchase price assumes a 0.65 AUD:USD exchange rate. Total number does not include the USD\$150M in future potential contingency payments.
12	<b>Source:</b> ASX Announcement 17 August 2023 Titled 'Further Increase to Ernest Henry Resource'. <a href="https://evolutionmining.com.au/wp-content/uploads/2023/08/2591942_Further-Increase-in-Ernest-Henry-Mineral-Resource.pdf">https://evolutionmining.com.au/wp-content/uploads/2023/08/2591942_Further-Increase-in-Ernest-Henry-Mineral-Resource.pdf</a>
13	<b>Source:</b> Ernest Henry FY23 Fact Sheet. Available here: <a href="https://evolutionmining.com.au/storage/2023/10/Ernest-Henry-fact-sheet-FY23F.pdf">https://evolutionmining.com.au/storage/2023/10/Ernest-Henry-fact-sheet-FY23F.pdf</a>
14	<b>Source:</b> Evolution's FY23 Annual Report. Available here: <a href="https://evolutionmining.com.au/storage/2023/10/2625444-2023-Annual-Report.pdf">https://evolutionmining.com.au/storage/2023/10/2625444-2023-Annual-Report.pdf</a>
15	<b>Source:</b> Evolution's ASX releases dated 24 August 2016 (available here: <a href="https://evolutionmining.com.au/wp-content/uploads/2016/08/1585478_Acquisition-of-Economic-Interest-in-EH.pdf">https://evolutionmining.com.au/wp-content/uploads/2016/08/1585478_Acquisition-of-Economic-Interest-in-EH.pdf</a> ) and 17 November 2021 (available here: <a href="https://evolutionmining.com.au/wp-content/uploads/2021/11/2302087_EVN-secures-full-ownership-of-Ernest-Henry-1.pdf">https://evolutionmining.com.au/wp-content/uploads/2021/11/2302087_EVN-secures-full-ownership-of-Ernest-Henry-1.pdf</a> )
16	Calculated based on EVN share price at close on 10 July 2024

# Appendix 6– External Company Resources & Reserves



## F O R A N Mineral Resources – Foran Mining Mcllvenna Bay Project<sup>1</sup>

Mcllvenna	Measured			Indicated			TOTAL M&I			Mcllvenna	Inferred		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal		Tonnes	Grade	Metal
Copper	-	-	-	39.1Mt	1.2 %	469kt	39.1Mt	1.2 %	469kt	Copper	5.1Mt	0.94	47kt
Zinc		-	-		2.16 %	844kt		2.16 %	844kt	Zinc		2.56	129kt
Lead		-	-		0.14 %	55kt		0.14 %	55kt	Lead		0.17	8.5kt
Gold		-	-		0.41 g/t	515koz		0.41 g/t	515koz	Gold		0.27	44koz
Silver		-	-		14.0 g/t	18.1Moz		14.0 g/t	18.1Moz	Silver		15.9	2.6Moz

## F O R A N Mineral Reserve Estimate– Foran Mining Mcllvenna Bay Project<sup>2,3</sup>

Mcllvenna	Proven			Probable			TOTAL MINERAL RESERVE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	-	-	-	25.7Mt	1.23 %	316kt	25.7Mt	1.23 %	316kt
Zinc		-	-		2.39 %	614kt		2.39 %	614kt
Gold		-	-		0.47 g/t	388koz		0.47 g/t	388koz
Silver		-	-		15.3 g/t	12.6Moz		15.3 g/t	12.6Moz

- Source: Foran Mining's corporate presentation dated July 2024. Please refer to this presentation for disclosures on the parameters used to calculate the mineral resource estimate. <https://foranmining.com/wp-content/uploads/2022/09/Foran-Corporate-Presentation.pdf>. Effective date 6 September 2021. Above tables do not include Ore Reserves reported by Foran Mining. Prepared in accordance with Canadian National Instrument 43-101. The estimate is a foreign estimate and has not been reported in accordance with JORC 2012. A competent person has not done sufficient work to classify the foreign estimate as a mineral resource in accordance with JORC 2012 and it is uncertain that following further evaluation and exploration work that the foreign estimate will be able to be reported as a mineral resource under the JORC Code 2012.
- Source: Foran Mining's corporate presentation dated July 2024. <https://foranmining.com/wp-content/uploads/2022/09/Foran-Corporate-Presentation.pdf>.
- Source: Mcllvenna Bay Feasibility Study, April 14 2022. Please refer to this report for disclosures on the parameters used to calculate the mineral reserve estimate. Effective date is the 28<sup>th</sup> February 2022. Mineral reserves reported by Foran Mining were prepared in accordance with Canadian National Instrument 43-101. The estimate is a foreign estimate and has not been reported in accordance with JORC 2012. A competent person has not done sufficient work to classify the foreign estimate as an Ore Reserve in accordance with JORC 2012 and it is uncertain that following further evaluation work that the foreign estimate will be able to be reported as an Ore Reserve under the JORC Code 2012. <https://foranmining.com/wp-content/uploads/2022/04/Mcllvenna-Bay-Feasibility-Study.pdf>



