



**PRECIOUS METALS
SUMMIT | BEAVER CREEK**

Where the smart money goes prospecting™

ASX FFM

SEPTEMBER 10-13, 2024

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
- Two exceptional projects with infrastructure
- Tier one mining jurisdictions

Precious Metals Summit Beaver Creek

10-13 September 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" (refer Appendix 1). 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 mineral resource estimate for the Green Bay Project on 31 August 2023 (refer Appendix 1). 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 1 of this presentation. 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, 29/4/2024, 19/06/2024, 22/08/2024, and 2/09/2024. 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.

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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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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\$40.6M** in cash and liquid investments²

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 1 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 30 June 2024 (A\$38.1m) plus shareholding in Maritime Resources Corp (TSX-V:MAE) (A\$2.5m).

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 ¹
Management performance rights	34.9M ²

A\$0.83

Current Share Price¹

A\$400M

Market Capitalisation¹

SHAREHOLDER SUMMARY³

Board & Management (fully diluted)	13%
Australian & Global Institutions	55%
BlackRock Group	14%

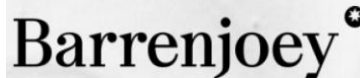
2.4M

Average Daily Volume⁴

~A\$40.6M

Cash and liquid investments⁵

GLOBAL BANKING & RESEARCH



No Debt

No offtake

No streams

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1. As at 9 Sep 2024. 2. Management performance rights and options are unlisted. 3. As at 15 August 2024. 4. From 1 March 2024 to 9 September 2024. 5. Cash position as at 30 June 2024 (A\$38.1m) plus shareholding in Maritime Resources Corp (TSX-V:MAE).

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**.

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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**.

Transition to Copper

Green Bay Copper-Gold Project (100% FireFly ownership)



'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

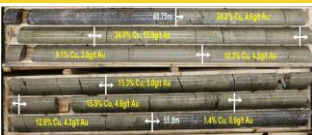
- High-grade massive sulphide copper gold lodes – Resource extension drilling
- Bulk tonnage Footwall copper Zone – Resource extension drilling
- Geophysical downhole electromagnetics to vector new lodes



'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

- **Acquired Green Bay Copper-Gold Project in October 2023 for A\$65M**
- **All the attributes of a future world-class copper mine**

SIGNIFICANT WORK UNDERWAY

100,000m drilling

4 x drill rigs

1,500m Exploration drill drive

Targeting Resource updates
Q4 24 & Q2 25

New discovery drilling

Geophysical targeting near mine and regional

Engineering studies for upscaled production underway

The High-Grade Pickle Crow Gold Project

FireFly has commenced a strategic process to determine best way to create shareholder value for Pickle Crow

RATIONALE FOR STRATEGIC REVIEW

- **Company Focus**
Pickle Crow is an exceptional asset however the Company's priority is advancing the Green Bay copper-gold project
- **Lack of valuation within the current portfolio**
Pickle Crow is not being adequately valued in the current FireFly market capitalisation
- **Change in Shareholder Register**
New institutional shareholders have invested for copper. Others have exited due to the switch from a primary precious metal focus
- **Macro Gold Environment**
The macro gold landscape has moved significantly in the past year

OPTIONS

FireFly has many options to create shareholder value from Pickle Crow, including:

Strategic Partnerships
/ Joint Ventures

Demerger & Stand-
alone listing

Outright Sale

Hold & Progress the
Asset

The World-Class Pickle Crow Gold Project

Pickle Crow has one of the highest grade 2.8Moz gold resources globally in addition to significant district-scale discovery potential

LOCATION



- Operating in a stable Tier 1 mining jurisdiction, Ontario Canada
- Year-round access
- Exceptional support infrastructure
- In a prolific mineral belt with >40Moz gold endowment

THE ASSET



- Long history of producing high-grade gold
- Historic production of 1.5Moz at 16.1g/t gold (1935 to 1966)
- Processing plant, historic underground development
- No liability for historic mining activities

GROWTH



- Resource of 2.8Moz at 7.2g/t gold open in all directions
- Outstanding camp-scale discovery potential on 500km² of consolidated exploration claims
- Open pit mining potential in broad Musselwhite-style BIF
- Rapid pathway to production



Exceptional UNMINED Drill Intersections

HIGH GRADE QUARTZ VEIN MINERALISATION (Red Lake Style)

Exceptional Grades & Simple Metallurgy

- 5.6m @ 33.4g/t Au
- 7.8m @ 16.7g/t Au
- 4.0m @ 11.0g/t Au
- 0.4m @ 1,020g/t Au
- 7.3m @ 33.3g/t Au
- 7.8m @ 17.0g/t Au
- 3.3m @ 15.9g/t Au
- 1.6m @ 73.2g/t Au
- 2.1m @ 92.0g/t Au
- 2.0m @ 68.3g/t Au
- 2.1m @ 31.8g/t Au
- 1.8m @ 66.9g/t Au



BANDED IRON-HOSTED MINERALISATION (Musselwhite Style)

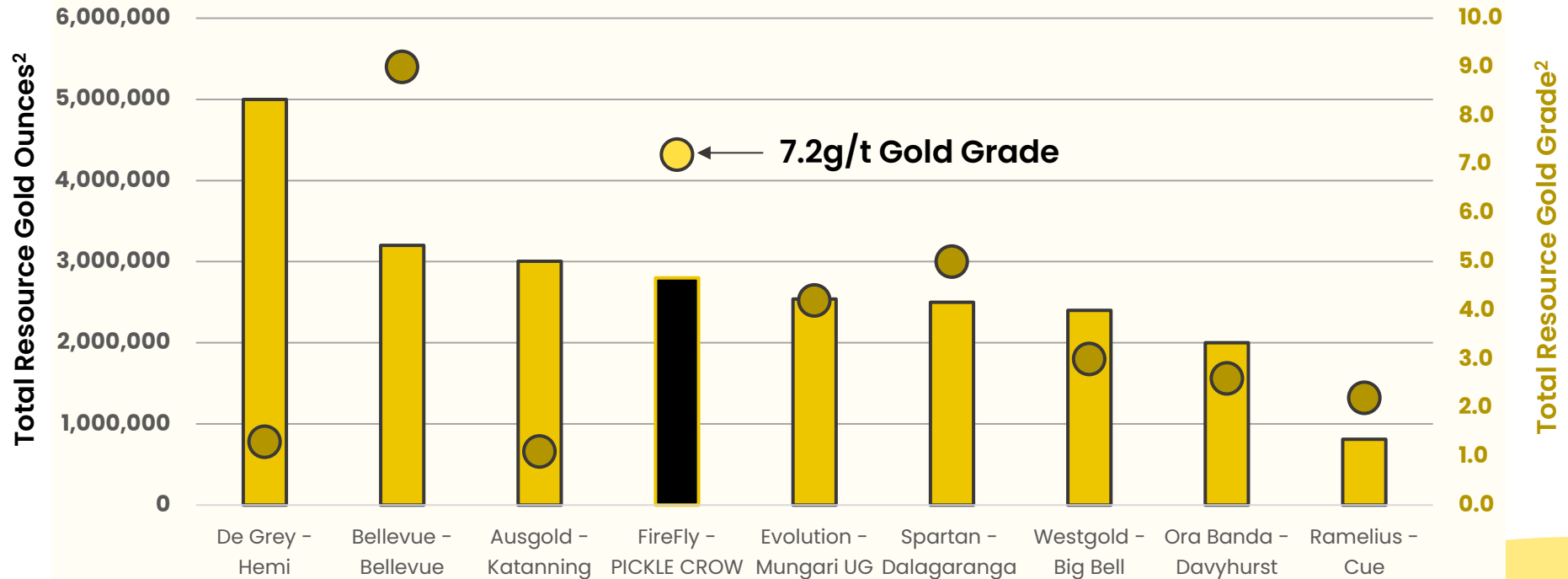
Overlooked Shallow Bulk Mining Potential

- 20.4m @ 5.3g/t Au
- 11.9m @ 3.5g/t Au
- 36.0m @ 1.5g/t Au
- 35.7m @ 2.2g/t Au
- 19.5m @ 3.3g/t Au
- 10.5m @ 3.6g/t Au
- 5.5m @ 18.0g/t Au
- 6.0m @ 5.8g/t Au
- 14.9m @ 2.2g/t Au



A Rare Combination of both SCALE and GRADE

One of the highest-grade gold development project globally¹









1. Refer to Appendix 4 for details further on commodity, resources, reserves, project stage and market capitalisation of owner.
 2. Total Resources are inclusive of ore reserves.

