

30 July 2024

ASX Announcement

Clarification Announcement

FireFly Metals Ltd (**Company**) released an announcement to ASX on 23 July 2024 titled "Firefly Melbourne Mining Club Presentation" (**Announcement**). Following discussions with the ASX, the Company provides the following clarification:

- Slide 41 is replaced and deleted with the following slide titled "Excellent Ground Conditions"; and
- The slides titled "Appendix 7 – Supplementary Information for slide titled Excellent Ground Conditions" are added as new slides 52 and 53.

Authorised by the Board of Directors

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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

Revised Melbourne Mining Club Presentation

30 July 2024

DISCLAIMER & CAUTIONARY STATEMENTS

This presentation has been prepared by FireFly Metals Limited (**Company**) based on information from its own and third party sources and is not a disclosure document. No party other than the Company has authorised or caused the issue, lodgement, submission, dispatch or provision of this presentation, or takes any responsibility for, or makes or purports to make any statements, representations or undertakings in this presentation. Except for any liability that cannot be excluded by law, the Company and its related bodies corporate, directors, employees, servants, advisers and agents disclaim and accept no responsibility or liability for any expenses, losses, damages or costs incurred by you relating in any way to this presentation including, without limitation, the information contained in or provided in connection with it, any errors or omissions from it however caused, lack of accuracy, completeness, currency or reliability or you or any other person placing any reliance on this presentation, its accuracy, completeness, currency or reliability. This presentation is not a prospectus, disclosure document or other offering document under Australian law or under any other law. It is provided for information purposes and is not an invitation nor offer of shares or recommendation for subscription, purchase or sale in any jurisdiction. This presentation does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. Each recipient must make its own independent assessment of the Company before acquiring any shares in the Company (**Shares**). The Company has made reference to historic drilling and exploration results from a variety of exploration companies over the past 60 years that had previously explored its Projects. References to previous announcements should be read in conjunction with this release.

This presentation may not be released to US wire services or distributed in the United States. The Shares have not been, and will not be, registered under the US Securities Act of 1933 and may not be offered or sold in the United States except in transactions exempt from, or not subject to, the registration requirements of the US Securities Act and applicable US state securities laws. The distribution of this presentation in the United States and elsewhere outside Australia may be restricted by law. Persons who come into possession of this presentation should observe any such restrictions as any non-compliance could contravene applicable securities laws.

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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Each recipient of the presentation should make its own enquiries and investigations regarding all information in this presentation including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of the Company and the impact that different future outcomes might have on the Company. Information in this presentation is not intended to be relied upon as advice to investors or potential investors and has been prepared without taking account of any person's individual investment objectives, financial situation or particular needs. Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own investment objectives, financial situation and needs and seek legal, accounting and taxation advice appropriate to their jurisdiction. The Company is not licensed to provide financial product advice in respect of its securities.

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**¹
- **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**²

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 480.7M¹

Management performance rights 34.9M²

A\$0.80

Current Share Price¹

A\$385M

Market Capitalisation¹

SHAREHOLDER SUMMARY³

Board & Management (fully diluted) 13%

Australian & Global Institutions 52%

BlackRock Group 13%

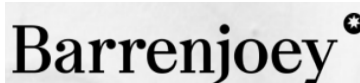
2.4M

Average Daily Volume⁴

~A\$52M

Cash Position⁴

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

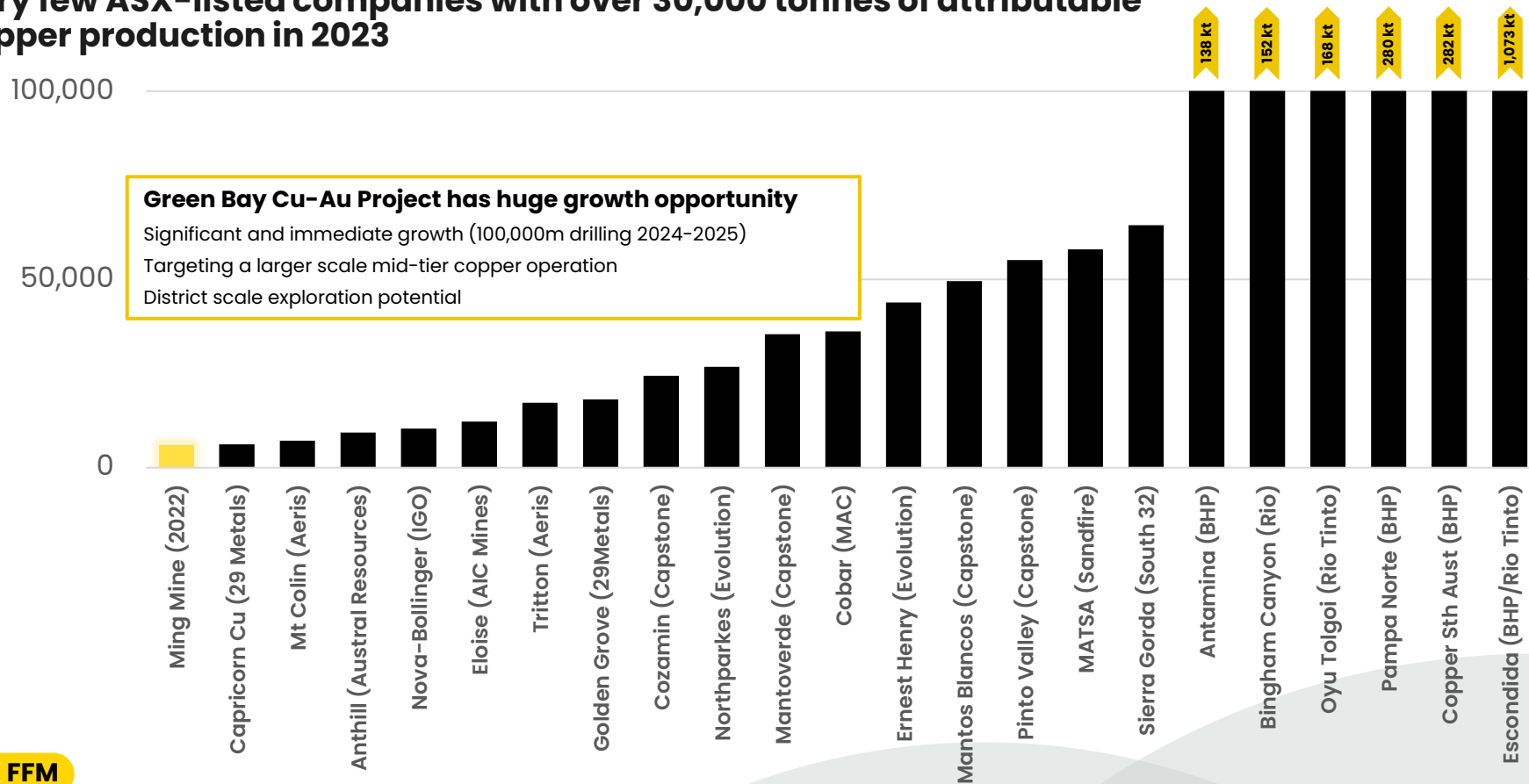
Cygnus Metals and Ramelius Resources, formerly of Mincor Resources. Experienced in base metal offtake partnerships

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

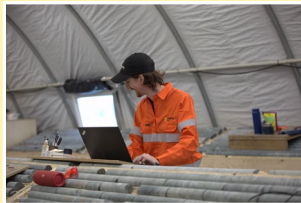


	GREEN BAY 	McILVENNA BAY F O R A N	COBAR 	ERNEST HENRY 
Location	Newfoundland, Canada	Saskatchewan, Canada	NSW, Australia	Queensland, Australia
Stage	Pre-Development	Development	Production	Production
Resource¹ (M,I&Inf)	Tonnes:² 39.2Mt	Tonnes:⁵ 44.1Mt	Tonnes:⁹ 20.2Mt	Tonnes:¹² 101.5Mt
	Copper: Grade 1.83%	Copper: Grade 1.17%	Copper: Grade 4.86%	Copper: Grade 1.25%
	Metal 717kt	Metal 516kt	Metal 977kt	Metal 1,272kt
	Co-products: Au, Ag	Co-products: Zn, Pb, Au, Ag	Co-products: Ag	Co-products: Au
	Proportional Metal:³ 88% Copper 12% Coproducts	Proportional Metal:³ 51% Copper 49% Coproducts	Proportional Metal:³ 97% Copper 3% Coproducts	Proportional Metal:³ 70% Copper 30% Coproducts
Production	Upscaled Restart Studies in Progress	DFS:⁶ Milled Grade Metal 1.51Mtpa 1.23% Cu ave 16,000t Cu avg	2024F:¹⁰ Mined Grade Metal 1.2Mt 3.3% Cu 39,700t Cu	FY23A: Milled ¹³ Grade Metal ¹⁴ 5.8Mt 0.8% Cu 47,348t Cu
Mine Depth	950m decline and shaft (6m x 3m)	Yet to be built	~1,900m decline and shafts	~1,000m shaft only (6m x 6m)
Acquisition	A\$0.065B (Oct 2023) ²	N/A (1998)	A\$1.5B (June 2023) ¹¹	A\$1.9B (Nov 2016 and Nov 2021) ¹⁵
Market Cap	A\$0.39B⁴	A\$1.7B^{7,8}	A\$1.7B⁷	A\$7.4B¹⁶

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

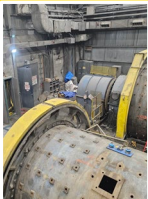
- Dominant landholding of 'Prime' VMS mineralised rock types
- Little exploration over the past 20 years
- Regional surface and airborne geophysics underway (VTEM, Aeromag, Gravity, LIDAR)
- Maiden discovery drilling



'Abundant Low Hanging Fruit'

Immediate Low-Cost Growth

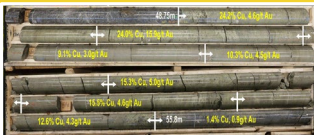
- High-grade massive sulphide copper gold lodes – Resource extension drilling
- Bulk tonnage Footwall copper Zone – Resource extension drilling
- Geophysical downhole electromagnetics to vector new lodes



'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 (1Mtpa 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

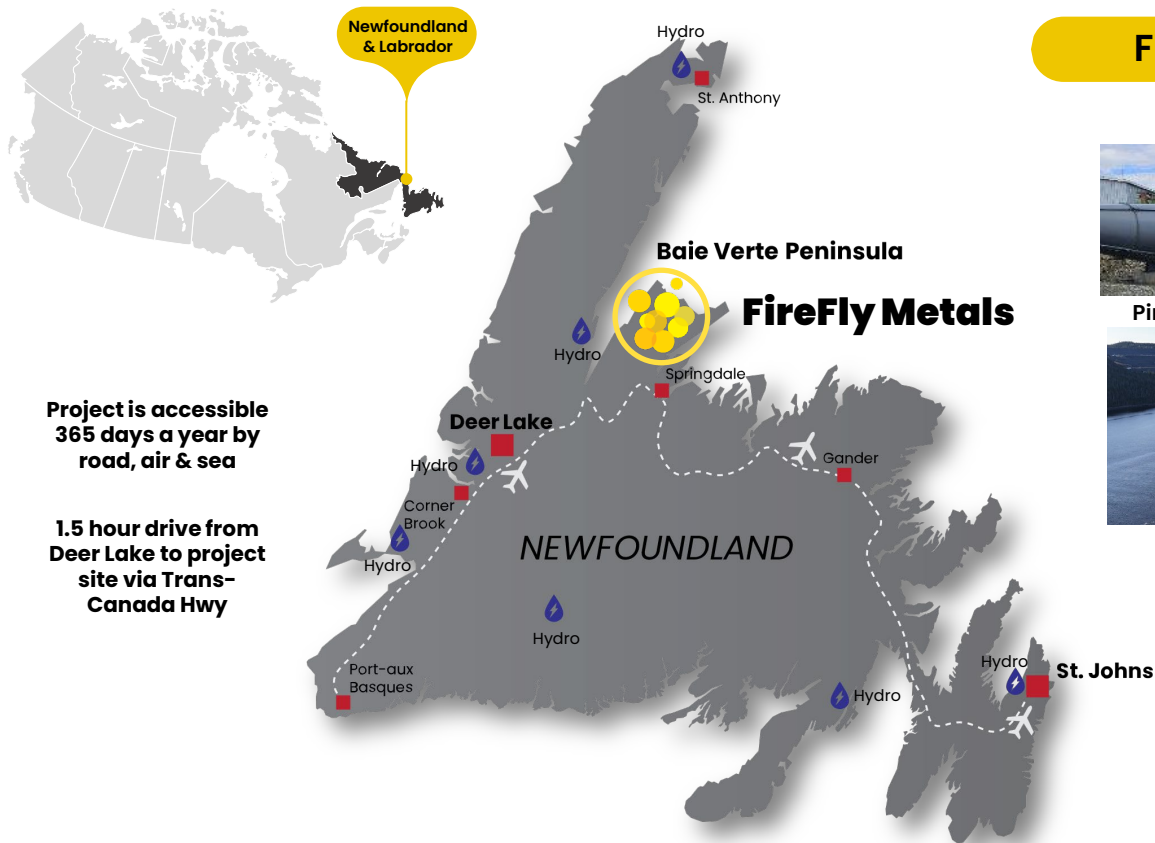
Targeting Resource updates

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**

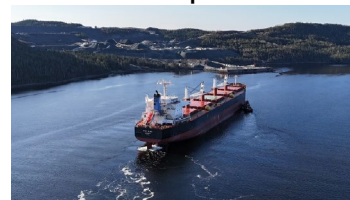
**1.5 hour drive from
Deer Lake to project
site via Trans-
Canada Hwy**

FireFly Metals Green Bay Operations

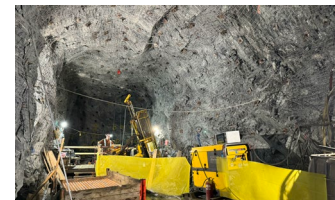
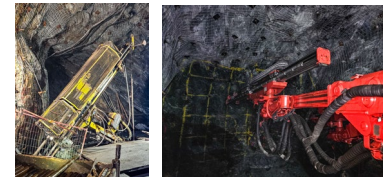
Ming Copper Mine



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 GDP¹
- 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

