

ADVANCING CANADA'S NEXT

HIGH-GRADE GOLD DEPOSIT

> CSE: AUOZ FRA: 9NH



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Relating to exploration, the identification of exploration targets and any implied future investigation of such targets on the basis of specific geological, geochemical and geophysical evidence or trends are future-looking and subject to a variety of possible outcomes which may or may not include the discovery, or extension, or termination of mineralization. Further, areas around known mineralized intersections or surface showings may be marked by wording such as "open", "untested", "possible extension" or "exploration potential" or by symbols such as "?". Such wording or symbols should not be construed as a certainty that mineralization continues or that the character of mineralization (e.g. grade or thickness) will remain consistent from a known and measured data point. The key risks related to exploration in general are that chances of identifying economical reserves are extremely small.

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#### **QUALIFIED PERSON, GOVERNANCE AND RISKS**

John Florek, M.SC., P.GEOL. & Michael Dufresne, M.Sc., P.Geol., P.Geol., serve as a Qualified Person, as defined by National Instrument NI 43-101, responsible for reviewing and approving the technical content of all materials publicly disclosed by Emperor Metals Inc., including the contents of this presentation.

### **ABOUT EMPEROR METALS**





& Development in Québec



High-grade gold - historical inferred Mineral Resource Estimate (MRE) of 727,000 ounces of gold at a grade of 5.42 g/t and an average thickness of 5.71 meters in 4.171 million tonnes\*

- Flagship Duquesne West Gold Project located in the heart of Rouyn-Noranda, Quebec One of the worlds most prolific, productive and safe mining jurisdictions – TIER 1 DISTRICT
- Open pit mine overlooked in the past, new open pit model shows Multi Million Oz + Au Potential on top of the existing high-grade/thick underground Au resource – presents opportunity for multiple production scenarios
- Objective is to focus drilling on the new open pit model and prove up an additional 2 3 M Oz
   Au in the open pit and sell the company to a Major in the District that needs additional mill feed
- Phase I fully funded drill program commenced May, 2023. Approx. 8,239 m completed to date holes 6-14 still coming for assays – Cost Efficient \$250 CAD per meter all in drilling/Assays
- Successful 2023 Initial drill results include
  - 10.8 m of 15.8 g/t Au, 11.7 m of 5.63 g/t Au, 10.65 m of 3.97 g/t Au, 25 m of 1.69 g/t Au
- Historical data from >\$27.5 million exploration expenditures and 110,000 + m of historical drilling
- Tight share structure: ~54M shares outstanding | ~\$6.2M CAD market cap
- Option to earn 100% ownership of the project
- AI/Machine Learning used to build the first 3D and geological models in record time. These models
  have aided Emperor Metals in successfully drilling resource expansion targets that have exceeded
  expectations with grade and thickness. Geological Model shows gold mineralization occurs in
  many rock types

### MANAGEMENT AND DIRECTORS



Management & Advisory of over 20 Public Mining Companies with extensive experience in the Public Mining Sector & Capital Markets

Principals, Directors and Advisors own 20% of Emperor and have raised >\$500 Million for projects throughout exploration, development & production phases

Management awards include TSX Venture 50<sup>TM</sup>, 2008 Developer of the year for the NW Ontario Prospectors Association

Management affiliations include BHP, Placer Dome, Barrick, Teck, Kirkland Lake & Agnico Eagle, Thesis Gold and Founders Metals

Successful track record for growing resource deposits, selling them to major and mid-tier mining companies and taking mines into production

#### JOHN FLOREK M.SC., P.GEOL.

#### **President, CEO, and Director**

+30 years of technical and senior management experience working for major and junior mining companies, including roles as Founder, VP, and Director. He has helped identify and develop significant asset value for mines and exploration projects from grass roots through to development. John has worked for several majors including, BHP, Placer Dome, Barrick, Teck, and Detour Gold/Kirkland Lake Gold/Agnico Eagle

#### **ALEX HORSLEY**

#### **Corporate Development and Director**

+18 years experience in the mining sector and capital markets with a focus on finance, marketing, management, corporate development, and communications.