# Appendix 6– External Company Resources & Reserves



## Mineral Resources – Metals Acquisition Corp. Cobar Project<sup>1</sup>

Cobar	Measured			Indicated			Inferred		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	10.1Mt	4.9%	500kt	6.4Mt	4.5%	285kt	3.6Mt	5.4%	196kt
Silver		19.0g/t	6.2Moz		15.0g/t	3.1Moz		21.0g/t	2.4Moz

Cobar	TOTAL M, I & Inf		
	Tonnes	Grade	Metal
Copper	20.2	4.9%	981kt
Silver		18.0g/t	11.7Moz



## Ore Reserve Estimate – Metals Acquisition Corp. Cobar Project<sup>1</sup>

Cobar	Proved			Probable			TOTAL MINERAL RESERVE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	8.3Mt	3.5%	293kt	6.6Mt	3.1%	201kt	14.9Mt	3.3%	494kt
Silver		14.0g/t	3.9Moz		11.0g/t	2.4Moz		13.0g/t	6.2Moz

<sup>1</sup> Source: Metals Acquisition Corp.'s ASX release dated 23 April 2024 titled 'Updated Resource and Reserve Statement and Production Guidance'. Please refer to this announcement for disclosures on the parameters used to calculate the Mineral Resource and Ore Reserve estimates. <https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02798100-6AI203769&v=4015c7b87631faf94ecd96975272ff9ad5cb14c3>. Effective date 31 August 2021. Both Mineral Resources and Ore Reserves have been prepared in accordance with JORC Code (2012 Edition).

# Appendix 6- Company Resources



## Mineral Resources – Evolution Mining Ernest Henry Project<sup>1</sup>

Ernest Henry	Measured			Indicated			Inferred		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	35.0Mt	1.31%	458kt	35.0Mt	1.29%	450kt	31.5Mt	1.15%	363kt
Gold		0.75g/t	847koz		0.76g/t	852koz		0.66g/t	668koz

Ernest Henry	TOTAL M, I & Inf		
	Tonnes	Grade	Metal
Copper	101.5Mt	1.25%	1,271kt
Gold		0.73g/t	2,368koz



## Ore Reserve Estimate – Evolution Mining Ernest Henry Project<sup>2</sup>

Ernest Henry	Proved			Probable			TOTAL MINERAL RESERVE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Copper	26.5Mt	1.08%	287kt	50.9Mt	0.59%	302kt	77.4Mt	0.76%	589kt
Gold		0.62g/t	527koz		0.36g/t	582koz		0.45g/t	1,109koz

- Source: Evolution Mining's ASX release dated 17 August 2023 titled 'Further Increase in Ernest Henry Mineral Resource'. Please refer to this announcement for disclosures on the parameters used to calculate the mineral resource estimate. <https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1/0/file/2924-02798100-6A1203769&v=4015c7b87631fa94ecd96975272ff9ad5cbl4c3>. Effective date 30 June 2023. Above tables do not include Ore Reserves reported by Evolution Mining. The Mineral Resource has been prepared in accordance with JORC Code (2012 Edition).
- Source: Evolution Mining's ASX release dated 5 June 2023 titled 'Ernest Henry Mine Life Extended to 2040 – Ore Reserves Doubled'. The Effective date is at June 2023. Please refer to this announcement for disclosures on the parameters used to calculate the Ore Reserve estimate. The Ore Reserve has been prepared in accordance with the JORC Code (2012 Edition). [https://evolutionmining.com.au/wp-content/uploads/2023/06/2561152\\_Ernest-Henry-mine-life-extended-to-2040.pdf](https://evolutionmining.com.au/wp-content/uploads/2023/06/2561152_Ernest-Henry-mine-life-extended-to-2040.pdf)