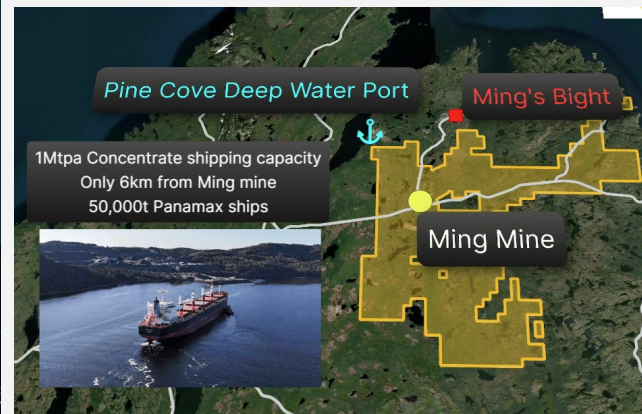
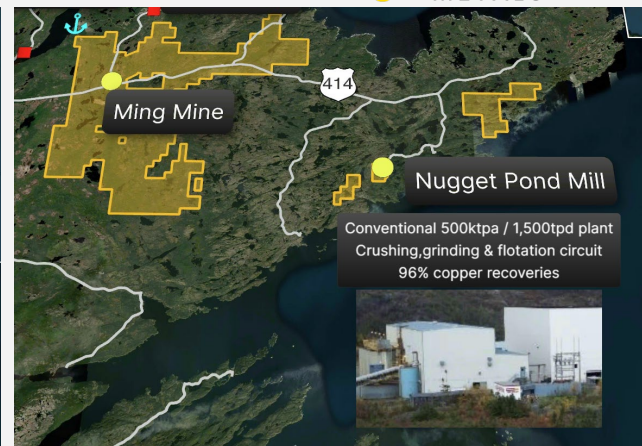
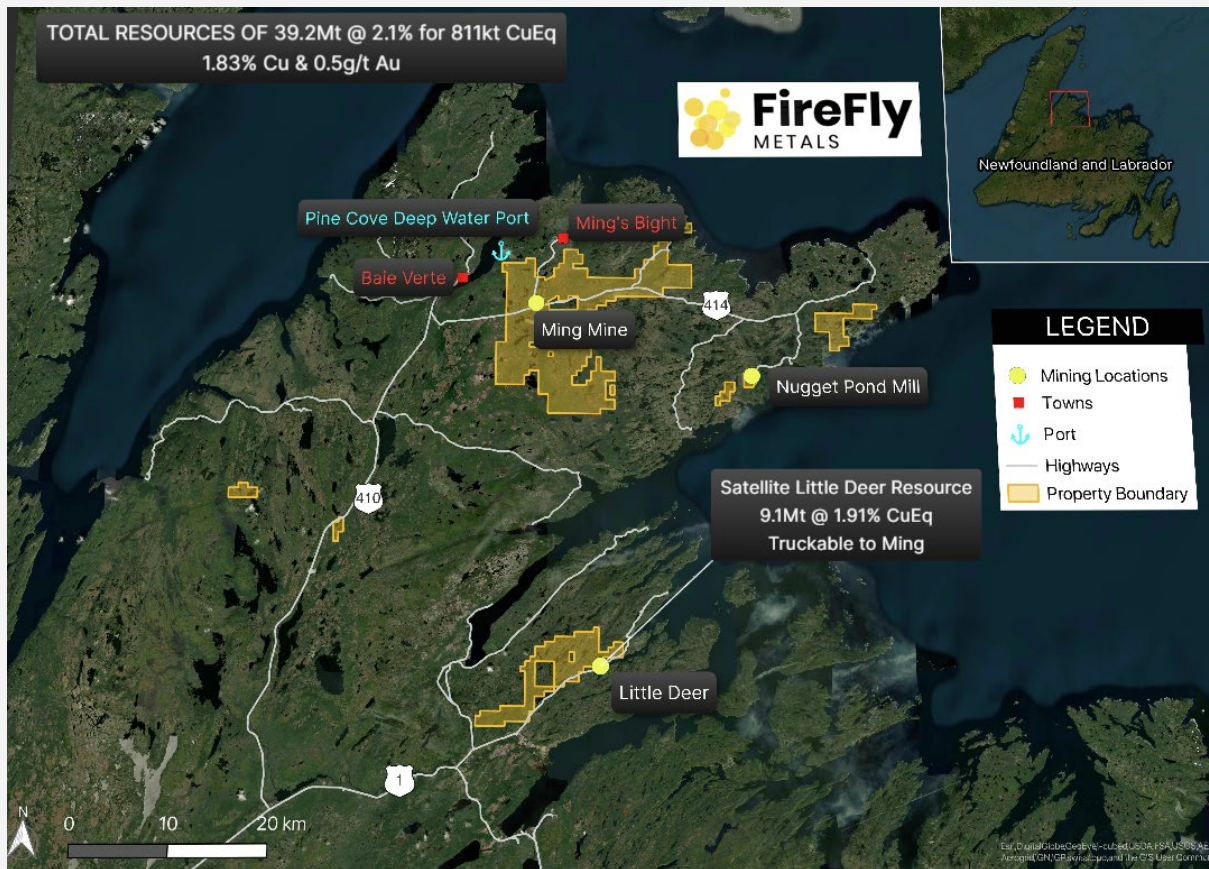
The next 12 pages are summary screen shots of the video presentation



View full video click link below:

www.fireflymetals.com.au

Green Bay Overview – Location



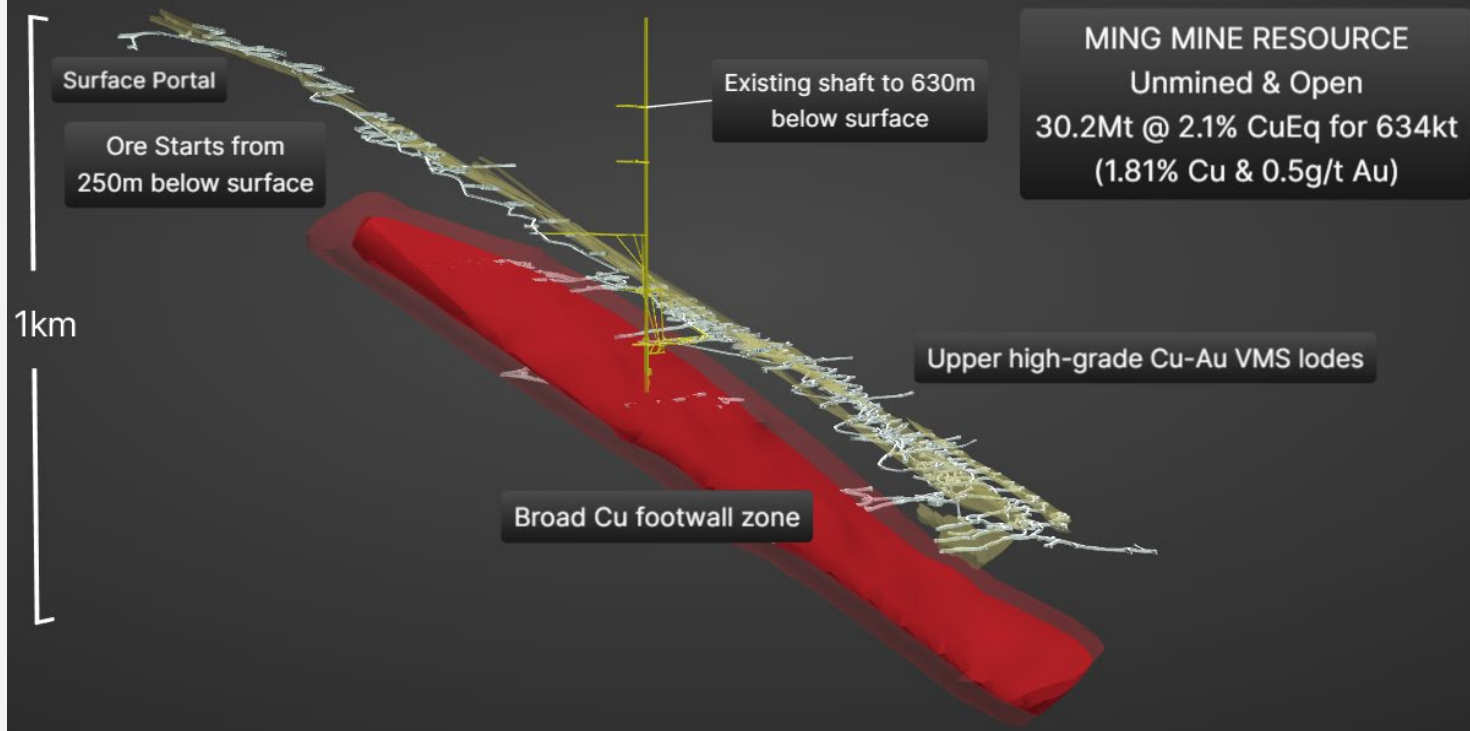
On Location – Green Bay all set up ready to go

Exceptional High Quality Infrastructure to Fast-Track Development



Underground at Green Bay

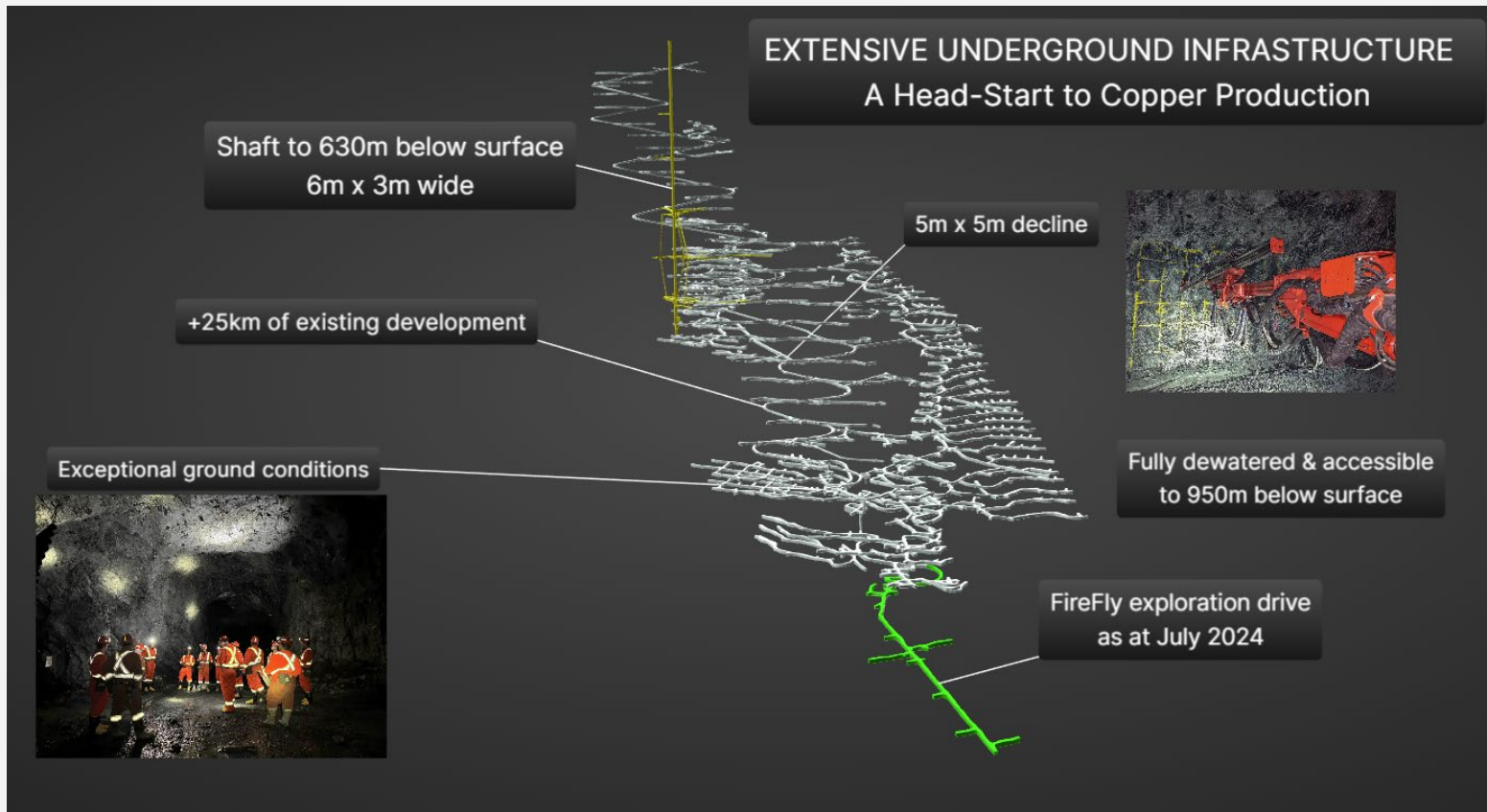
AN EMERGING LARGE SCALE & HIGH-GRADE COPPER-GOLD MINE



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)