Extensive network of Investment Bankers, Mining Analysts, Investment Advisors, Highnet worth investors and Mining Professionals. Founder and former CEO of Emperor Metals. Assisted in Raising >\$25 M CAD for exploration and development mining companies

#### **SEAN MAGER** B.COMM.

#### **CFO and Director**

+25 years mining sector, extensive corporate development, stakeholder relations, regulatory, financial. operating expertise and current CFO of Thesis Gold – TAU.V

# JOHN WILLIAMSON P.GEOL. Independent Director and Chairman

+35 years experience in the mining sector, chairman and founder of more than 20 successful companies in Canada and around the globe. Founder of Metals Group and Founder & Chairman of Thesis Gold – TAU.V and Founder & Director Founders Metals – FDR.V

# IAN HARRIS B.SC. ENG. – Mining Engineer

#### **Independent Director**

+25 years experience in the global mining sector, accomplished senior mining executive leading mining projects from open-pit and underground development to processing operations. Previously VP and Country Manager for Corriente which was taken over for \$690 million USD. Ian is the current COO of Thesis Gold – TAU.V

## **CAPITAL STRUCTURE**

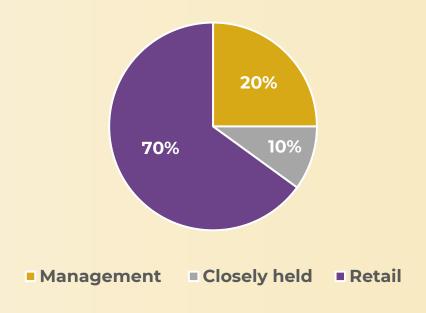
**AS OF NOV, 2023** 



### **SNAPSHOT**

Shares Outstanding	54,419,443
Working Capital	~\$500,000*
Warrants	6,696,760
Options	4,775,000
Fully Diluted	65,891,203