An Area of Significant Corporate Activity

>US \$2 Billion worth of transactions since 2019 in the same belt of rocks that hosts Pickle Crow

**LOCAL
TRANSACTIONS**
Near Pickle Crow¹

(Uchi Belt)

ASSET	Dixie	Red Lake	Phoenix
STAGE	Exploration, No Resource	Production	Feasibility
SELLER / TARGET			
ACQUIRER			
TRANSACTION	Takeover	Asset Sale	Company Acquisition
DEAL VALUE	US\$1.4 Billion (A\$2B ²)	To US\$475M (A\$680M ²)	US\$254M (A\$363M ²)

Key Opportunities

RESOURCE GROWTH

- **2.8Moz @ 7.2g/t** resource remains **OPEN** in all directions
- Potential to increase previously **overlooked open pit bulk resource potential**
- Increase resource at **satellite deposits**, such as Cohen-MacArthur

REGIONAL DISCOVERY

- Compelling regional **drill-ready targets**
- Exceptional **structural** and **geochemical targets** generated
- Large database of historical drilling that requires follow up, including intersections of up to **66.9g/t gold**

NEAR-MINE DISCOVERY

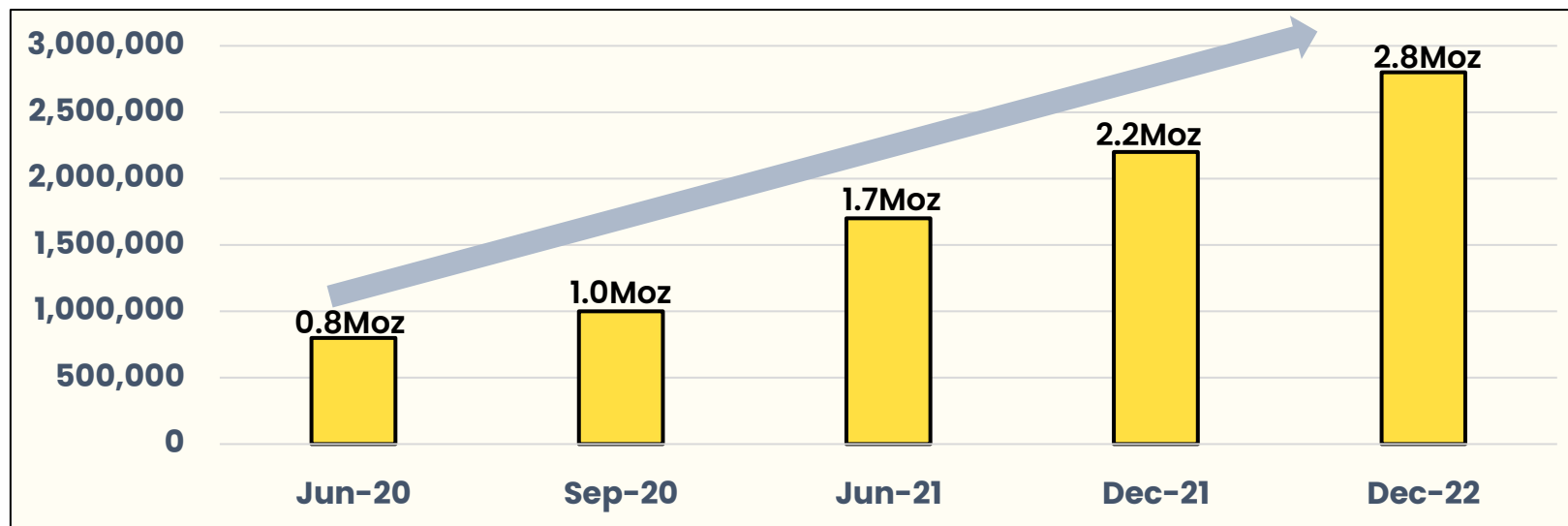
- Rapid **expansion** of key prospects **within 3km** of the main UG mine
- **Revised structural model** points to more discoveries like **Tyson**
- **Numerous drill ready targets**, such as Springer, F-Zone and Talia

NEAR-TERM PRODUCTION

- **Processing plant** on site
- **Open pit** potential, access to **Underground**
- **High-grade stockpiles** containing >5koz Au
- **Toll treatment** opportunities
- Potential to treat **historical tailings**

2.8 Million Ounces & Growing

Strong and Consistent Resource Growth

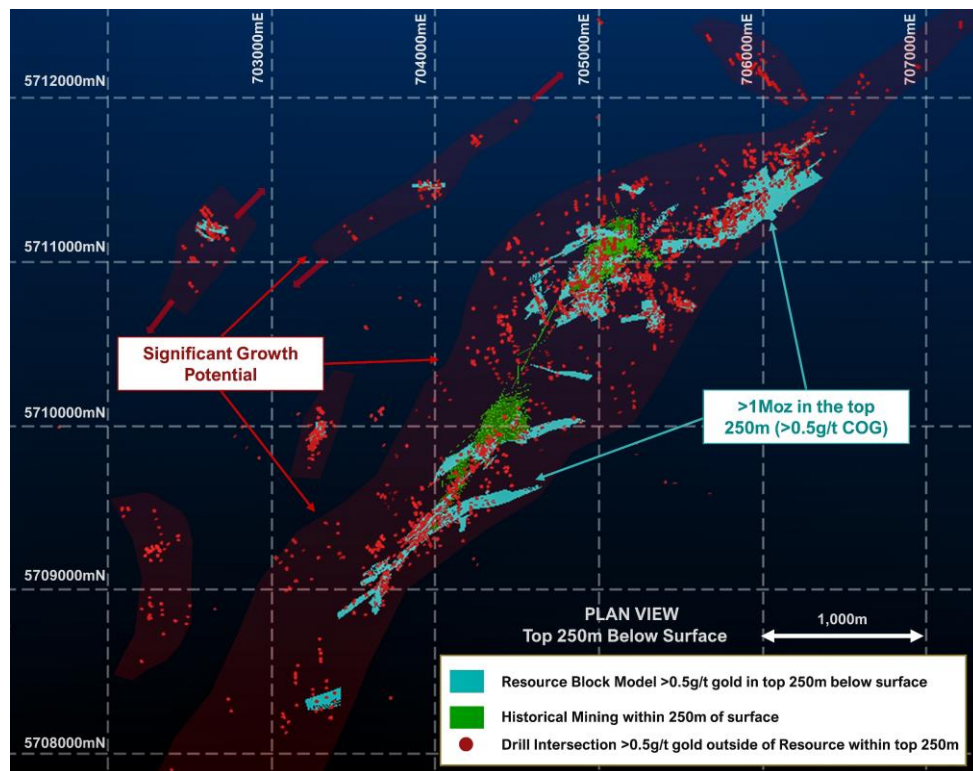


Inferred Resource as at 31 December 2022¹

Mineralisation Domain	Lower Cut-off	Tonnes (Mt)	Gold Grade (g/t)	Gold (Million oz)	Variance to Dec 2021 Resource
Quartz Lodes	3.0g/t	6.7	9.8	2.1	+0.19Moz
Bulk (BIF, Porphyry)	2.0g/t	4.2	3.8	0.5	+0.21Moz
Satellite (East Pat, Cohen)	2.0g/t	1.0	4.1	0.1	+0.13Moz
TOTAL		11.9	7.2	2.8	+0.53Moz (+24%)