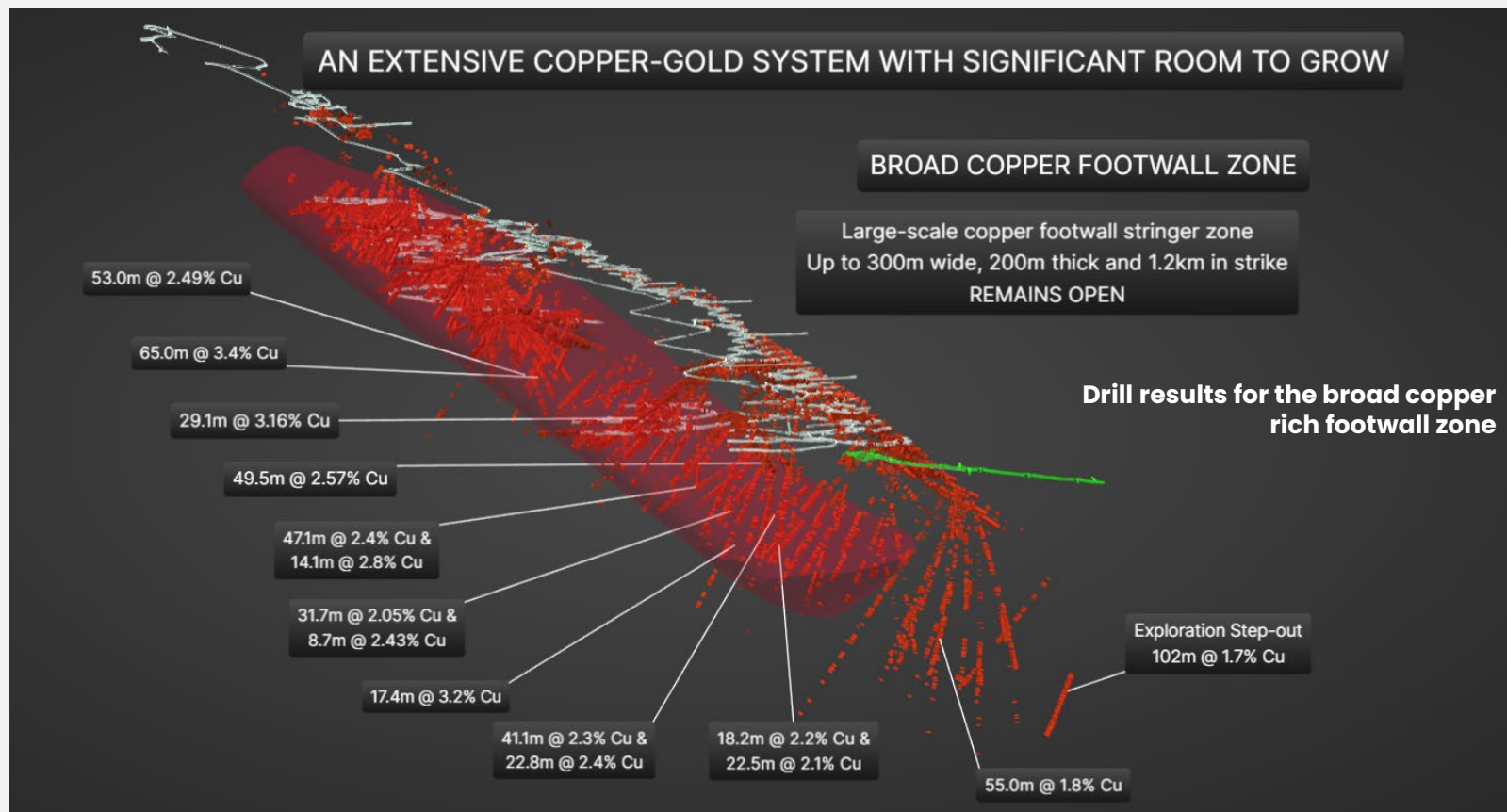
5.0m @ 15.3% CuEq (10.1% Cu & 6.7g/t Au)

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)

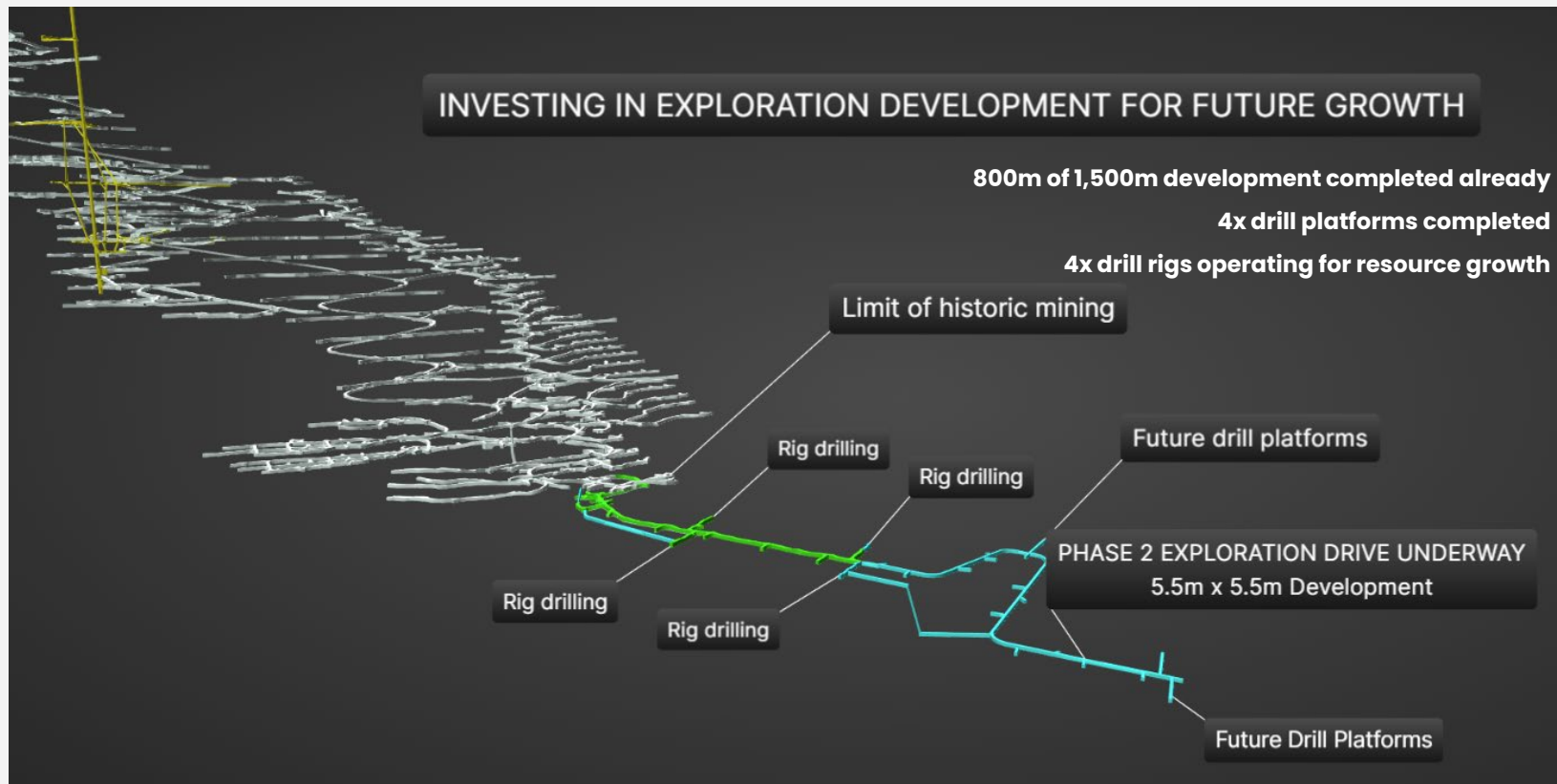
Large Scale Broad Copper Rich Footwall Zone



FireFly Investing in Exploration Development



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

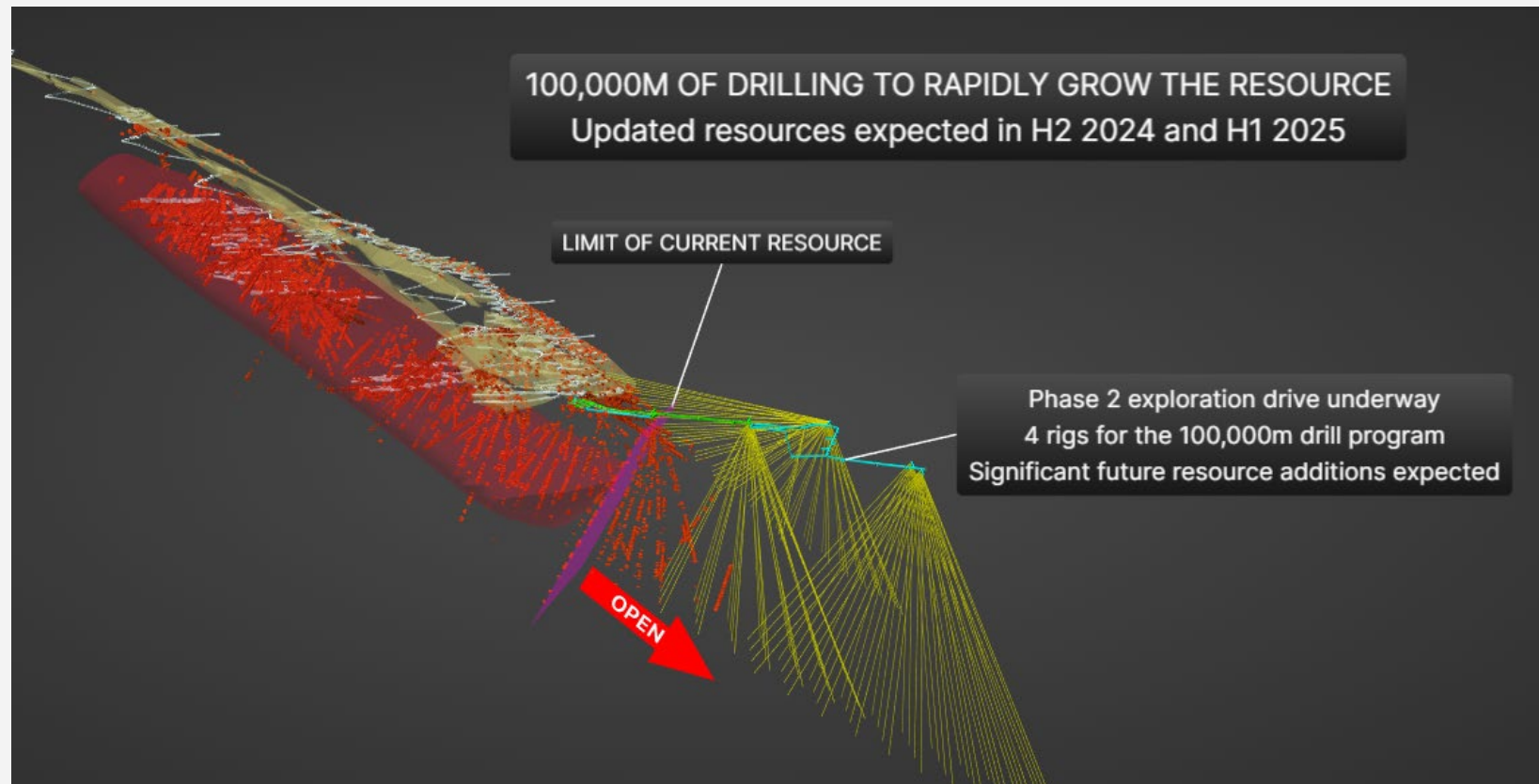


ASX FFM

View full video on www.fireflymetals.com.au

Growing the Resource with 100,000m of drilling

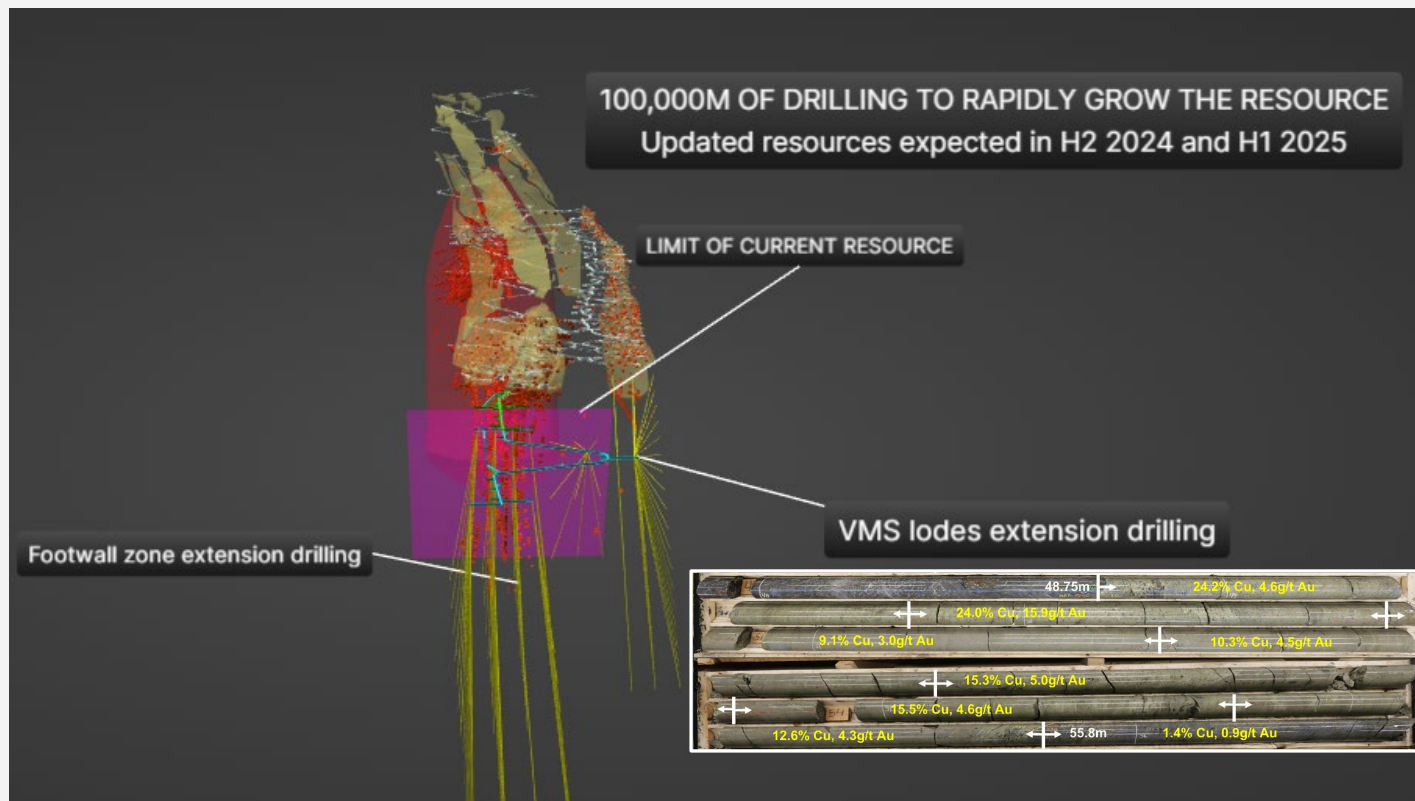
Rapid low-cost Resource growth throughout 2024 and 2025