### **SHARE OWNERSHIP**



# **DUQUESNE WEST GOLD PROJECT**

### **EXCELLENT ACCESS TO INFRASTRUCTURE AND POWER**



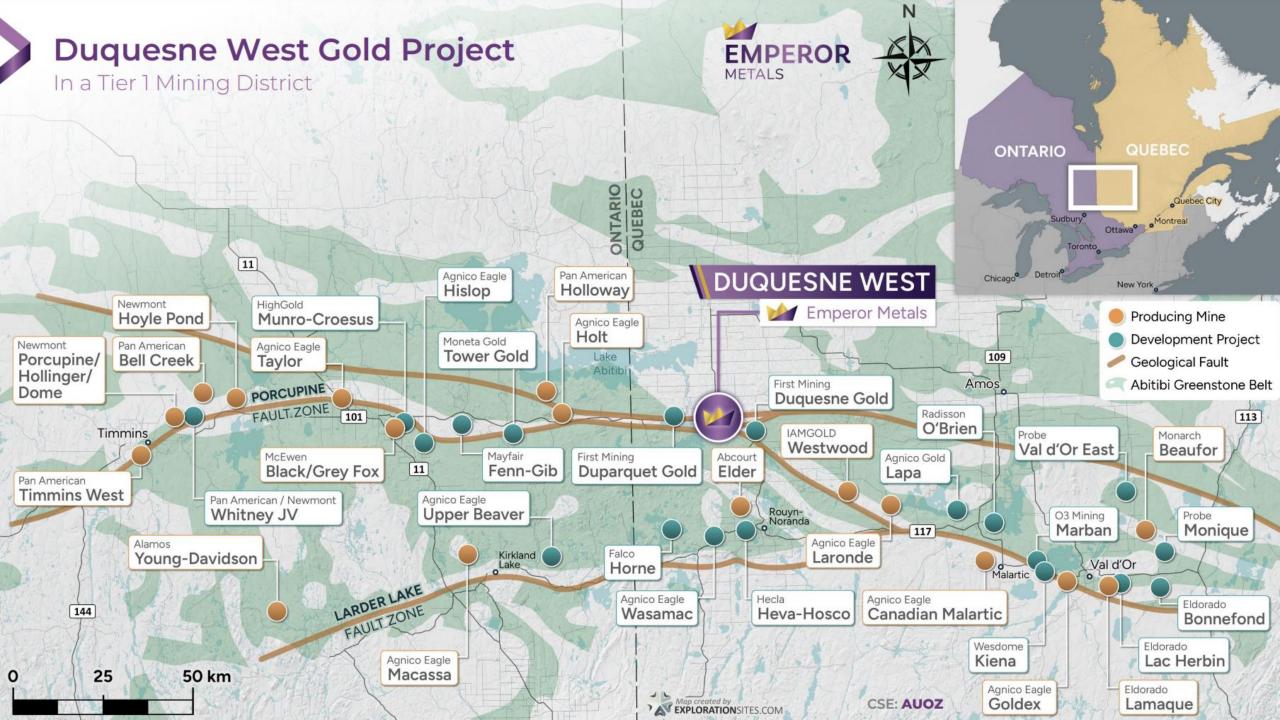
# RICH HISTORY OF PROLIFIC MINING

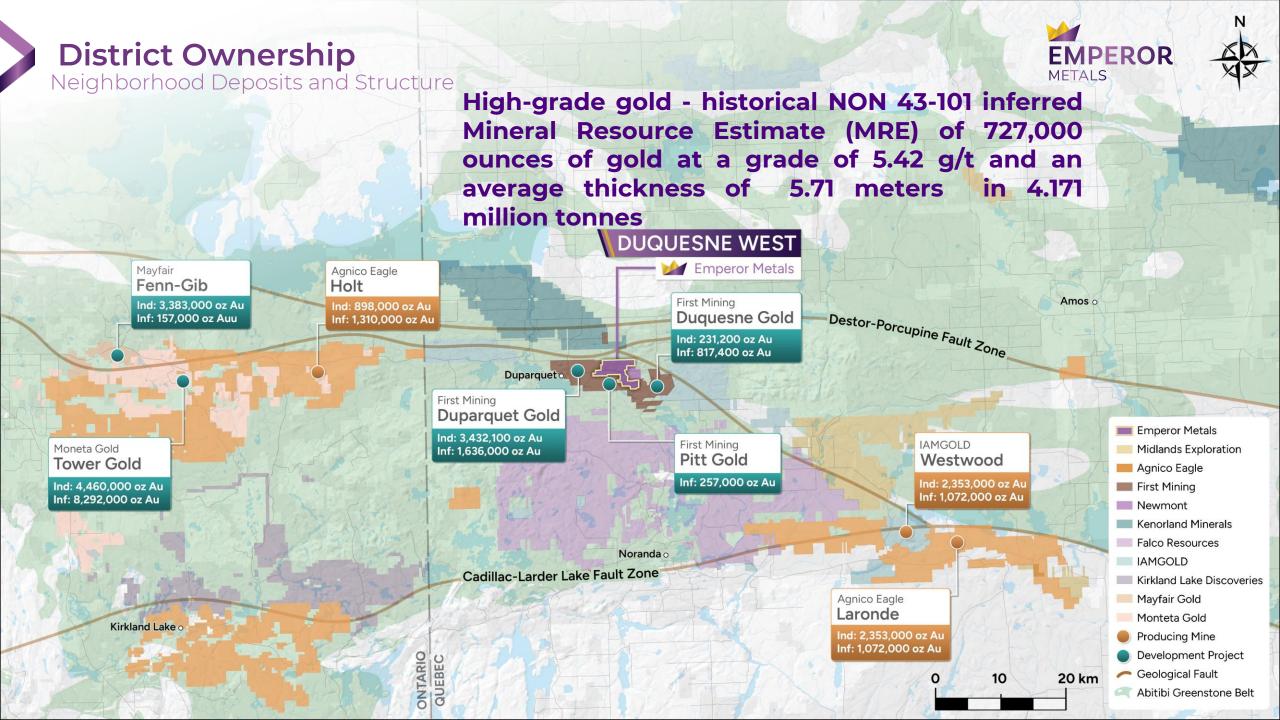
- ✓ The Abitibi Region is one of the world's most prolific gold producing districts with ~200 million ounces of gold produced to date¹
- The Porcupine-Destor fault zone (PDFZ) transects the property
- Total historical gold production from the many high-grade gold deposits along the east-west trending PDFZ exceeds 110 million ounces<sup>1</sup>

- Located in the Noranda Mining Camp surrounded by 50 historical and active mines
- Mining-friendly, low-risk and safe location
- Located near highway, power, mills, and a skilled local work force
- Government-maintained road access to the property
- Low-cost green energy solutions (Hydro-electric)
- Local Mills under capacity or sitting idle, potential toll agreements or M&A opportunities in the future