1. See ASX Release dated 4 May 2023 for details of the Inferred Resource estimate

Overlooked Near Surface Potential



SIGNIFICANT SHALLOW POTENTIAL

- Over 1Moz in-situ above 0.5g/t in the top 250 metres
- Extensive shallow mineralisation in the top 250 metres below surface outside of the current Resource
- Significant open pit potential
- Resource remains open in all directions



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Pickle Crow in 3D

VRIFY

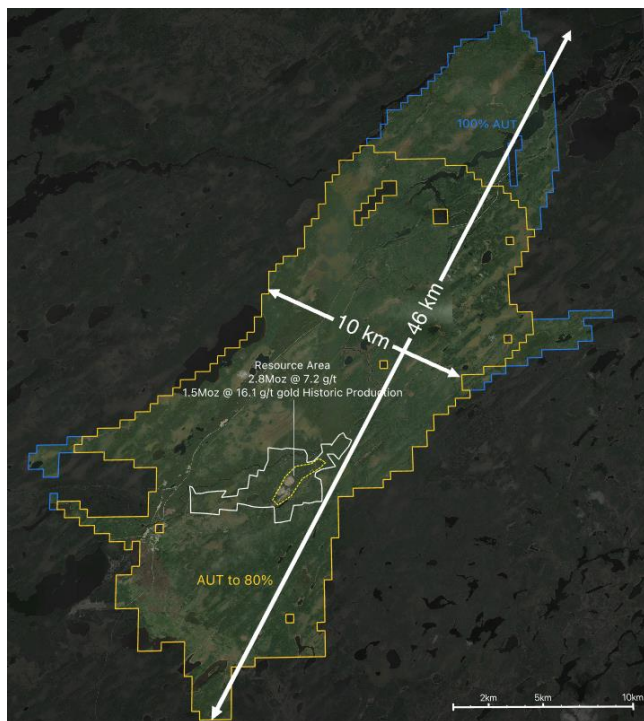
- Land Holding
- Infrastructure
- Mine Development
- Drilling
- Near-Mine Potential
- Regional Exploration Upside



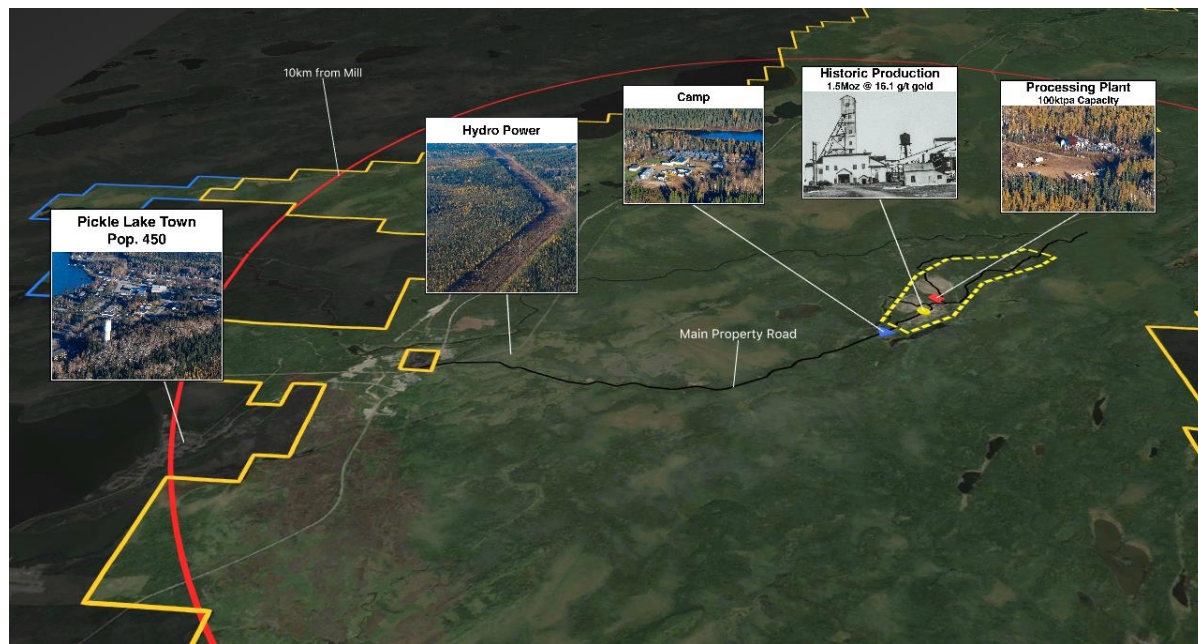
District-Scale Land Holding with Excellent Infrastructure

500km² REGIONAL HOLDING

INFRASTRUCTURE TO SUPPORT A FUTURE MINE



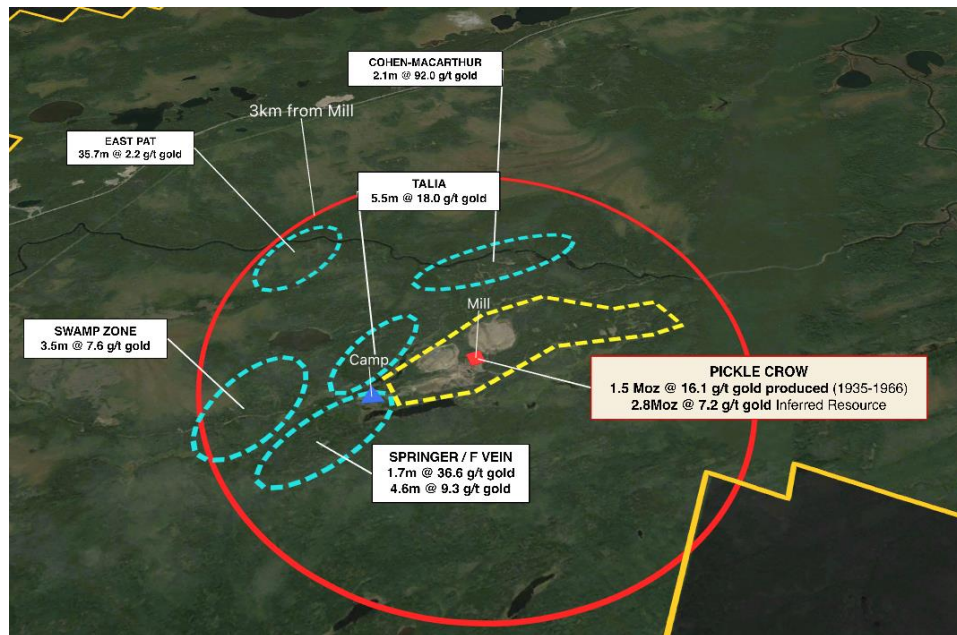
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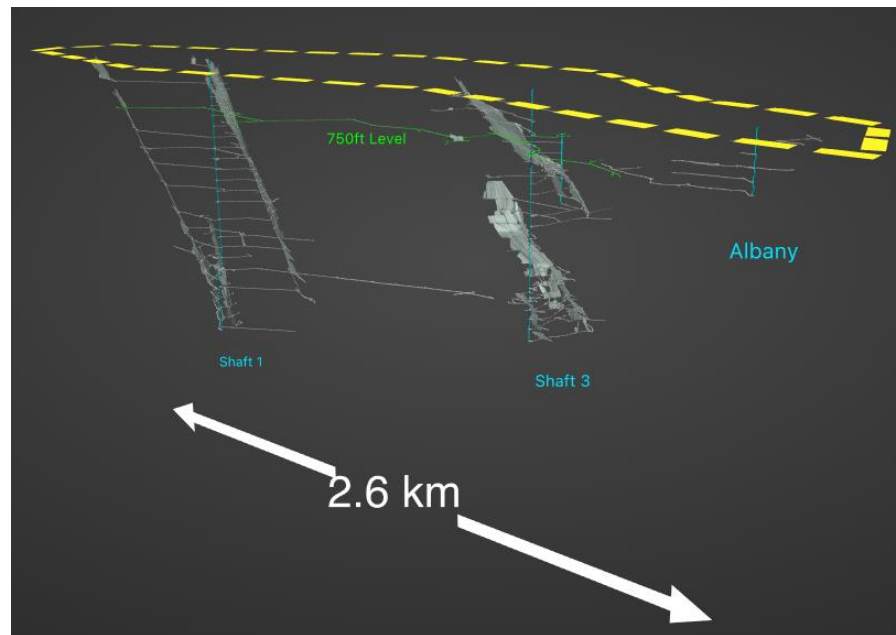
- **Adjacent to a fully serviced town with 365 days a year access**
- **Hydro power runs through the property**
- **50-person camp & 100ktpa processing plant**