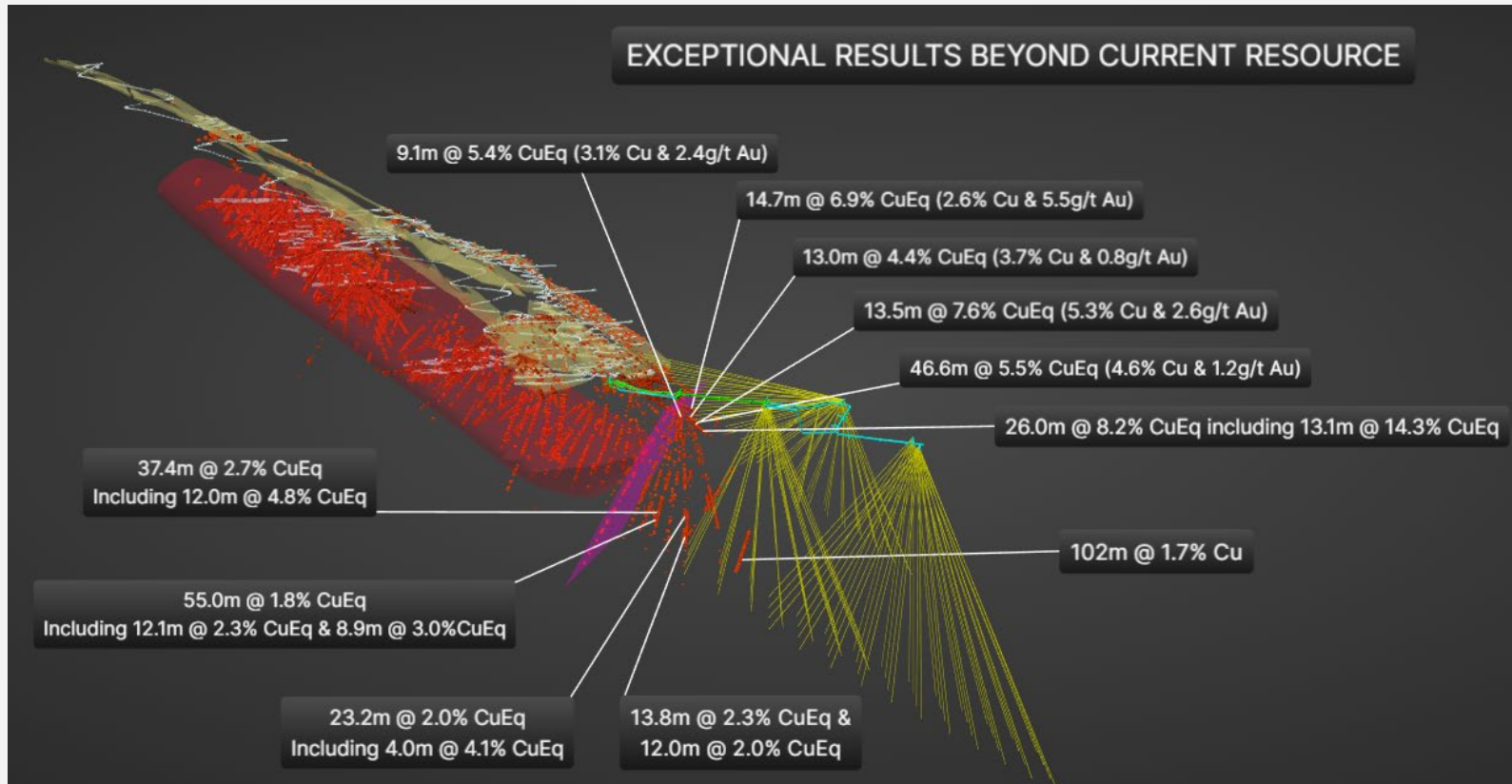
ASX FFM

View full video on www.fireflymetals.com.au

Drilling Multiple Copper and Gold Lodes For Resource Growth

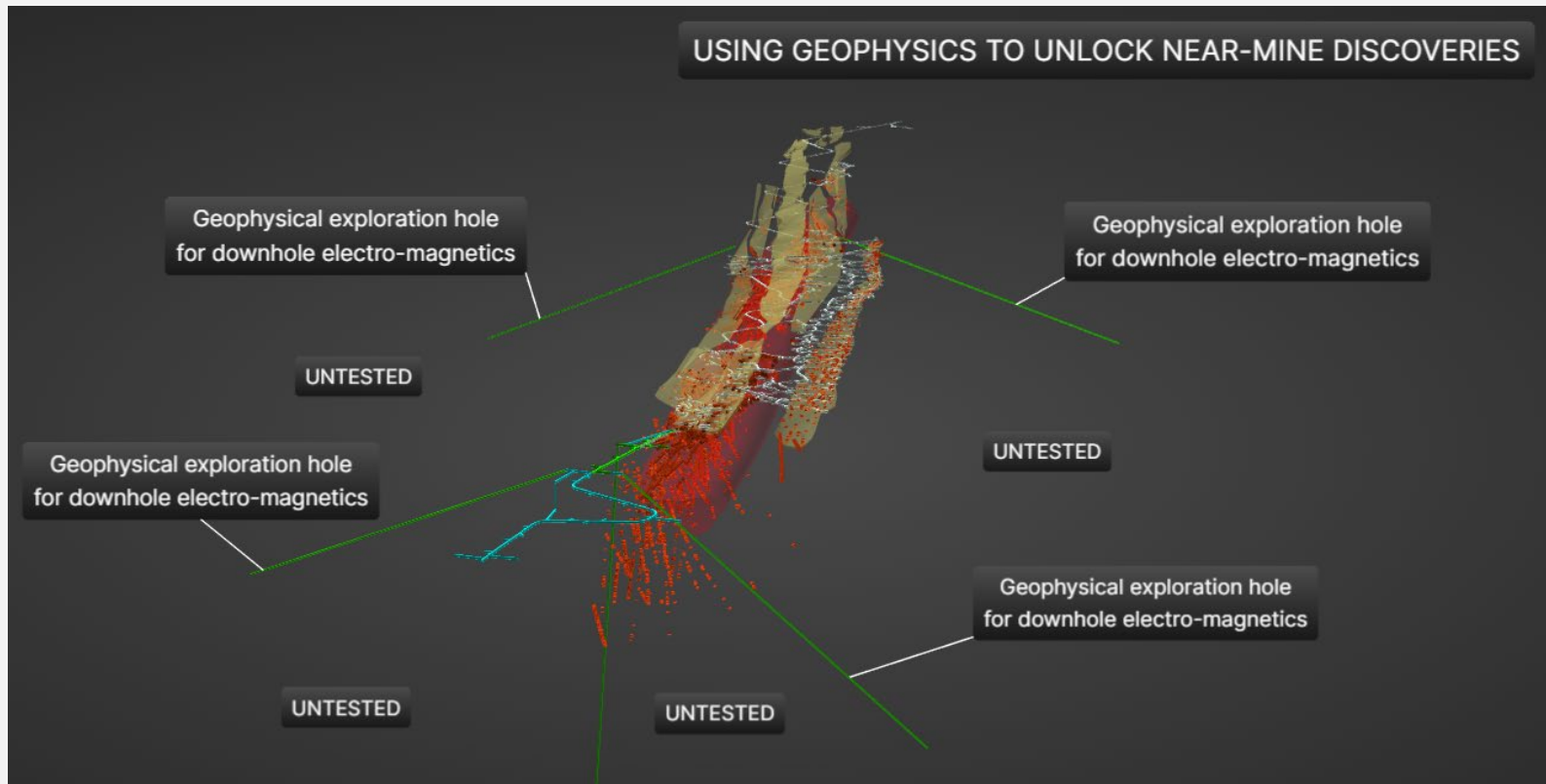


Exceptional Drill Results Outside of Current Resource



Using Geophysics to Unlock New Discoveries

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

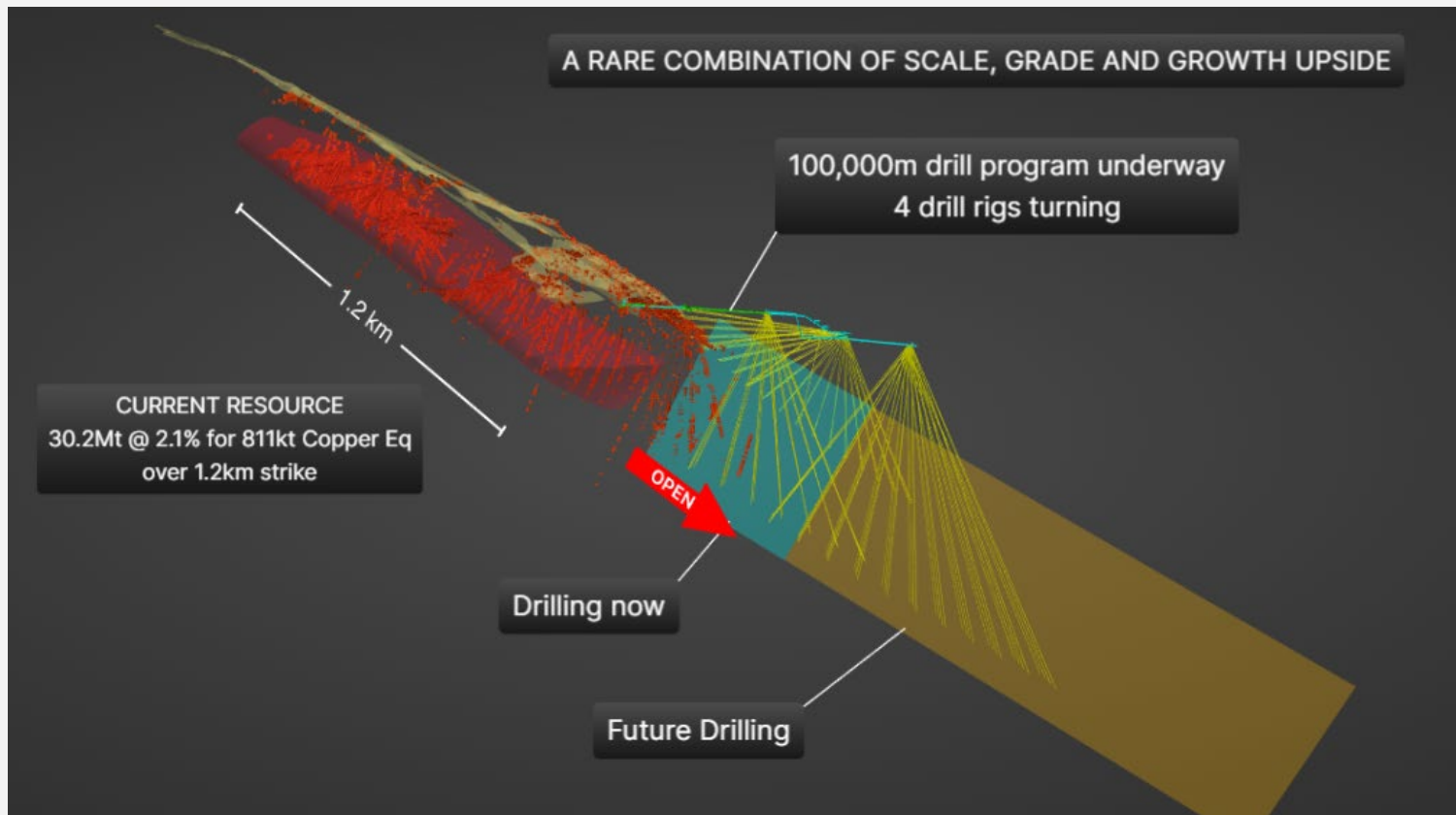


ASX FFM

View full video on www.fireflymetals.com.au

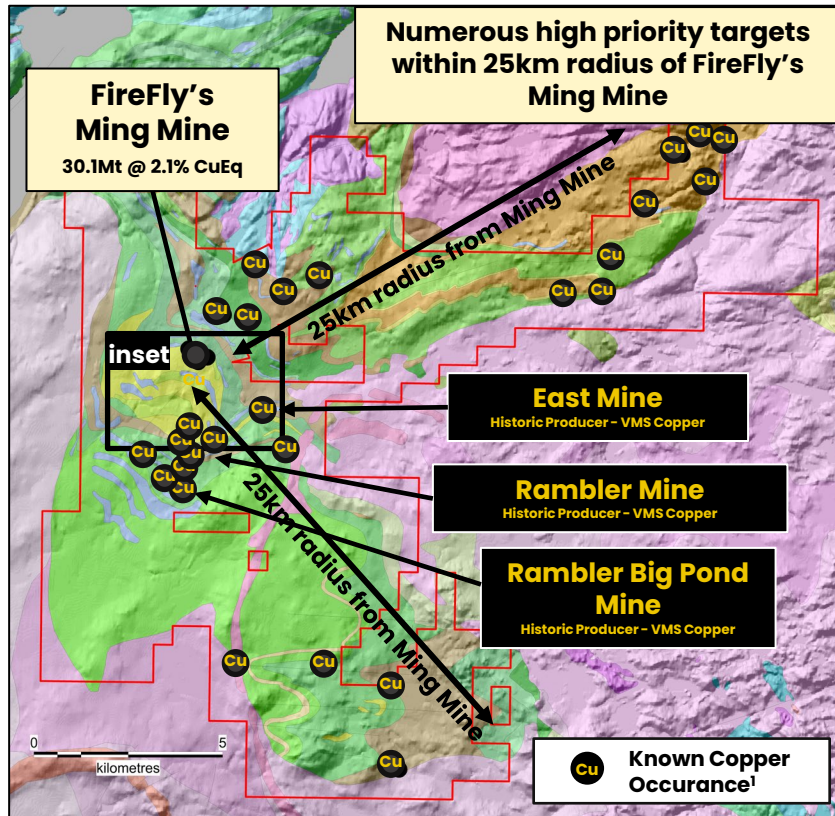
A Rare Combination of Scale, Grade and Growth

Green Bay Copper Gold Project – A Company Making Project



Exceptional Regional Discovery Potential

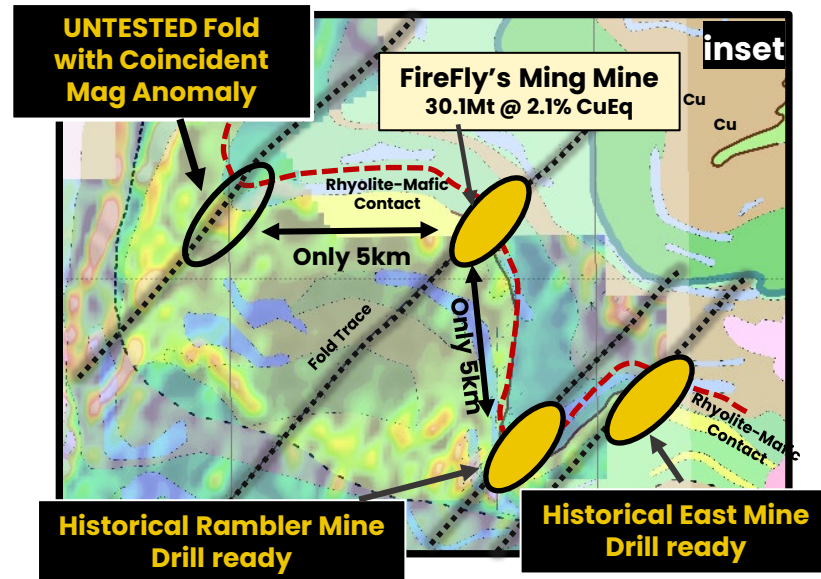
Major landholder in a world-class copper gold VMS district