TOP TIER MINING JURISDICTION

<sup>&</sup>lt;sup>1</sup> Resident Geology Reports and Other Public Sources. Ontario Geological Survey Open File Report 6384 Report of Activities, 2021 Resident Geologist Program





### AI MACHINE LEARNING AT

### THE DUQUESNE WEST GOLD PROJECT

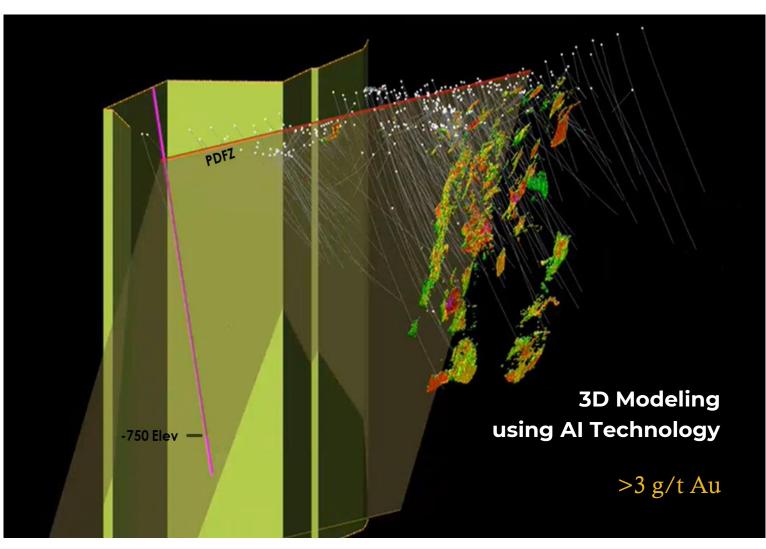


#### **Advantages of Al**

- Increased Efficiency: All automates data analysis, expediting exploration workflows and optimizing resource allocation
- Improved Accuracy and Precision: Machine learning minimizes human bias, ensuring accurate identification of mineralization patterns and structural controls
- Enhanced Resource Estimation: All and machine learning handle large datasets, enabling efficient and accurate resource calculations

#### **Emperor Metals use of A.I. to date**

- Successfully implemented AI and machine learning for the Duquense West Gold Project
- First 3D Model: Al and machine learning created a comprehensive 3D model of the deposit, improving visualization and project communication
- Geological Model and Drill Target Definition: Al algorithms interpreted data, generating a precise geological model and assisted in identifying high-priority drill targets