Near Mine Discovery Potential & Accessibility

POTENTIAL IN THE SHADOW OF THE HEADFRAME



UNDERGROUND INFRASTRUCTURE

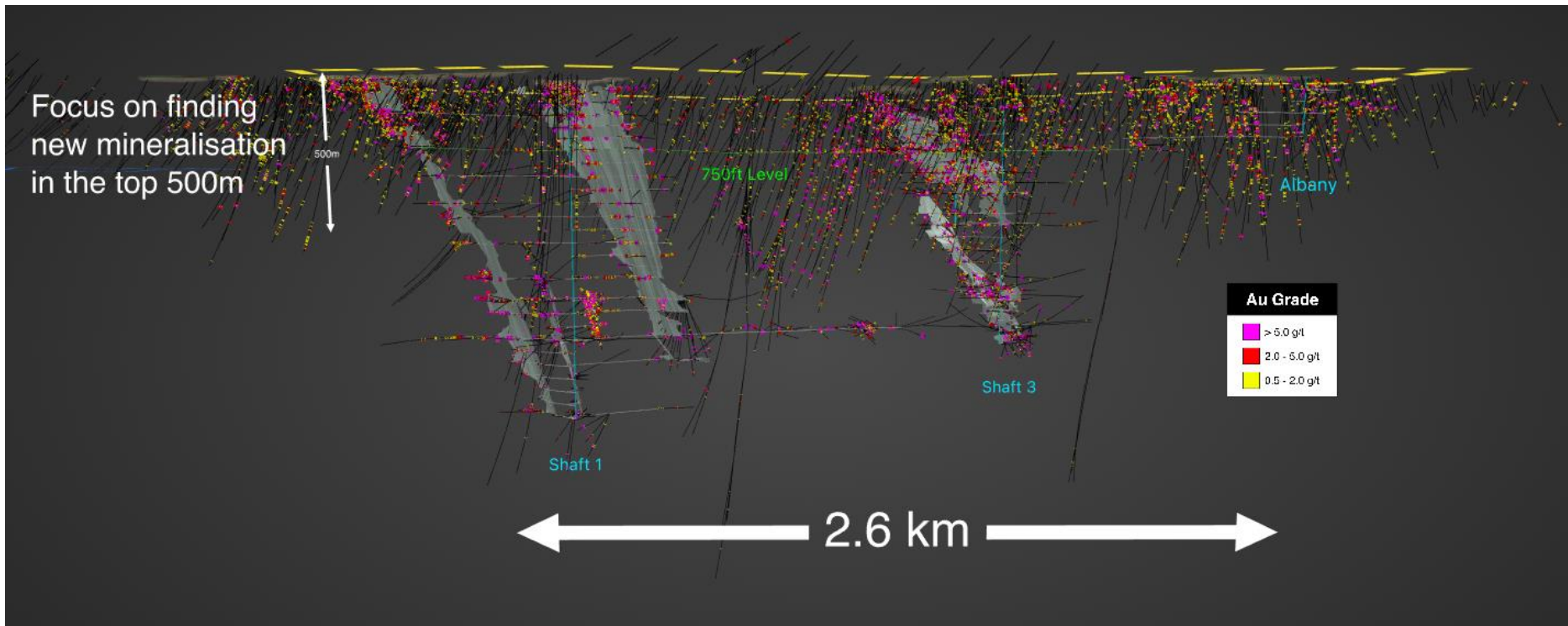


- Strong intersections within 3km of the resource

- Historical 750ft level may be used as a drill platform

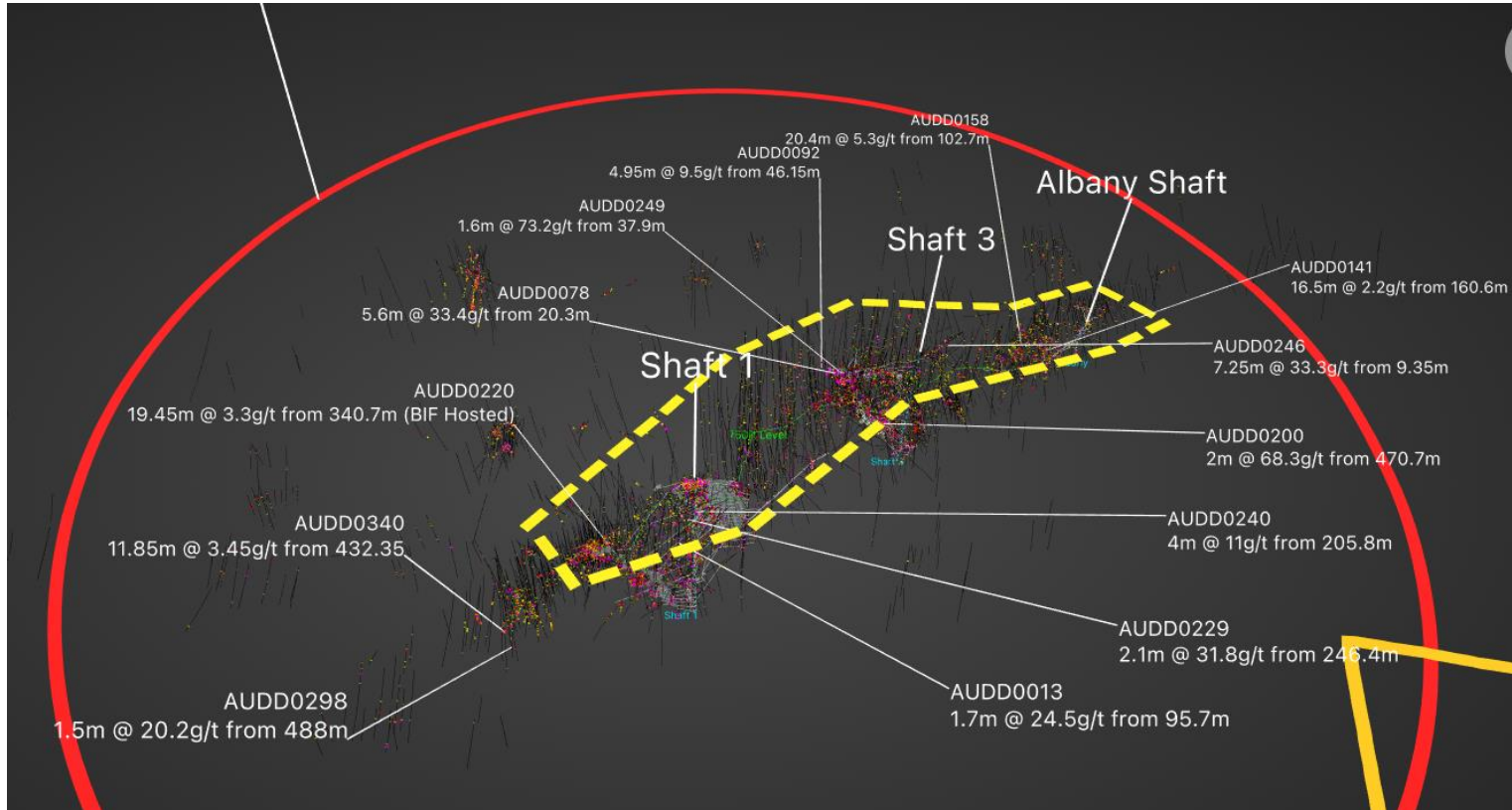
A Large-Scale High-Grade Mineralised System