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 ¹	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 <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 Million² 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 Equivalent¹**
- **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



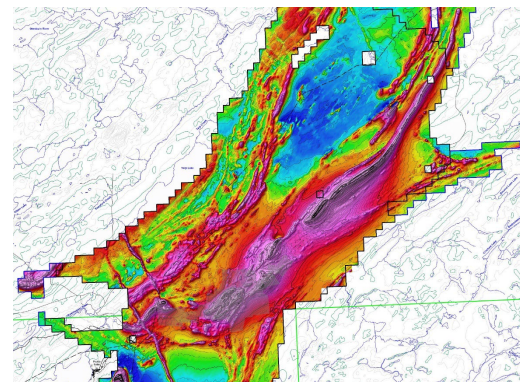
LOCATION

- 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



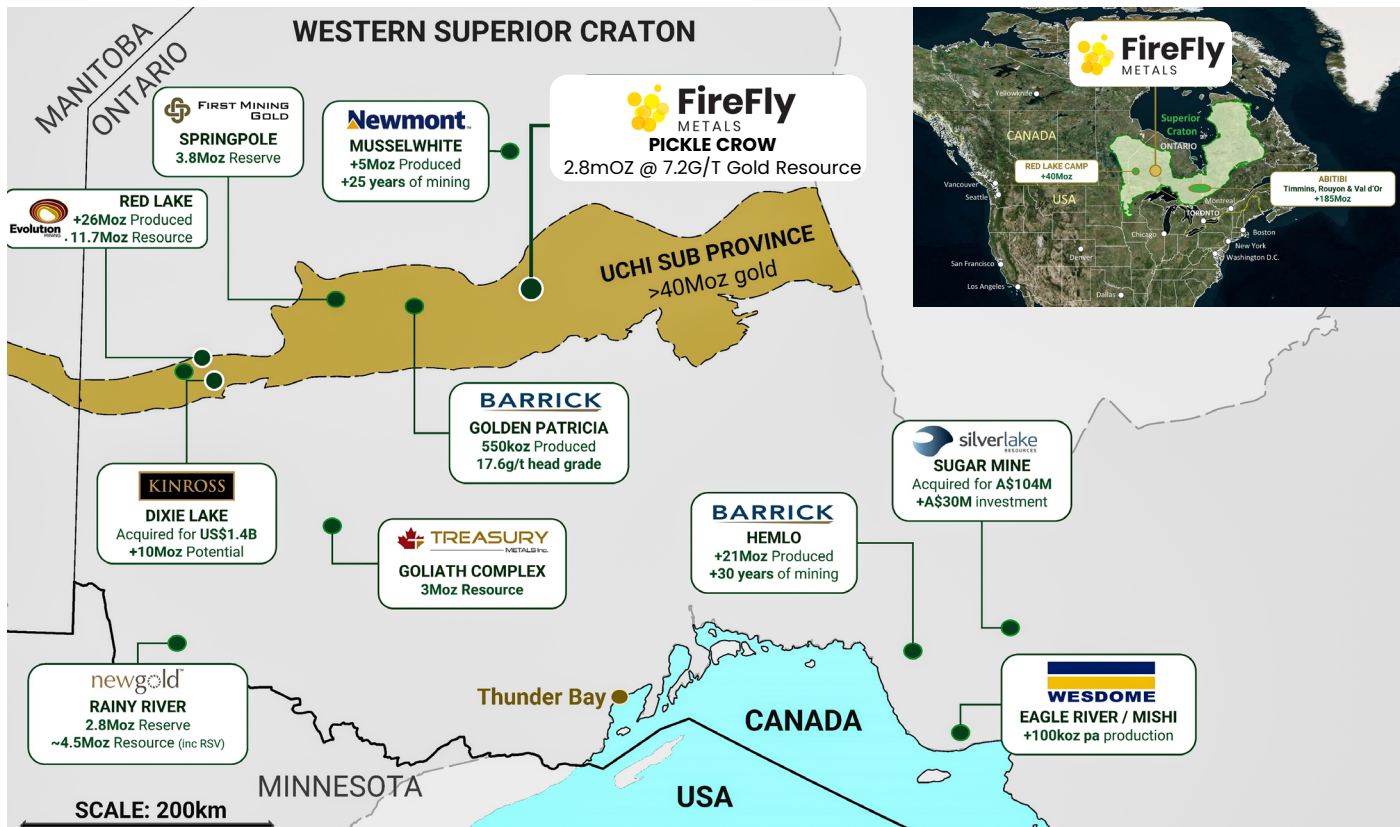
UPSIDE

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

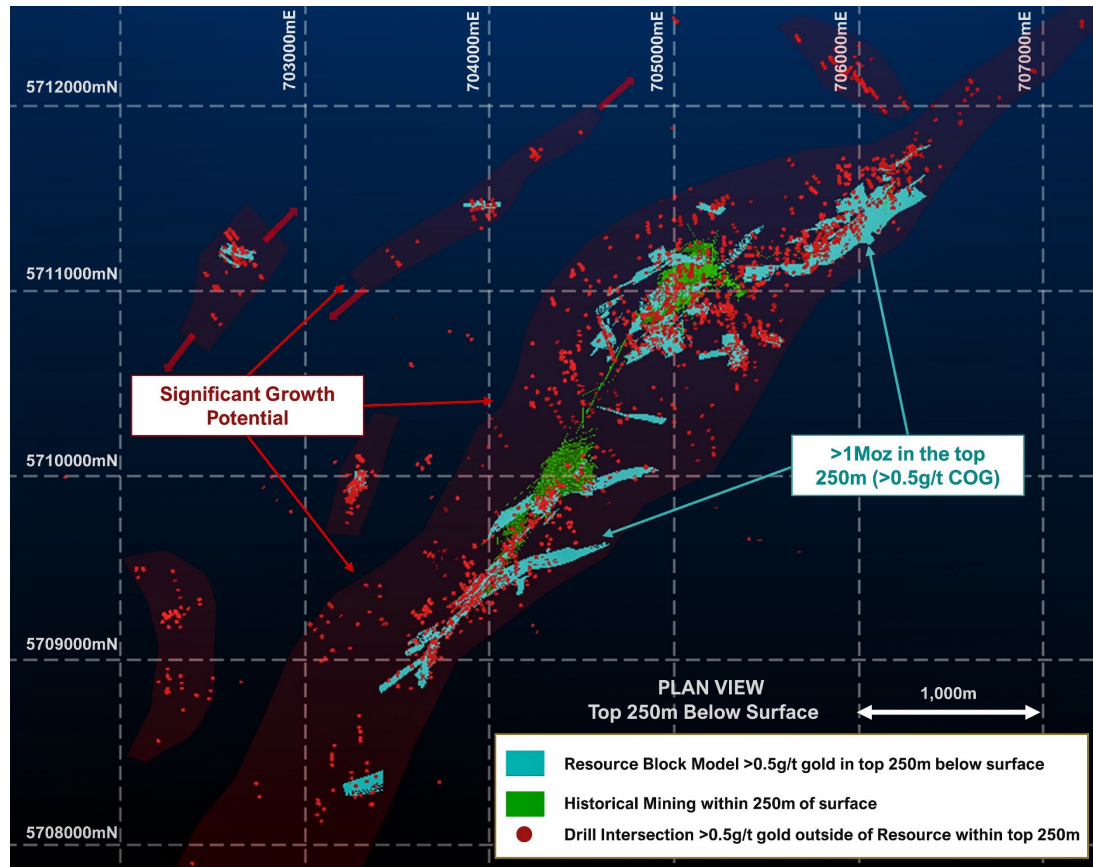
Appendix 1 – An Exceptional Asset in a World-Class Location



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



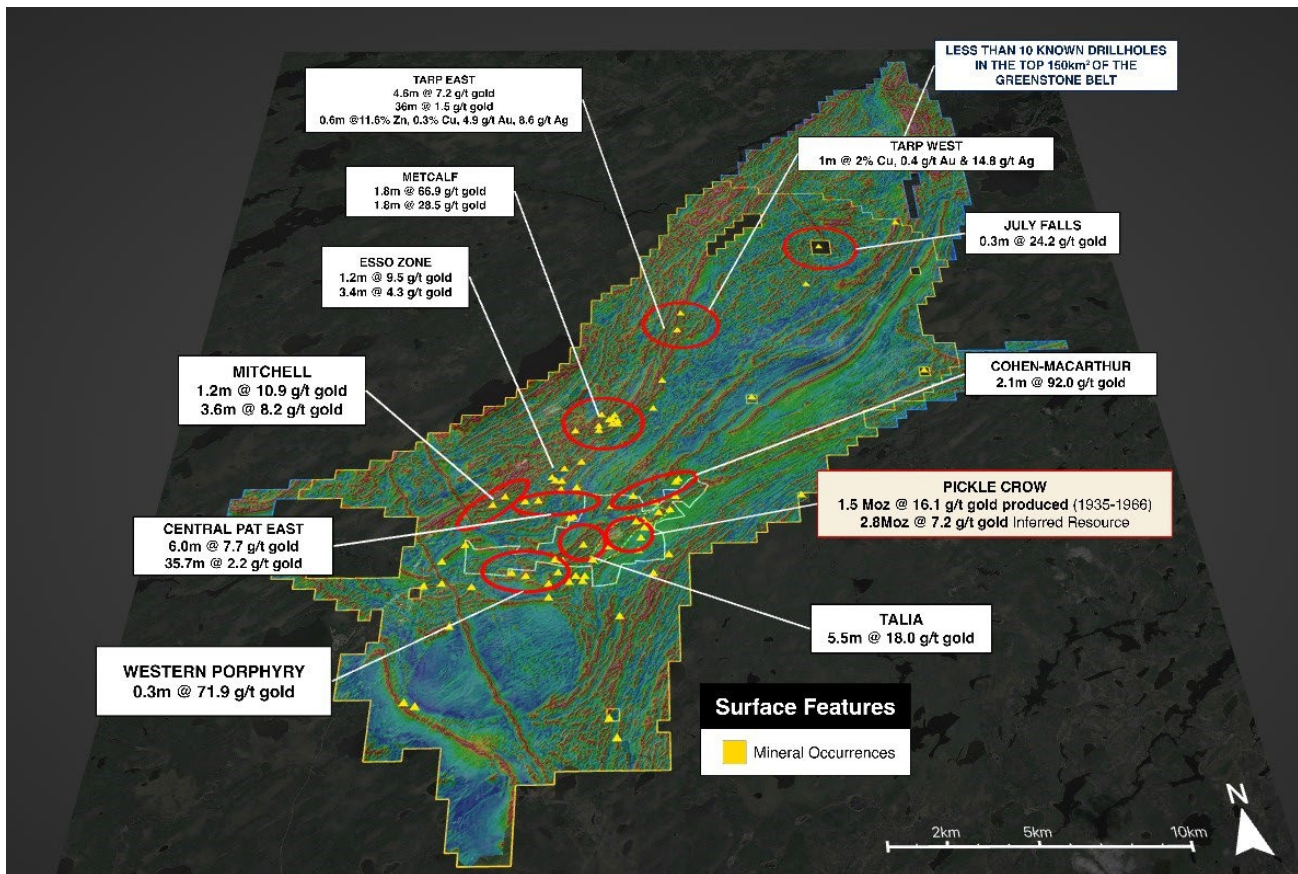
Appendix 1 – Significant Shallow Open Pit Potential



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 Project¹

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 Project²

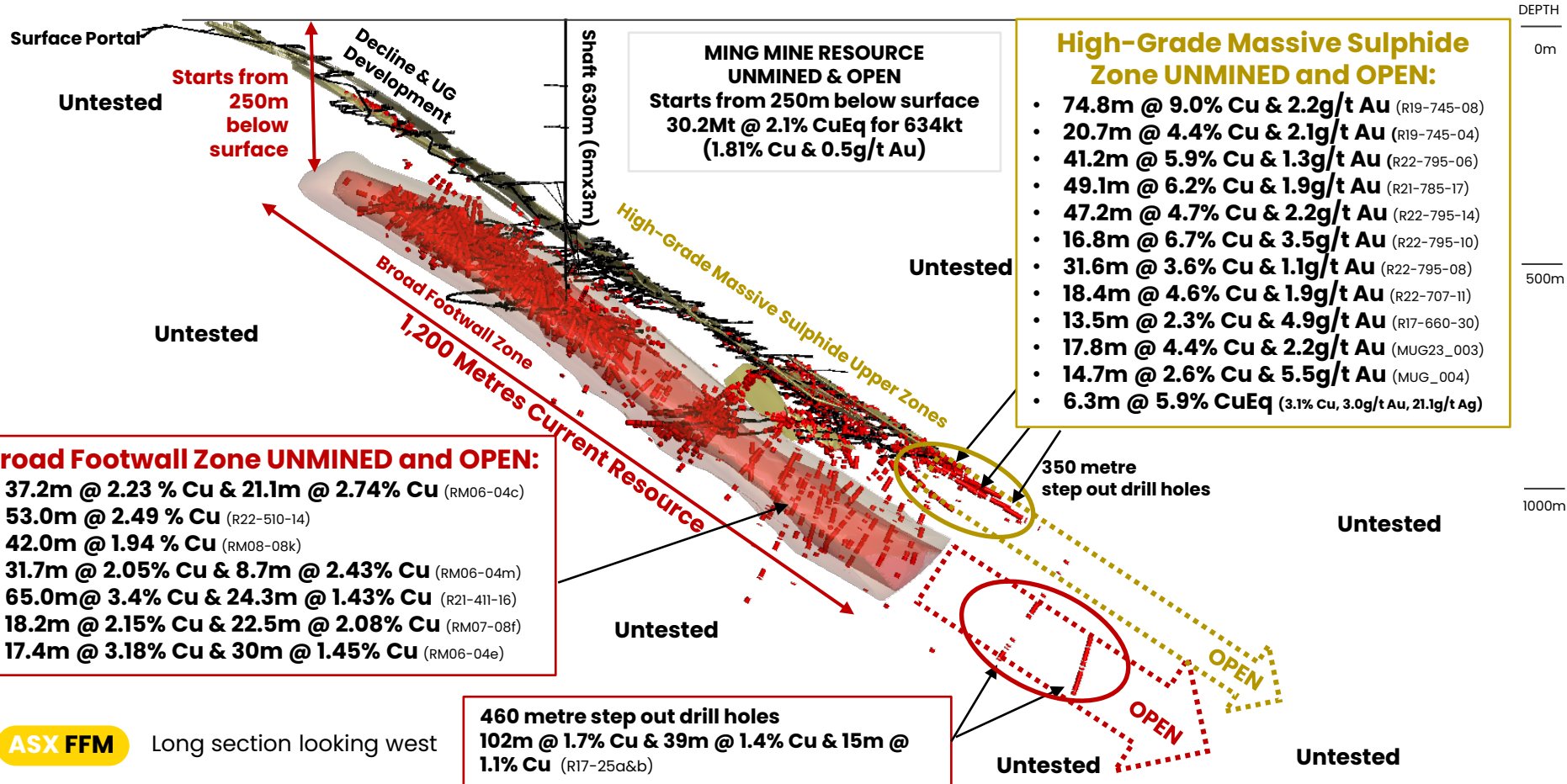
PICKLE CROW	Measured			Indicated			Inferred			TOTAL RESOURCE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Gold	-	-	-	-	-	-	11.9Mt	7.2g/t	2.8Moz	11.9Mt	7.2g/t	2.8Moz

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.