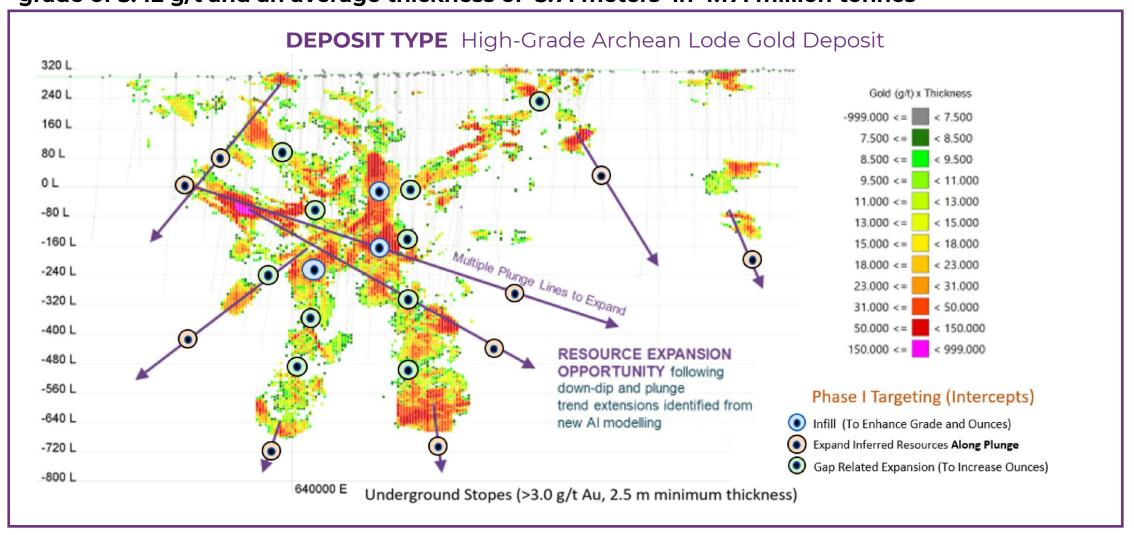


### **NEW TARGETS FROM AI MODELLING**



### Preliminary Model - Grade x Thickness (Looking North) - Long Section

High-grade gold - historical inferred Mineral Resource Estimate (MRE) of 727,000 ounces of gold at a grade of 5.42 g/t and an average thickness of 5.71 meters in 4.171 million tonnes



### **OPEN PIT CONCEPT**

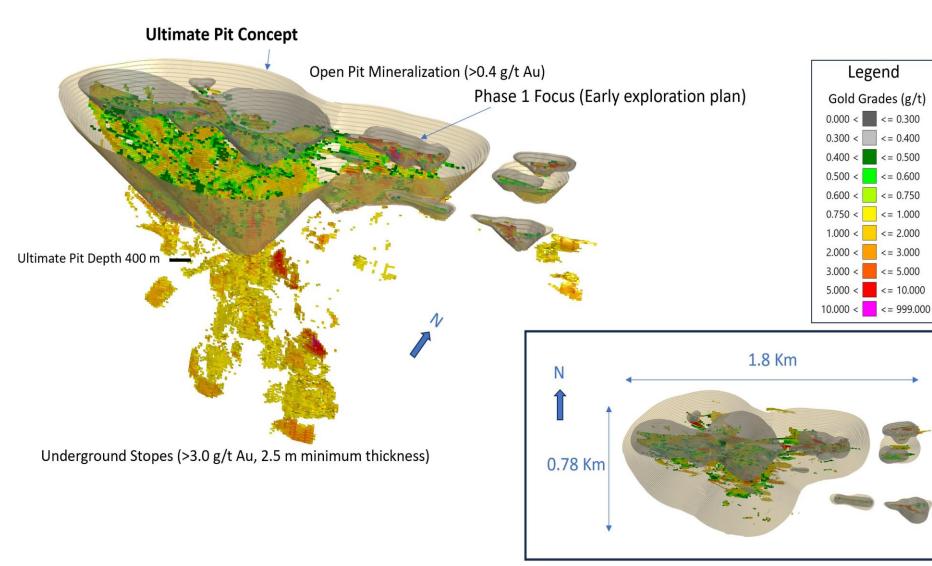
# EMPEROR METALS

#### SHOWING BOTH PHASE I AND ULTIMATE PIT SCENARIO

High-grade gold - historical inferred Mineral Resource Estimate (MRE) of 727,000 ounces of gold at a grade of 5.42 g/t and an average thickness of 5.71 meters in 4.171 million tonnes

Due to multiple zones of mineralization of both high-grade and lower grade bulk tonnage we have focused our remaining drilling towards the open pit concept that has been envisioned over the 2023 summer drilling program.

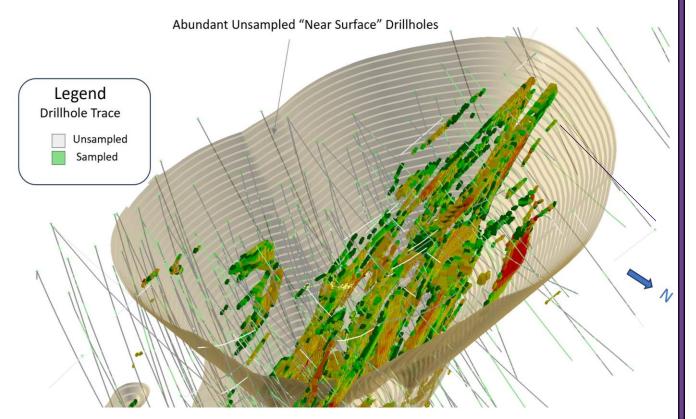
Future Drilling will focus on primarily the open pit mine with the intention of proving up 2 – 3 + million ounces within it. Potential for open pit mine production and underground mine production after open pit is exhausted by building a ramp.