EXTENSIVE MINERALISATION OUTSIDE OF HISTORIC MINING

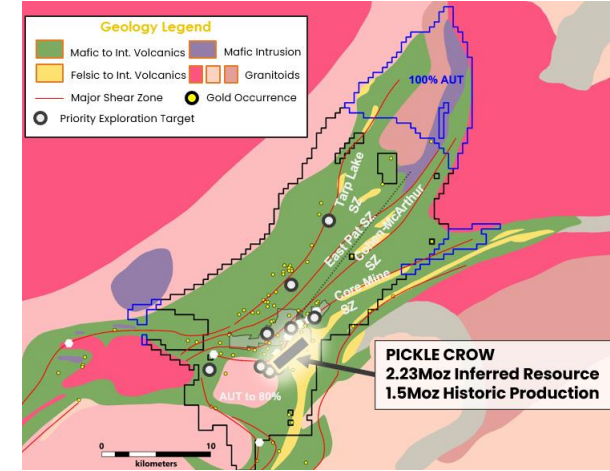
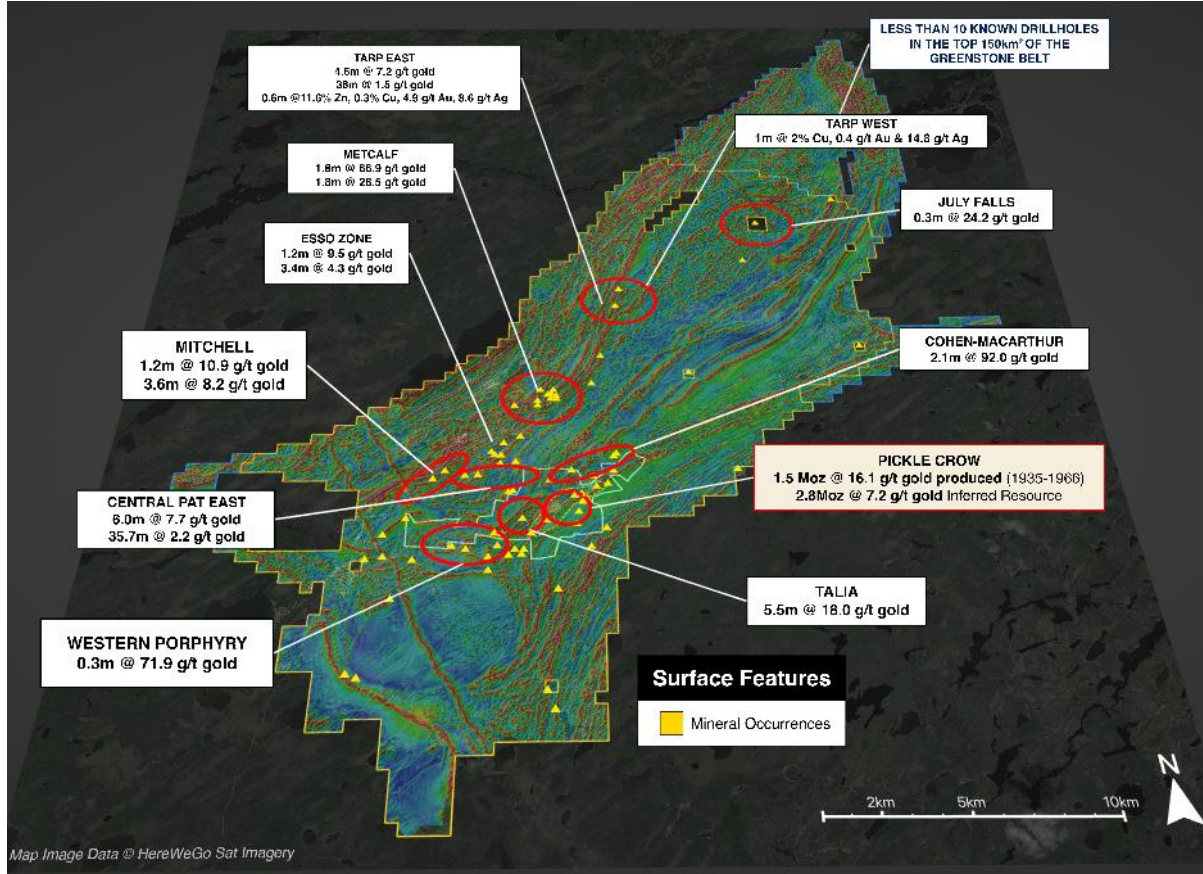


Outstanding Unmined Intersections

POTENTIAL TO SIGNIFICANTLY GROW THE RESOURCE



Camp-Scale Discovery Potential

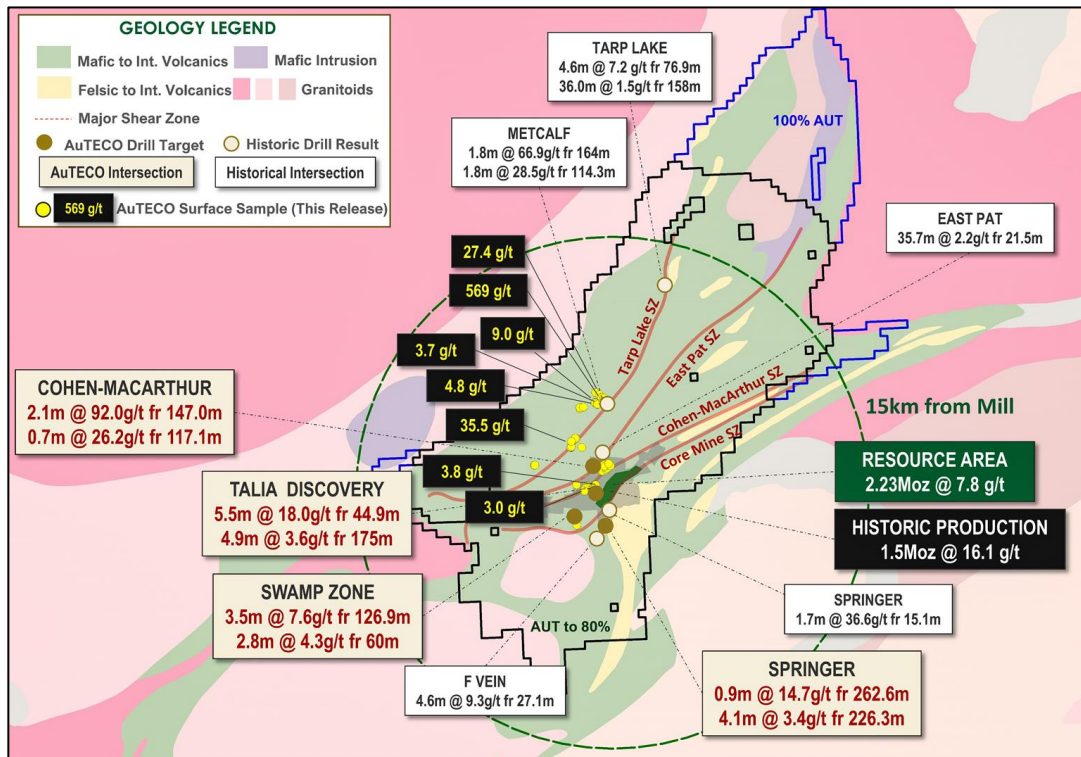


- District scale exploration play
- Significant indicators of mineralisation well outside of current resource
- Chronically under-explored