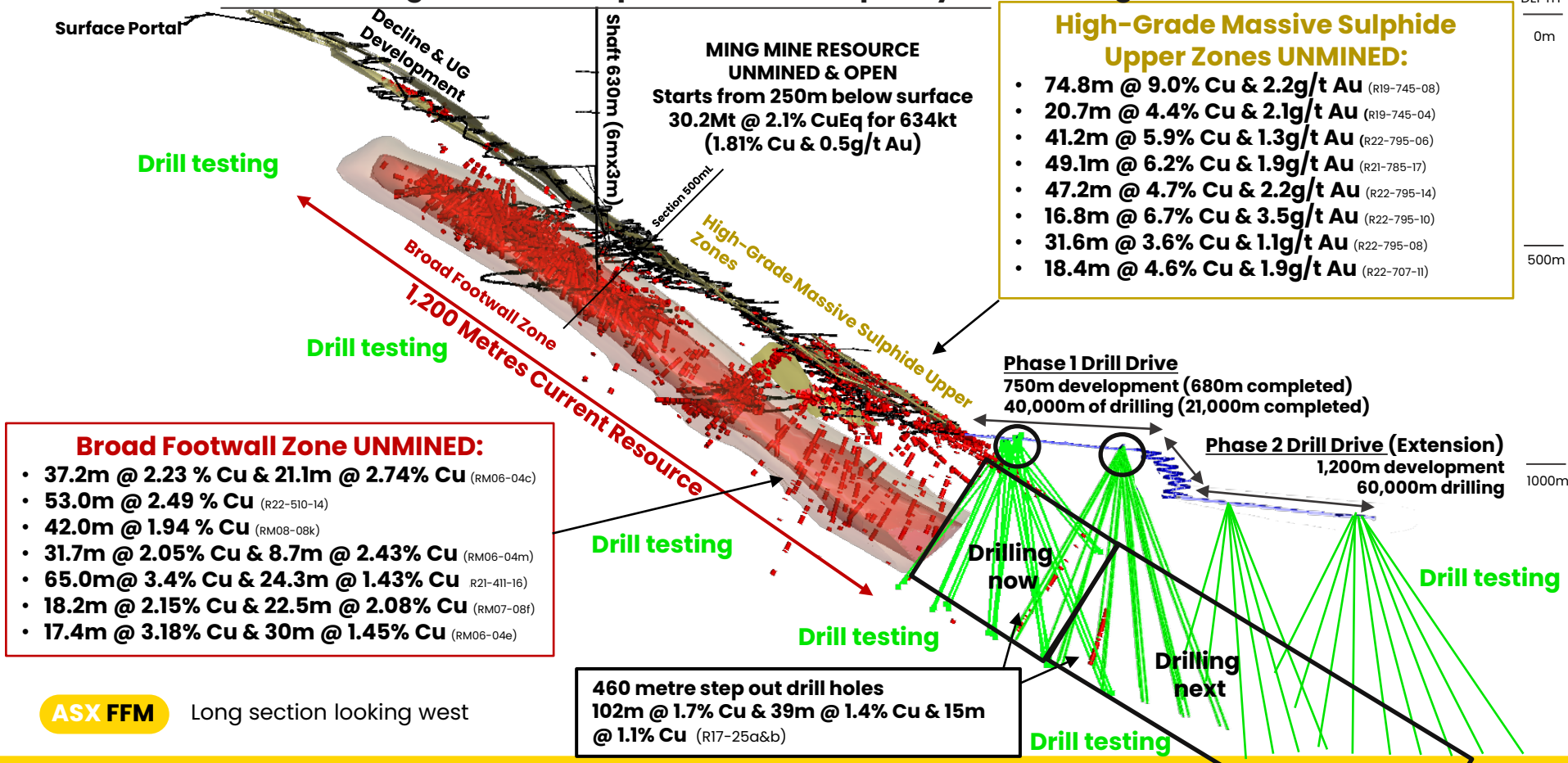
2. For further details refer to FireFly ASX announcement dated May 4, 2023 titled 'High-Grade Inferred Gold Resource Grows to 2.8Moz at 7.2g/t'

Appendix 3 – Green Bay Project further information

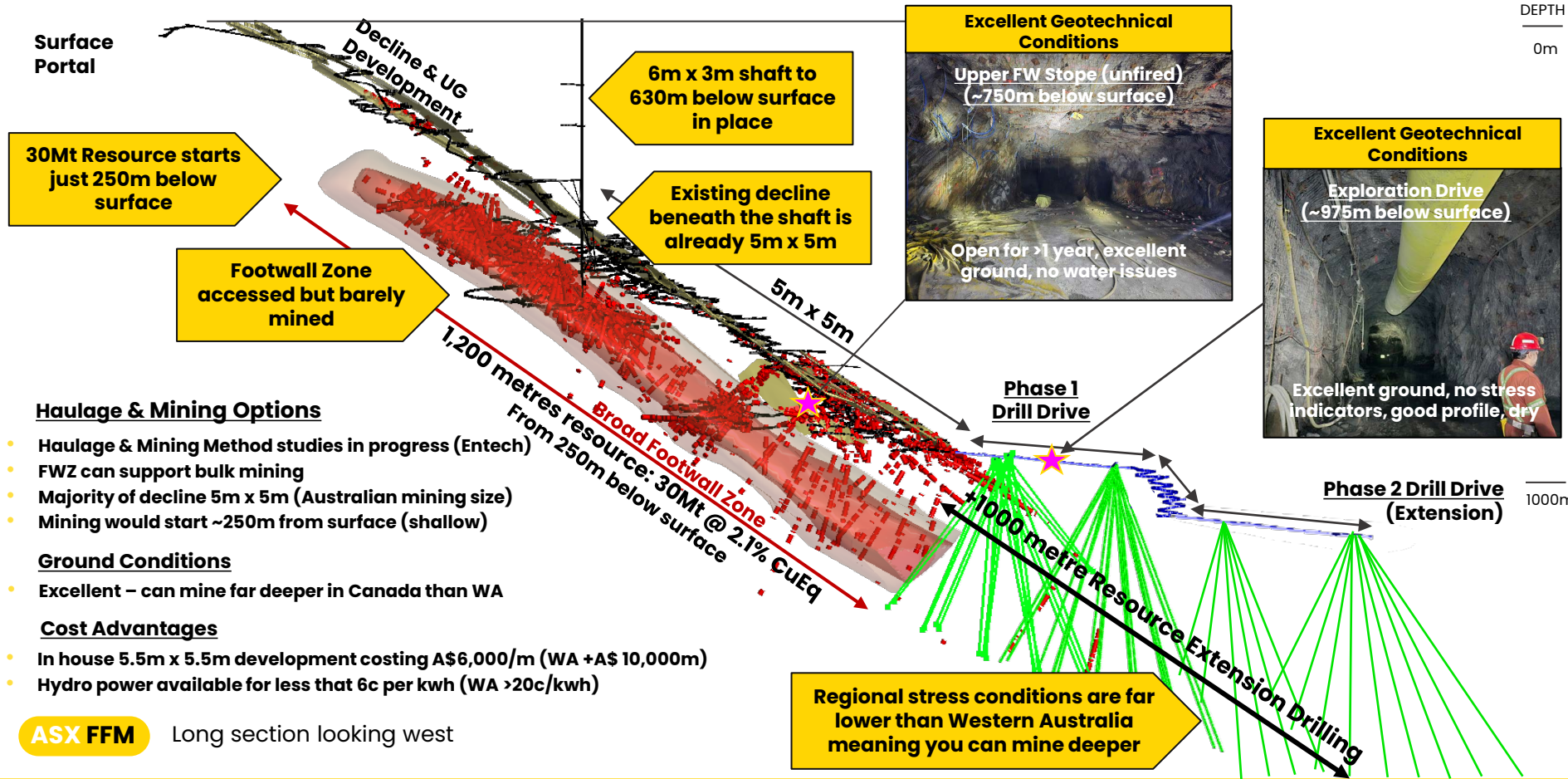
A Major VMS Copper–Gold Mineralised System



DEPTH



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

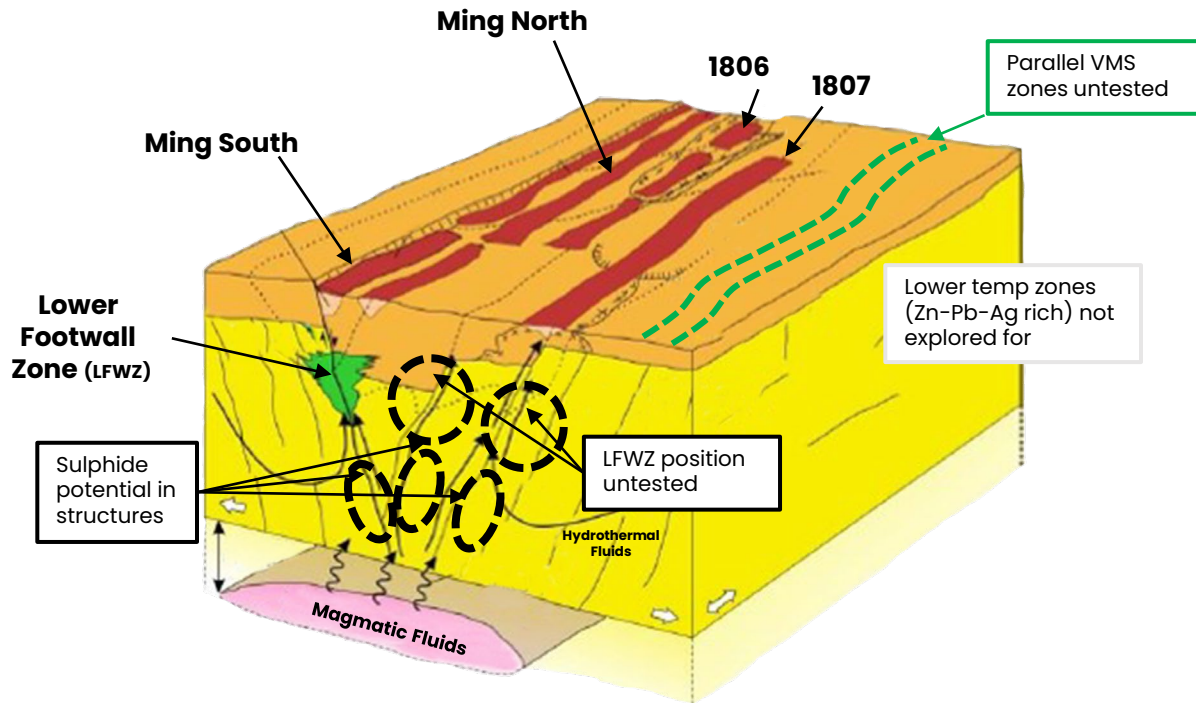
- Excellent – can mine far deeper in Canada than WA