### **OPEN PIT CONCEPT**

### HISTORICAL DRILLHOLES (DDH) IN OPEN PIT

It is estimated that up around 70% of historical drill core from surface to 500 meters is unsampled/assayed because they overlooked the open pit potential. We plan to send historic core for assays



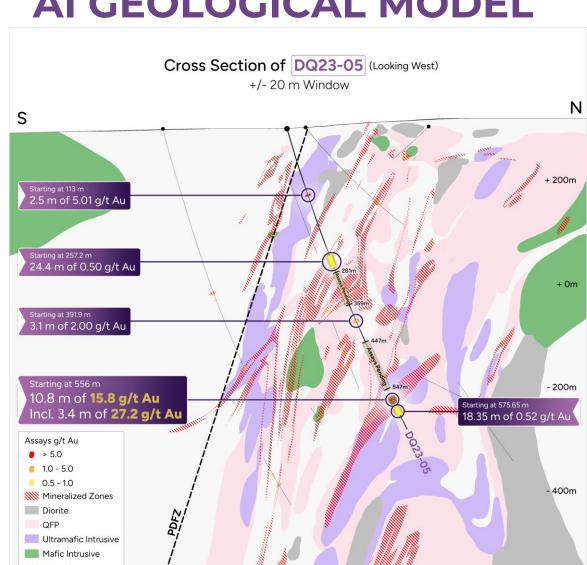
Historical Drillholes (DDH) in Open Pit, showing lack of sufficient sampling for proper resource characterization





Unassayed Quartz-Feldspar-Porphyry (QFP) in Open Pit environment

### AI GEOLOGICAL MODEL



-600m

PDFZ Porcupine Dextor

200m

Fault Zone



- First Ever Geological Model on Property (Al Developed)
- Illuminates' competency contrast for previously unrecognized additional mineralized zones/targets
- Enlightens the controls to mineralization, with better targeting
- Helps in the understanding to resource expansion
- Image shows the AI GEOLOGICAL MODEL and drill hole DQ 23-05 highlighting 10.8 m of 15.8 g/t Au incl. 3.4 m of 27.2 g/t Au
- Gold mineralization within many rock types showing widespread gold mineralization and potential for significant resource expansion

### PHASE I ASSAYS AND CORE

**SUMMER 2023 DRILLING - DQ23-01 & DQ23-05** 





Representation of mineralized & altered core from DQ23-01 (11.7 m of 5.63 g/t Au) core depth of 531.3 m



Representation of mineralized & altered core from DQ23-05 (10.8 m of 15.8 g/t Au (includes 3.4 m of 27.24 g/t Au)) – core depth of 563 m

### PHASE I ASSAYS AND CORE

### **SUMMER 2023 DRILLING – DQ23-02**





Representation of mineralized and altered core from DQ23-02 (10.65 m of 3.97g/t Au (includes 5.0 m of 5.34 g/t Au))- core depth of 540.25 m



Representation of mineralized and altered porphyry core from DQ23-02 (25.0 m of 1.69 g/t Au); bottom of hole ended in mineralization and this zone is subsequently being extended by additional drilling. – core depth of 814 m