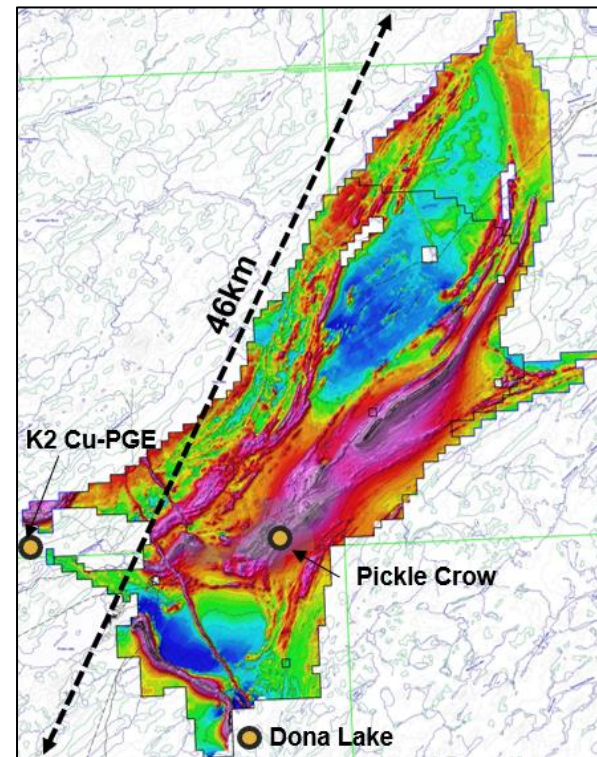
Exceptional Regional Discovery Potential

An entire mineral district

GEOLOGY AND KEY RESULTS



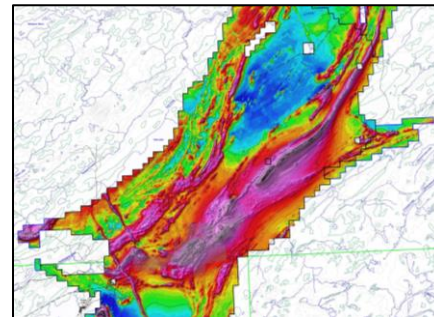
HELI-MAG DATA 2022



A COMPELLING INVESTMENT OPPORTUNITY

One of the highest grade +2Moz Inferred Resources with strong potential to grow

- **Tier One** Mining Jurisdiction in **Ontario, Canada**
- **Rare combination of SCALE and GRADE**
 - At 2.8Moz @ 7.2g/t, Pickle Crow is one of the Highest-Grade undeveloped gold resources in the world
- Resource remains **OPEN IN ALL DIRECTIONS**
- Shallow potential, with **+1Moz in the top 250m** above a 0.5g/t cutoff
- **High probability of future discoveries** on a large under-explored 500km² camp-scale regional land holding with strong gold indicators
- Infrastructure and projects to support a near-term **pathway to production**





ASX FFM

Pickle Crow Appendices

- Appendix 1: FireFly Mineral Resources
- Appendix 2: Uchi sub-province
- Appendix 3: ESG
- Appendix 4: Further information on peer comparison slide titled 'A rare combination of both scale and grade'
- Appendix 5: Corporate transaction information

Appendix 1 – FireFly Metals Ltd 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

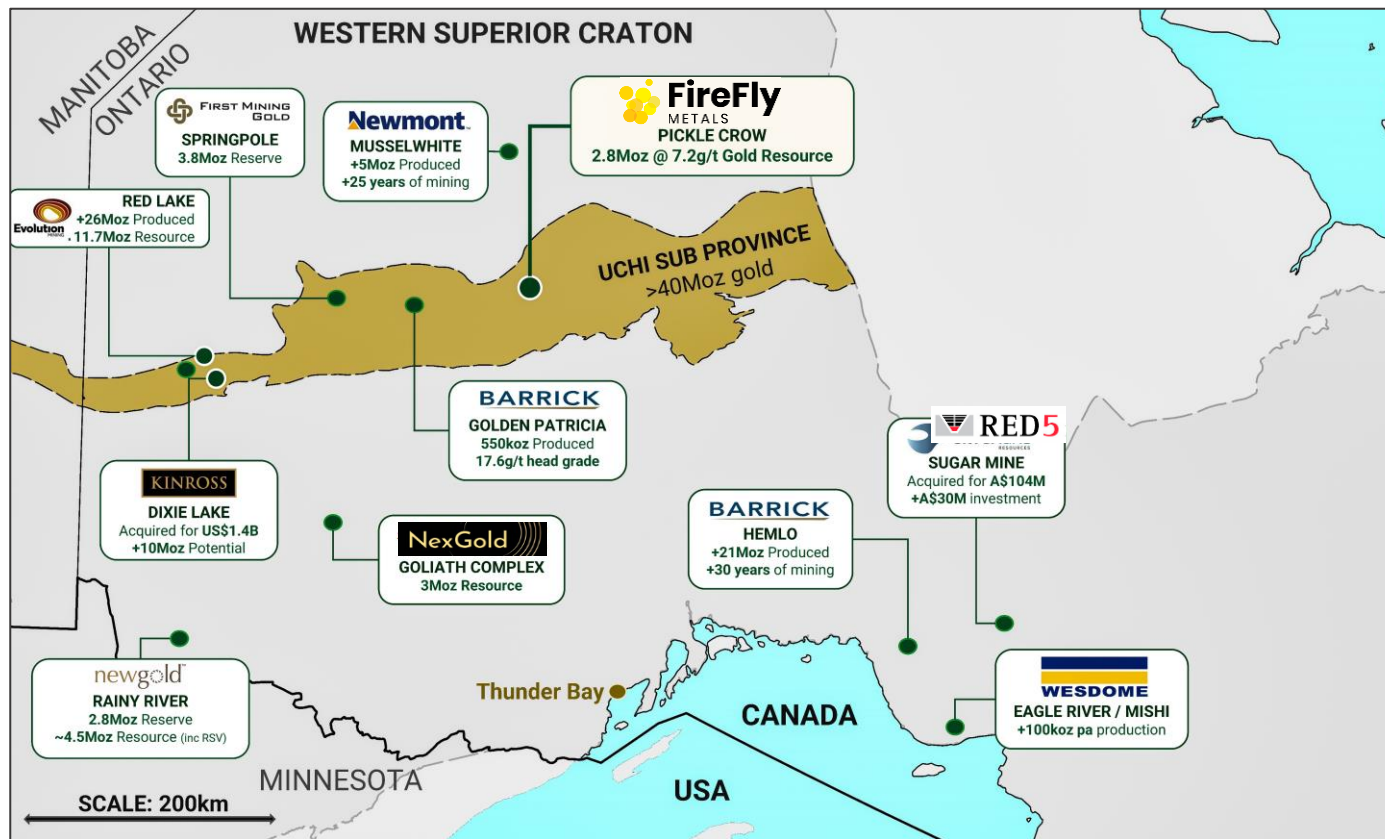
PICKLE CROW	Measured			Indicated			Inferred			TOTAL RESOURCE		
	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal	Tonnes	Grade	Metal
Gold	-	-	-	-	-	-	11.9Mt	7.2g/t	2.8Moz	11.9Mt	7.2g/t	2.8Moz