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 UPSIDE¹



 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

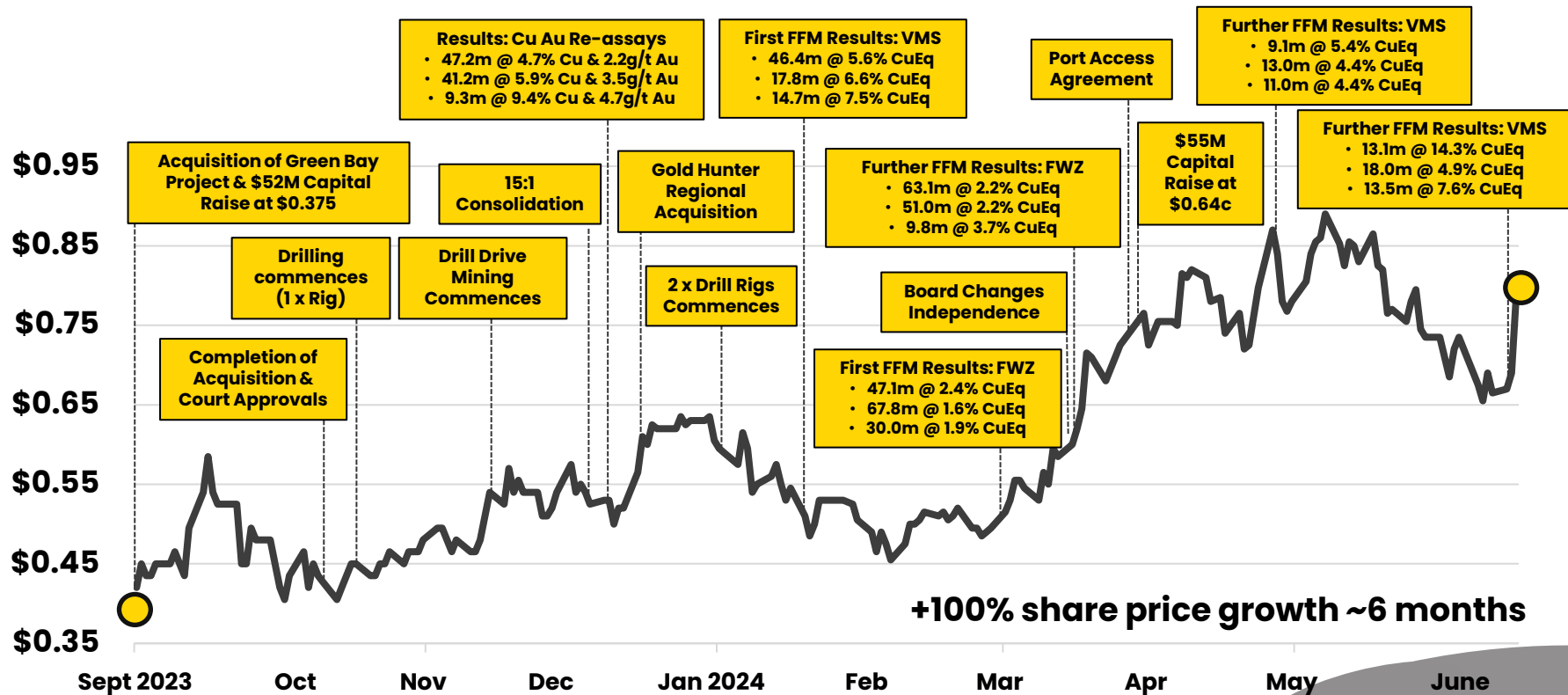
KEY TARGETS

- 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

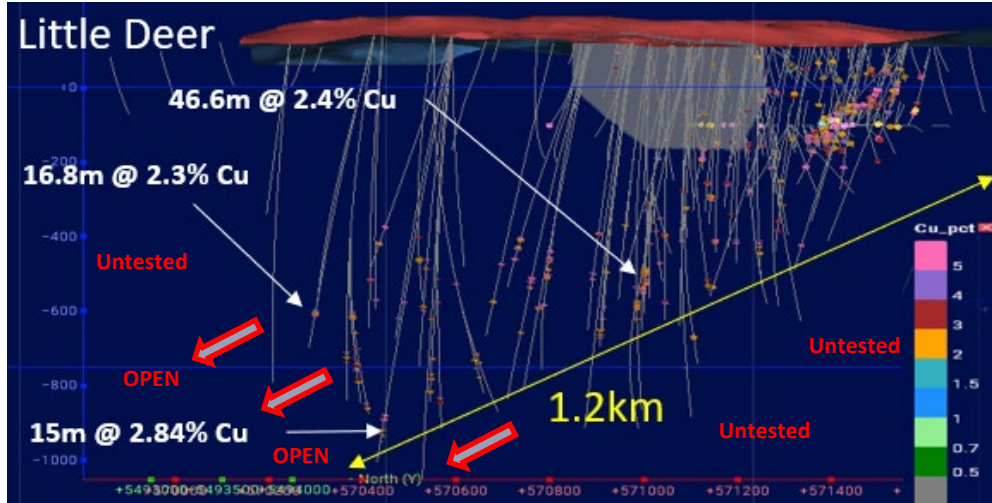


ASX FFM

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

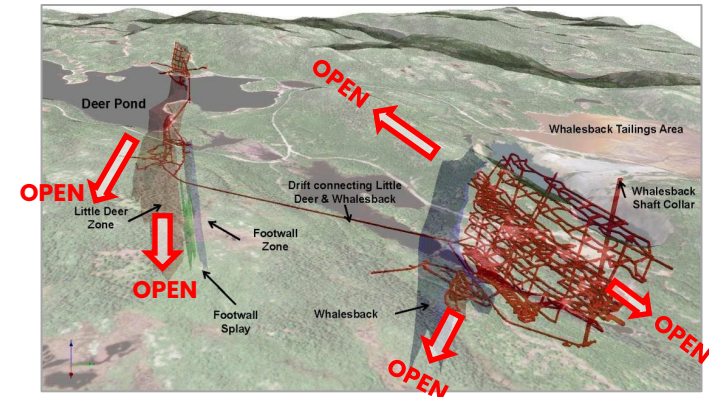


CURRENT RESOURCE

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 (~90km²)
- Little exploration work undertaken
- No modern geophysics
- Mineralisation open

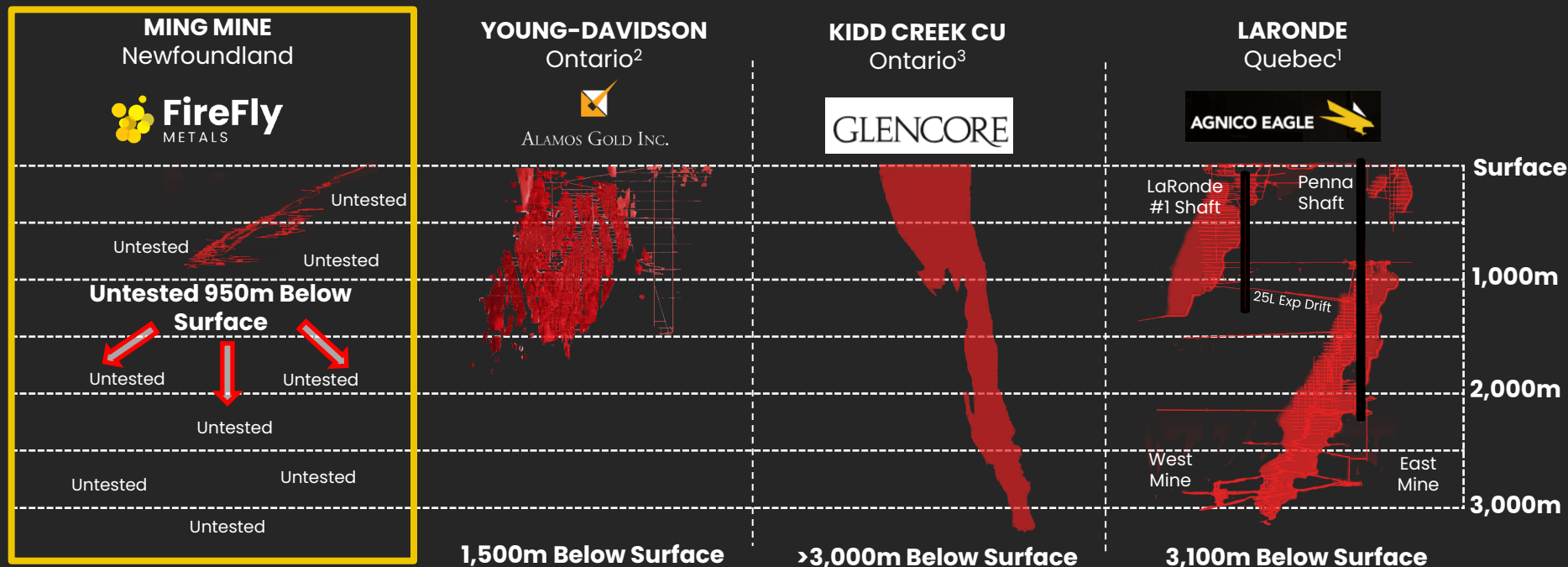


Excellent Ground Conditions¹

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)



¹ This slide demonstrates mining depths of select assets in Eastern Canada, and is in no way a comparison of reserves, resources, market capitalisation nor commodity. For further information please refer to Appendix 7

Underground Mine is Ready and Fully Operational

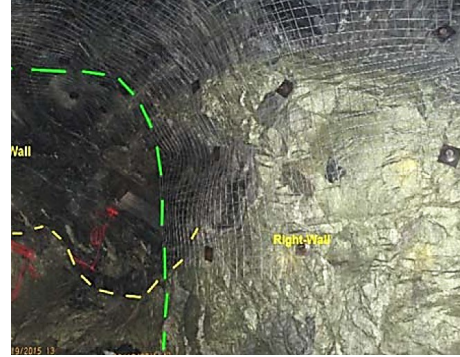


- Underground drilling ~30,000m completed
- Two drill rigs operating (simple resource growth)
- Third & fourth drill rigs mobilising (targeting new discoveries and geophysics)
- Underground drill drive already 680m completed
- Exceptional geotechnical ground conditions
- Decline accessible to 950m &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



ASX FFM

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



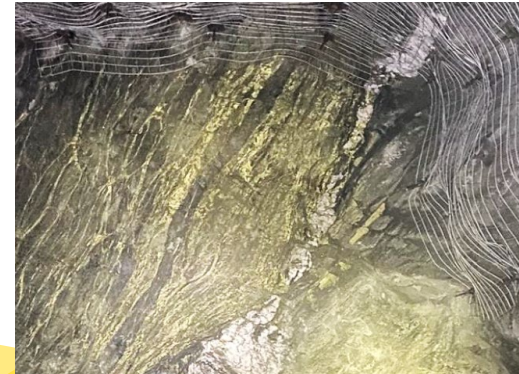
Development Drive



**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



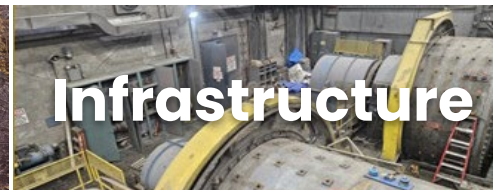
Operationally ready UG mine

- 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 811kt at 2.07% copper equivalent¹
- Orebody starts from only 250m below surface and extends to 1000m (OPEN)
- High-confidence with 68% in M&I category¹
- Simple metallurgy ~96%
- 370koz Au & 3.4Moz Ag



+A\$250M of Infrastructure

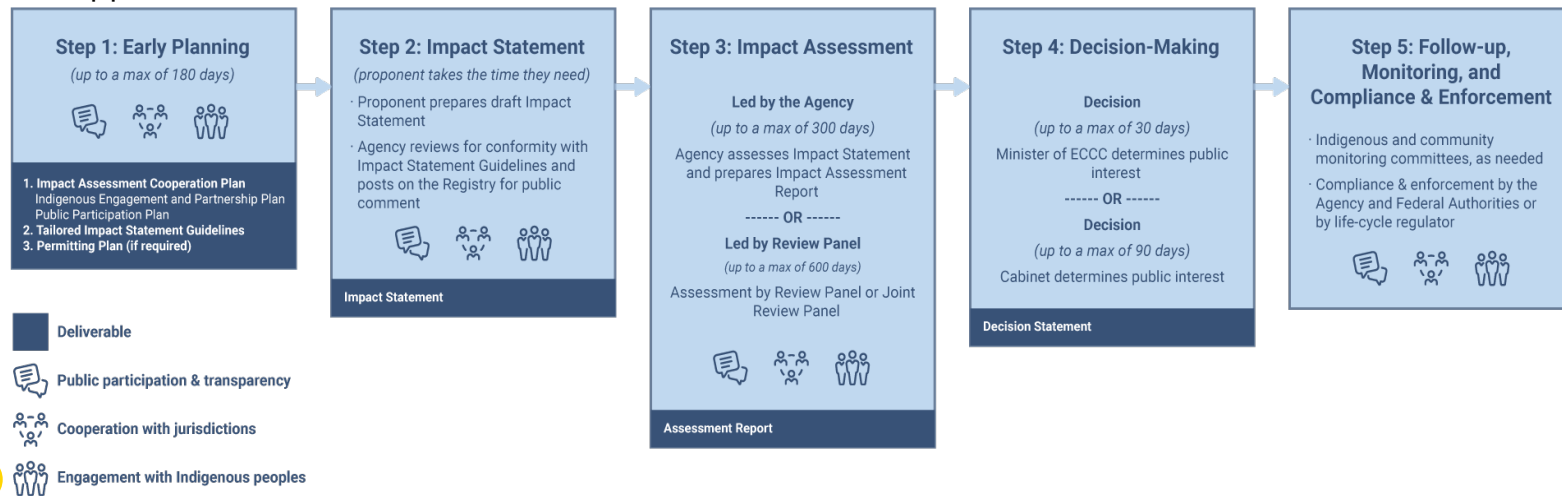
- Fully permitted operation
- >20km of underground development
- Processing Plant – Crushing & Flotation 1,500tpd / 500ktpa
- Deepwater Port ~1Mtpa concentrate shipping capacity
- Shaft to 630m depth (6mx3m)
- Hydro Power (low cost & green energy)
- Surface workshops, offices & 50-person camp

Permitting in Newfoundland & Labrador

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

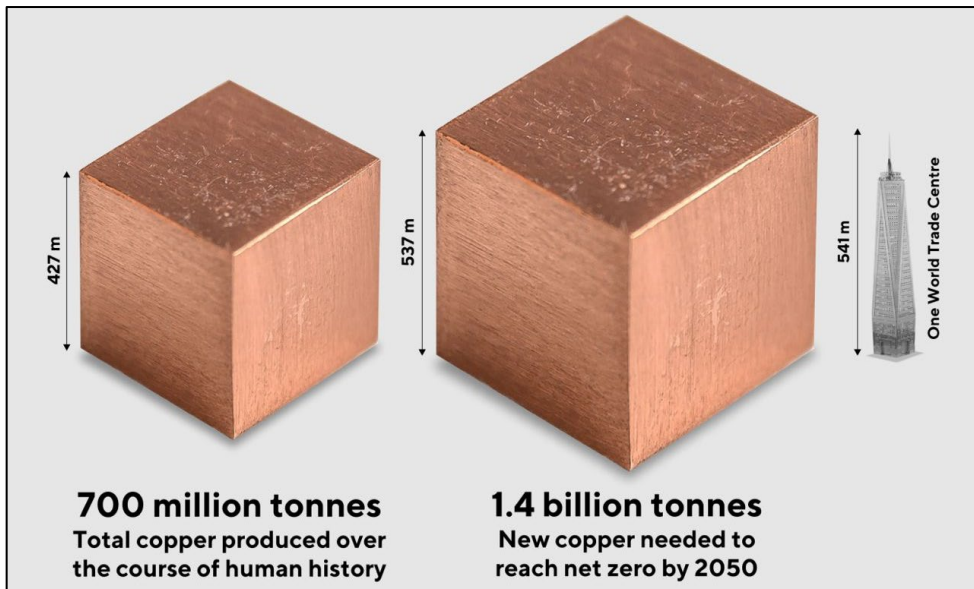
The Federal Environmental Assessment (EA) Process Impact Assessment Act 2019