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 2 – The Uchi Sub-province

One of the best addresses globally with world-class gold deposits



Appendix 3 – Environment & Community

The Cornerstone of our business

- **Exploration agreement** signed with Mishkeegogamang Ojibway First Nation

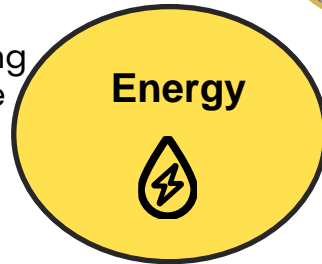
- Avoidance buffers set up for **culturally sensitive areas**

- **Participation** in local activities, donations



- **Carbon-neutral hydro** being investigated for future mine development

- **Energy reduction** initiatives



- Progressive **rehab completed**
- **Baseline** monitoring ongoing
- FireFly is **NOT LIABLE** for historical mining liabilities – only activities completed
- **No outstanding issues** with government

- Continued **First Nation employment** (Security, Field activities)

- **No recordable incidents** on site 2020 – 2024 YTD
- Safety committee, risk assessments & **governance processes** in place

Appendix 4 – Further Information on peer comparison slide titled ‘A Rare combination of both scale and grade’¹



PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE DATA
Hemi	Western Australia	Degrey Mining	Commodity	Gold	https://degreymining.com.au/
			Project Stage	Pre-Mining	
			Production Rate	N/A	
			Reporting Code	JORC (2012)	ASX Release titled ‘Hemi Gold Project Resource Update – November 2023’, 21 November 2023, https://degreymining.com.au/wp-content/uploads/2023/11/20231121-ASX-DEG-Hemi-MRE-Update-lodgement.pdf
			Ore Reserves	120.8Mt @ 1.5g/t Au for 6.0Moz	
			Mineral Resources Measured & Indicated	166Mt @ 1.3g/t Au for 6.9Moz	
			Mineral Resources Inferred	89Mt @ 1.3g/t Au for 3.6Moz	
			Mineral Resource TOTAL	255Mt @ 1.3g/t for 10.5Moz	
			Mine Method (planned)	Open Pit	ASX Release titled ‘Hemi Gold Project Outstanding Financial Metrics in High Confidence Definitive Feasibility Study’, 28 September 2023. https://degreymining.com.au/wp-content/uploads/2023/09/20230928-DEG-ASX-DFS-Announcement-Executive-Summary-Combined-lodgement.pdf
Company Market Capitalisation	A\$2,620M	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/deg			
Bellevue	Western Australia	Bellevue Gold	Commodity	Gold	https://bellevuegold.com.au
			Project Stage	Production	
			Production Rate	165-180koz	FY25 Forecast, ASX release titled ‘5 Year Growth Plan and Equity Raising Presentation’, 24 July 2024, https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02831341-6A1217226&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Reporting Code	JORC (2012)	FY25 Forecast, ASX release titled ‘5 Year Growth Plan and Equity Raising Presentation’, 24 July 2024, https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02831341-6A1217226&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Ore Reserves	9.3Mt @ 5.0g/t for 1.5Moz	
			Mineral Resources Measured & Indicated	6.2Mt @ 10.1g/t for 2.0Moz	
			Mineral Resources Inferred	4.8Mt @ 7.7g/t for 1.2Moz	
			Mineral Resource TOTAL	11.0Mt @ 9.0g/t for 3.2Moz	
			Mine Method	Underground	https://bellevuegold.com.au
Company Market Capitalisation	A41,480M	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/bg1			

1. All Resources shown are reported Inclusive of Ore Reserves

Appendix 4¹ – Continued



PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE DATA
Katanning	Western Australia	Ausgold	Commodity	Gold	https://ausgoldlimited.com/
			Project Stage	Pre-Development	Corporate Presentation, September 2024: https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02847970-6A1223662&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Production Rate	N/A	https://ausgoldlimited.com/projects/katanning-gold-project/#jorc-mineral-resource-katanning
			Reporting Code	JORC (2012)	
			Ore Reserves	32Mt @ 1.25g/t for 3.0Moz	
			Mineral Resources Measured & Indicated	69.9Mt @ 1.1g/t for 2.4Moz	
			Mineral Resources Inferred	18.9Mt @ 1.0g/t for 0.6Moz	
			Mineral Resource TOTAL	88.9Mt @ 1.1g/t for 3.0Moz	
			Mine Method (planned)	Open pit	https://ausgoldlimited.com/projects/katanning-gold-project/#jorc-mineral-resource-katanning
Company Market Capitalisation	A\$142.5M	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/auc			
Dalagaranga	Western Australia	Spartan Resources	Commodity	Gold	https://spartanresources.com.au/
			Project Stage	Pre-Development	Diggers and Dealers Presentation 2024, https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02836207-6A1219637&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Production Rate	N/A	Not in production
			Reporting Code	JORC (2012)	ASX release titled 'Dalagaranga Gold Project – Mineral Resource Estimate Update', 23 July 2024, https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02830294-6A1216751&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Ore Reserves	Nil	
			Mineral Resources Measured & Indicated	8.7Mt @ 5.0g/t for 1.4Moz	
			Mineral Resources Inferred	7.4Mt @ 4.6g/t for 1.1Moz	
			Mineral Resource TOTAL	16.1Mt @ 4.8g/t for 2.5Moz	
			Mine Method	Open Pit & UG	
Company Market Capitalisation	A\$,370M	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/spr			

1. All Resources shown are reported Inclusive of Ore Reserves

Appendix 4¹ – Continued



PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE DATA
Davyhurst Gold Project	Western Australia	Ora Banda Mining	Commodity	Gold	https://orabandamining.com.au/
			Project Stage	Production	North American Investor Presentation, 3 September 2024, https://orabandamining.com.au/download/corporate-presentation-north-america/?wpdmdl=14154&refresh=66de2062434ad1725833314
			Production Rate	~70koz p.a	
			Reporting Code	JORC (2012)	ASX release dated 2 July 2024 titled 'Annual Mineral Resource and Ore Reserve Statement'. https://orabandamining.com.au/download/annual-mineral-resource-and-ore-reserve-statement/?wpdmdl=12926&refresh=66ddb050360c01725804624
			Ore Reserves	2.2Mt @ 2.7g/t for 0.2Moz	
			Mineral Resources Measured & Indicated	14.7Mt @ 2.3g/t	
			Mineral Resources Inferred	8.5Mt @ 3.0g/t	
			Mineral Resource TOTAL	23.2Mt @ 2.6g/t for 1.95Moz	
			Mine Method	Open Pit & UG	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/obm
Company Market Capitalisation	A\$1,000M				
Cue Project	Western Australia	Ramelius Resources	Commodity	Gold	https://www.rameliusresources.com.au/cue-gold-project/
			Project Stage	Pre-Development	https://www.rameliusresources.com.au/cue-gold-project/
			Production Rate	N/A	Not in production
			Reporting Code	JORC (2012)	ASX release titled 2024 Resources and Reserves Statement dated 1 September 2024. chrome-extension://efaidnbmnnnibpcajpcgclefindmkaj/https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02847182-6A1223373&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Ore Reserves	2.8Mt @ 2.8g/t for 250koz	
			Mineral Resources Measured & Indicated	6.0Mt @ 2.4g/t for 0.5Moz	
			Mineral Resources Inferred	5.3Mt @ 1.8g/t for 310koz	
			Mineral Resource TOTAL	11.0Mt @ 2.2g/t for 810koz	
			Mine Method	Open Pit & UG	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/rms
Company Market Capitalisation	A\$2,510M				

1. All Resources shown are reported Inclusive of Ore Reserves

Appendix 4¹ – Continued



PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE DATA
Big Bell	Western Australia	Westgold	Commodity	Gold	https://www.westgold.com.au
			Project Stage	Production	
			Production Rate	<100koz p.a	https://www.westgold.com.au/pdf/d5ff5105-39b1-4618-a863-63a76313e78d/June-24-Quarterly-Results.pdf
			Reporting Code	JORC (2012)	Mineral Resource statement as at 30 June 2023, https://www.westgold.com.au/gold-operations/mineral-resources-and-ore-reserves
			Ore Reserves	9.8Mt @ 3.1g/t for 1.0Moz	
			Mineral Resources– Measured & Indicated	15.4Mt @ 3.2g/t for 1.6Moz	
			Mineral Resources– Inferred	8.9Mt @ 2.7g/t for 0.8Moz	
			Mineral Resource - TOTAL	24.4Mt @ 3.0g/t for 2.4Moz	
			Mine Method	Underground	https://www.westgold.com.au
Company Market Capitalisation	A\$2,710M	Based on share price at close on 6 September 2024. Source: ASX Website - https://www.asx.com.au/markets/company/wgx			
Pickle Crow	Ontario	FireFly Metals	Commodity	Gold	https://fireflymetals.com.au/
			Project Stage	Pre-Development	
			Production Rate	N/A	Auteco Minerals ASX release titled 'Pickle Crow Gold Project – High Grade Inferred Gold Resource Grows to 2.8Moz @ 7.2g/t' dated 4 May 2023
			Reporting Code	JORC (2012 Edition)	
			Ore Reserves	Nil	
			Mineral Resources– Measured & Indicated	Nil	
			Mineral Resources Inferred	11.9Mt @ 7.2g/t for 2.8Moz	
			Mineral Resource - TOTAL	11.9Mt @ 7.2g/t for 2.8Moz	
			Mine Method	Underground (potential)	Based on share price at close on 6 September 2024. Source: ASX Website https://www.asx.com.au/markets/company/ffm
Company Market Capitalisation	~A\$400M				

1. All Resources shown are reported Inclusive of Ore Reserves

Appendix 4¹ – Continued



PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE DATA
Mungari UG	Western Australia	Evolution Mining	Commodity	Gold	https://evolutionmining.com.au/
			Project Stage	Production	
			Production Rate	~130koz p.a	Total attributable for Mungari. Company fact sheet. https://evolutionmining.com.au/storage/2023/09/Mungari-fact-sheet-FY23.pdf
			Reporting Code	JORC (2012 Edition)	<u>ASX Release titled 'Annual Mineral Resources and Ore Reserve Statement as at 31 December 2023' dated 14 February 2024.</u> https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02772317-2A1504726&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Ore Reserves	3.1Mt @ 4.4g/t for 0.4Moz	
			Mineral Resources – Measured & Indicated	10.1Mt @ 4.4g/t for 1.4Moz	
			Mineral Resources Inferred	8.7Mt @ 4.0g/t for 1.1Moz	
			Mineral Resource – TOTAL	18.1Mt @ 4.2g/t for 2.5Moz	
			Mine Method	Underground	
Company Market Capitalisation	A\$7,900	Based on share price at close on 6 September 2024. Source: ASX Website https://www.asx.com.au/markets/company/evn			

1. All Resources shown are reported Inclusive of Ore Reserves

Appendix 5 – Corporate Transaction Details



SOURCE	DATE	ASSET	TARGET/ SELLER	ACQUIRER	TRANSACTION TYPE	TRANSACTION VALUE
Note 1	24/02/2022	Dixie	Great Bear Resources	Kinross	Company acquisition	US\$1.4B
Note 2	26/11/2019	Red Lake	Newmont Mining	Evolution Mining	Asset Transaction	to US\$475M
Note 3	20/05/2021	Phoenix Gold Project	Battle North Gold	Evolution Mining	Company acquisition	C\$343M

Additional Information on Dixie/Great Bear Asset⁴

PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE
Great Bear / Dixie Lake	Ontario	Kinross	Commodity	Gold	Company Website, https://www.kinross.com/operations/default.aspx#canada-great-bear
			Project Stage	Pre-Development	
			Production Rate	N/A	
			Reporting Code	NI 43-101 (Canada)	Kinross press release titled ' Kinross announces robust initial mineral resource of 2.7Moz. Indicated and 2.3Moz inferred for Great Bear project' https://www.kinross.com/news-and-investors/news-releases/press-release-details/2023/Kinross-announces-robust-initial-mineral-resource-of-2.7-Moz.-indicated-and-2.3-Moz.-inferred-for-Great-Bear-project/default.aspx
			Ore Reserves	Nil	
			Mineral Resources– Measured & Indicated	33.1Mt @ 2.6g/t for 2.7Moz	
			Mineral Resources – Inferred (OP)	8.4Mt @ 2.2g/t for 0.6Moz	
			Mineral Resources – Inferred (UG)	11.6Mt @ 4.5g/t for 1.7Moz	
			Mineral Resource - TOTAL	53.1Mt @ 2.9g/t for 5.0Moz	
			Mine Method	Open Pit / UG (Planned)	
Company Market Capitalisation	A\$15,745M	Company Website, https://www.kinross.com/operations/default.aspx#canada-great-bear			
					Based on share price at close on 9 September 2024. Source: ASX Website

1. Source: Kinross (TSX:K) News Release 24/2/2023 – 'Kinross completes acquisition of Great Bear Resources'
2. Source: Evolution Mining (ASX:EVN) ASX Release 26/11/2019 – 'Evolution to acquire Red Lake Gold Complex in Canada'
3. Source: Evolution Mining (ASX:EVN) ASX Release 20/5/2021 – 'Completion of Battle North Acquisition'
4. Information is current as at 9 September 2024 (rather than at the time of the transaction). Mineral resource estimates are Foreign Estimates prepared in accordance with Canadian National Instrument 43-101 (NI-43 101).

Appendix 5– Continued



Additional Information on Red Lake / Battle North Asset¹

PROPERTY	LOCATION	CURRENT OWNER	METRIC		SOURCE
Red Lake	Ontario	Evolution Mining	Commodity	Gold	Company website, https://evolutionmining.com.au/red-lake/
			Project Stage	Production	
			Production Rate	170koz	FY24 Forecast, Red Lake Fact Sheet, https://evolutionmining.com.au/storage/2023/11/Red-Lake-fact-sheet-FY23.pdf
			Reporting Code	JORC (2012)	ASX Release titled 'Annual Mineral Resources and Ore Reserve Statement as at 31 December 2023' dated 14 February 2024. https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02772317-2A1504726&v=fc9bdb61fe50ea61f8225e24ce041a0e155a9400
			Ore Reserves	12.4Mt @ 6.9g/t for 2.7Moz	
			Mineral Resources– Measured & Indicated	32.4Mt @ 6.9g/t for 7.2Moz	
			Mineral Resources – Inferred	22.7Mt @ 6.1g/t for 4.5Moz	
			Mineral Resource - TOTAL	55.1Mt @ 6.6g/t for 11.6Moz	
			Mine Method	Underground	Red Lake Fact Sheet, https://evolutionmining.com.au/storage/2023/11/Red-Lake-fact-sheet-FY23.pdf
Company Market Capitalisation	A\$7,900	Based on share price at close on 6 September 2024. Source: ASX Website https://www.asx.com.au/markets/company/evn			

- Information is current as at 9 September 2024 (rather than at the time of the transaction). Since acquisition by Evolution Mining, the Battle North assets have been incorporated into the greater Red Lake project and are no longer reported separately.