- 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

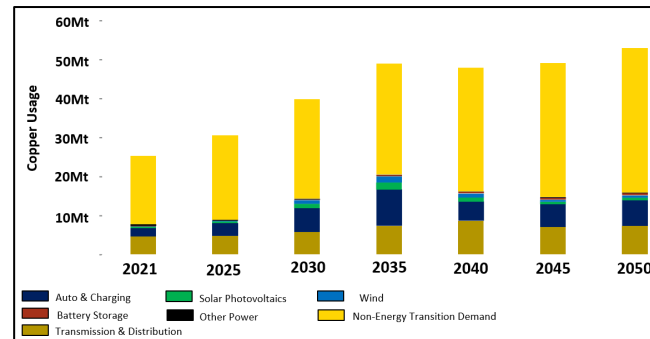


Copper – The Macro Landscape

Nearly twice the amount of copper mined in human history is required in the next 27 years to achieve net zero by 2050¹



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

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. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02657109-6A1146280 2. June 2023 Quarterly Report. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02689129-6A1159433 3. September 2023 Quarterly Report. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02728334-6A1175483 4. December 2023 Quarterly Report. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02764222-6A1190270
Tritton	Aeris Resources	17,205	1. Bell Potter Unearthed Conference Presentation. https://clients3.weblink.com.au/pdf/AIS/02771913.pdf

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	Source: 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	Source: Foran Corporate Presentation July 2024. Available here: https://foranmining.com/wp-content/uploads/2022/09/Foran-Corporate-Presentation.pdf
6	Source: McIlvenna Bay Feasibility Study, April 2022. Available here: https://foranmining.com/wp-content/uploads/2022/04/McIlvenna-Bay-Feasibility-Study.pdf
7	Source: 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' 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
9	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 estimate. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02798100-6A1203769&v=4015c7b87631faf94ecd96975272ff9ad5cb14c3
10	Source: Metals Acquisition Corp.'s 2023 Annual Report. Available here: https://s202q4cdn.com/908723817/files/doc_financials/2023/ar/24-03-28_mac-asx_metals-acquisition-ltd-annual-report_ver-0_for-issue.pdf
11	Source: Metals Acquisition Corp.'s News release dated 16 June 2023. Available here: https://www.metalsacquisition.com/investor-relations/news/news-details/2023/Metals-Acquisition-Limited-Closes-Purchase-of-the-CSA-Copper-Mine/default.aspx . Purchase price assumes a 0.65 AUD:USD exchange rate. Total number does not include the USD\$150M in future potential contingency payments.
12	Source: ASX Announcement 17 August 2023 Titled 'Further Increase to Ernest Henry Resource'. https://evolutionmining.com.au/wp-content/uploads/2023/08/2591942_Further-Increase-in-Ernest-Henry-Mineral-Resource.pdf
13	Source: Ernest Henry FY23 Fact Sheet. Available here: https://evolutionmining.com.au/storage/2023/10/Ernest-Henry-fact-sheet-FY23F.pdf
14	Source: Evolution's FY23 Annual Report. Available here: https://evolutionmining.com.au/storage/2023/10/2625444-2023-Annual-Report.pdf
15	Source: Evolution's ASX releases dated 24 August 2016 (available here: https://evolutionmining.com.au/wp-content/uploads/2016/08/1585478_Acquisition-of-Economic-Interest-in-EH.pdf) and 17 November 2021 (available here: https://evolutionmining.com.au/wp-content/uploads/2021/11/2302087_EVN-secures-full-ownership-of-Ernest-Henry-1.pdf)
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 Project¹

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^{2,3}

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 28th 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 Project¹

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 Project¹

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

¹ 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/2924-02798100-6A1203769&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 Project¹

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 Project²

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=4015c7b87631faf94ecd96975272ff9ad5cbl4c3>. 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

Appendix 7 – Supplementary Information for slide titled 'Excellent Ground Conditions'



PROPERTY	LOCATION	CURRENT OWNER			SOURCE DATA
Young-Davidson Mine (YD)	Ontario, Canada	Alamos Gold Inc.	Commodity	Gold	Alamos Gold Inc. website states YD is a gold mine. https://www.alamosgold.com/operations/producing-mines/young-davidson-canada/default.aspx
			Project Stage	Producing Mine	Alamos Gold Inc. website states YD is a producing mine. https://www.alamosgold.com/operations/producing-mines/young-davidson-canada/default.aspx
			Production Rate	2024 Estimate: 180-195koz	Alamos Gold Inc. corporate presentation dated July 2024 https://s24.q4cdn.com/779615370/files/doc_presentations/2024/07/Alamos-Gold-Corporate-Presentation_July-19-2024.pdf
			Mineral reserves (Proven & Probable) ¹	43.9Mt @ 2.31g/t for 3.26Moz gold	Alamos Gold Reserve and Resource statement as at December 31, 2023. https://s24.q4cdn.com/779615370/files/doc_downloads/2024/07/Alamos-2023-Reserve-Resource_July-2024-Update_Final.pdf
			Mineral resources exclusive of reserves – Measured & Indicated ¹	11.6Mt @ 3.01g/t for 1.13Moz gold	Alamos Gold Reserve and Resource statement as at December 31, 2023. https://s24.q4cdn.com/779615370/files/doc_downloads/2024/07/Alamos-2023-Reserve-Resource_July-2024-Update_Final.pdf
			Mineral resources exclusive of reserves – Inferred ¹	1.4Mt @ 3.26g/t for 0.15Moz gold	Alamos Gold Reserve and Resource statement as at December 31, 2023. https://s24.q4cdn.com/779615370/files/doc_downloads/2024/07/Alamos-2023-Reserve-Resource_July-2024-Update_Final.pdf
			Mine Depth	~1,488.8m	Current mine depth (approximate) of the Young-Davidson mine based on the long section presented in the Alamos Gold Inc. corporate presentation dated July 2024. https://s24.q4cdn.com/779615370/files/doc_presentations/2024/07/Alamos-Gold-Corporate-Presentation_July-19-2024.pdf
			Open at depth?	Yes	As per ASX request, FireFly can confirm the presence of 'open' arrows on the long section of the Young Davidson mine presented in the Alamos Gold corporate presentation (slide 36) dated July 2024. https://s24.q4cdn.com/779615370/files/doc_presentations/2024/07/Alamos-Gold-Corporate-Presentation_July-19-2024.pdf . This information was requested by the ASX. The purpose of the slide that this table references is to compare mining depths at the individual Alamos asset, the Young-Davidson mine, and the current depth of the FireFly Metals Mine. Investors should be cautioned that a competent person as defined by the JORC Code (2012) edition has not done sufficient work to determine if the open arrows are justified, hence they were not included in the original slide.
			Company Market Capitalisation	C\$9,581.4M	Market capitalisation in Canadian dollars as at close on Friday 26 July – Share Price C\$22.83. This information was requested by the ASX for inclusion in the references. The slide this table references was purposed to compare mining depths at the individual Alamos asset, Young-Davidson mine, and the current depth of the FireFly Metals Mine. Alamos Gold is a multi-asset gold producing company so investors are cautioned not rely on direct comparisons between the market capitalisation of FireFly Metals and Alamos Gold.
Kidd Creek Mine	Ontario, Canada	Glencore Canada	Image on Slide	Long Section	Long section of the Young-Davidson mine modified from image released in the corporate presentation dated July 2024. https://s24.q4cdn.com/779615370/files/doc_presentations/2024/07/Alamos-Gold-Corporate-Presentation_July-19-2024.pdf
			Commodity	Zinc, Copper, Silver	Glencore Resources and Reserve report as at December 31 2023. https://www.glencore.com/.rest/api/v1/documents/static/a53e27b1-6025-4ef2-9be8-f3be543dfb26/GLENCORE-Resources-and-Reserves-report-2023.pdf
			Project Stage	Producing Mine	Glencore Canada Website. https://www.glencore.ca/en/kidd/
			Production Rate	2023 Actual Production: 38.6kt Zinc, 22.6kt Cu & 1.4Moz Ag	Glencore Full-Year 2023 Production report dated 1 February 2024. https://www.glencore.com/.rest/api/v1/documents/static/f2f3f568-9437-4c55-bcb6-49d2fc96d305/GLEN_2023-FY_ProductionReport.pdf
			Mineral reserves (Proven & Probable) ¹	2.5Mt @ 3.12% Zn, 1.44% Cu and 38g/t Ag	Glencore Resources and Reserve report as at December 31 2023. https://www.glencore.com/.rest/api/v1/documents/static/a53e27b1-6025-4ef2-9be8-f3be543dfb26/GLENCORE-Resources-and-Reserves-report-2023.pdf
			Mineral resources exclusive of reserves – Measured & Indicated ¹	4.6Mt @ 3.18% Zn, 1.43% Cu and 38g/t Ag	Glencore Resources and Reserve report as at December 31 2023. https://www.glencore.com/.rest/api/v1/documents/static/a53e27b1-6025-4ef2-9be8-f3be543dfb26/GLENCORE-Resources-and-Reserves-report-2023.pdf
			Mineral resources exclusive of reserves – Inferred ¹	No Inferred resources reported	Glencore Resources and Reserve report as at December 31 2023. https://www.glencore.com/.rest/api/v1/documents/static/a53e27b1-6025-4ef2-9be8-f3be543dfb26/GLENCORE-Resources-and-Reserves-report-2023.pdf
			Mine Depth	~3,000m	Glencore Canada Website. https://www.glencore.ca/en/kidd/about-us/deep-mining
			Open at depth?	Unknown	Insufficient information available
			Company Market Capitalisation	C\$93,656.3M	Market capitalisation in Canadian dollars as at close on Friday 26 July – Share Price C\$7.71. This information was requested by the ASX for inclusion in the references. The slide this table references was purposed to compare mining depths at the individual Glencore asset, Kidd Creek mine, and the current depth of the FireFly Metals Mine. Glencore is a multi-asset, multi-commodity and multi-jurisdictional company. Investors are cautioned not rely on direct comparisons between the market capitalisation of FireFly Metals and Glencore plc.
			Image on Slide	Long Section	Modified from Smith (2017), Thesis titled 'Retrospective Analysis of Mine Seismicity: Glencore, Kidd Creek Mine. https://www.researchgate.net/publication/325531275_Retrospective_Analysis_of_Mine_Seismicity_Glencore_Kidd_Mine/link/5b129a084585150a0a6185b3/d0wload?tp=eyJjb250ZXh0bjp7ImZpcnNOUGFpZSI6Il9kaXJlY3QlLCJwYVdlbGljaGVhbi9kYXRpbnQ24iLCJwcmV2aW91c1BhZ2UiOiJGlyZWNOIn19

Appendix 7 – Supplementary Information for slide titled 'Excellent Ground Conditions'



PROPERTY	LOCATION	CURRENT OWNER			SOURCE DATA
LaRonde	Quebec, Canada	Agnico Eagle	Commodity	Gold, Silver, Zinc, Copper	Agnico Eagle website, https://www.agnicoeagle.com/English/operations/operations/laronde/default.aspx
			Project Stage	Producing Mine	Agnico Eagle Website, https://www.agnicoeagle.com/English/operations/operations/laronde/default.aspx
			Production	2023 Actual production: 307koz Au, 588koz Ag, 7,663t Zn and 2,543t Cu	Agnico Eagle website, https://www.agnicoeagle.com/English/operations/default.aspx
			Mineral Reserves (Proven & Probable) ¹	19.9Mt @ 4.51g/t for 2.88Moz gold	Agnico Eagle Mines Limited Detailed Mineral Reserve and Mineral Resource Data (as at December 31, 2023). https://s21.q4cdn.com/374334112/files/doc_downloads/agnico_downloads/RnR-Tables/2023/ye_2023_mmr_pdf_for_aem_website_march_5_2024_v2.pdf
			Mineral Resources exclusive of reserves – Measured & Indicated ¹	17.0Mt @ 2.57g/t for 1.4Moz gold	Agnico Eagle Mines Limited Detailed Mineral Reserve and Mineral Resource Data (as at December 31, 2023). https://s21.q4cdn.com/374334112/files/doc_downloads/agnico_downloads/RnR-Tables/2023/ye_2023_mmr_pdf_for_aem_website_march_5_2024_v2.pdf
			Mineral Resources exclusive of reserves – Inferred ¹	12.0Mt @ 3.68g/t for 1.4Moz gold	Agnico Eagle Mines Limited Detailed Mineral Reserve and Mineral Resource Data (as at December 31, 2023). https://s21.q4cdn.com/374334112/files/doc_downloads/agnico_downloads/RnR-Tables/2023/ye_2023_mmr_pdf_for_aem_website_march_5_2024_v2.pdf
			Mine Depth	3,050m	From asset composite longitudinal section https://s21.q4cdn.com/374334112/files/doc_downloads/GeologyMaps/2023/5_LaRonde-Complex-Composite-Longitudinal-Sections.png
			Open at depth?	Yes	As per ASX request, FireFly can confirm the presence of 'open' arrows on the long section of the LaRonde mine presented on the Agnico Eagle website, which indicates the deposit remains open at depth. https://s21.q4cdn.com/374334112/files/doc_downloads/GeologyMaps/2023/5_LaRonde-Complex-Composite-Longitudinal-Sections.png This information was requested by the ASX. The purpose of the slide that this table references is to compare mining depths at the individual LaRonde asset, and the current depth of the FireFly Metals Ming Mine. Investors should be cautioned that a competent person as defined by the JORC Code (2012) edition has not done sufficient work to determine if the open arrows are justified, hence they were not included in the original slide.
			Company Market Capitalisation	C\$50,736.6M	Market capitalisation in Canadian dollars as at close on Friday 26 July – Share Price C\$101.64 This information was requested by the ASX for inclusion in the references. The slide this table references was purposed to compare mining depths at the individual Agnico Eagle asset, La Ronde mine, and the current depth of the FireFly Metals Ming Mine. Agnico Eagle is a multi-asset, multi-commodity and multi-jurisdictional company. Investors are cautioned not rely on direct comparisons between the market capitalisation of FireFly Metals and Agnico Eagle.
			Image on Slide	Long section	Modified from composite longitudinal long section provided on the Agnico Eagle website. https://s21.q4cdn.com/374334112/files/doc_downloads/GeologyMaps/2023/5_LaRonde-Complex-Composite-Longitudinal-Sections.png

1. The resources and reserves are foreign estimates that have been prepared in accordance with Canadian National Instrument 43-101 and have not been reported in accordance with the JORC Code (2012 Edition). A competent person has not done sufficient work to classify the foreign estimates in accordance with the JORC Code and it is uncertain that following evaluation and or further exploration that a foreign estimate will be able to be reported in accordance with the JORC Code.