# LONG SECTION OF DQ-23-05 INTERCEPT



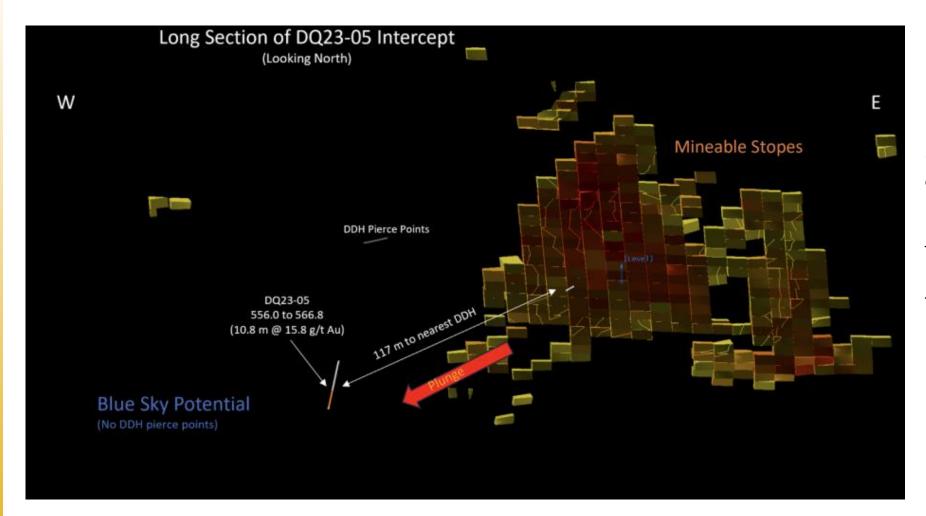


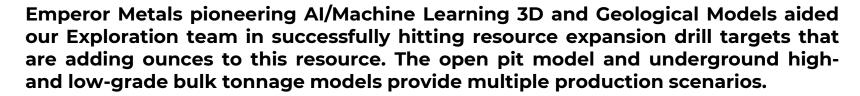
Figure showing DQ23-05 intercept-expanding ounces +100 meters along plunge of deposit

This intercept adds ounces & mineable stopes along this trend

Exciting 2024 follow up drilling on this target!

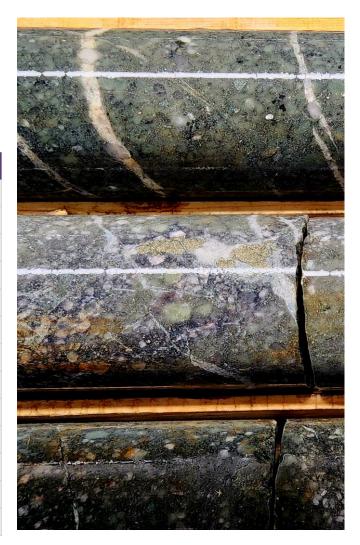
### **2023 DRILLING HIGHLIGHTS**

### **Drill Highlights from Sept 12th and Oct 17th Assays**



Hole No.	From (m)	To (m)	Interval (m)	Au (g/t Au)	Resource Expansion Target
DQ23-01	661.8	663.85	4.15	2.77	Underground expansion
DQ23-01	531.3	543	11.7	5.63	Underground expansion
DQ23-02	540.25	550.9	10.65	3.97	Underground expansion
DQ23-02	677.1	679.6	2.5	2.69	Underground expansion
DQ23-02	814	839	25	1.69	Underground bulk tonnage
DQ23-03	941.2	943.2	2	6.14	Underground expansion
DQ23-04	318.5	336	17.5	0.45	Open pit expansion
DQ23-04	433.7	436.45	2.75	6.23	Underground expansion
DQ23-04	449	452	3	4.24	Underground expansion
DQ23-05	556	566.8	10.8	15.85	Underground expansion
DQ23-05	133	135.5	2.5	5.01	Open pit expansion
DQ23-05	257.2	281.6	24.4	0.5	Open pit expansion
DQ23-05	391.9	395	3.1	2	Open pit expansion



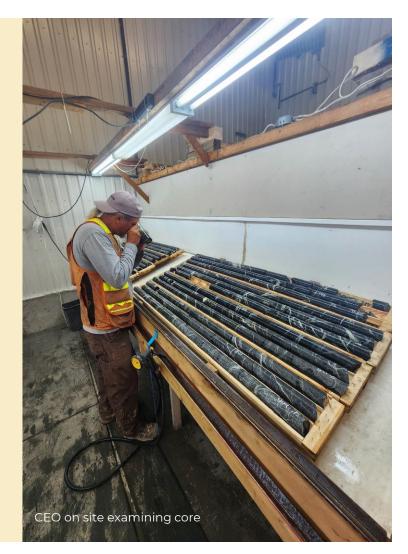


### PHASE I DRILLING RESULTS

#### **INITIAL ASSAYS**



- ✓ The grade and thickness seen in DQ23-01 and DQ23-05 exceed the average thickness and grade of the deposit, exhibiting bulk minable widths and grade continuity within the zone and with other intercepts of mineralization, which suggests there may be potential for future mining
- Assays for holes DQ23-01 DQ23-05 have increased confidence to add ounces, Potential to grow the Historical Resource of 727,000 ounces of gold at a grade of 5.42 g/t Au.
  - Approximately 8,239 metres completed to date, additional assays pending. Complete assasys of holes 1 and 2, partial results holes 3-5, holes 6-14 still to come back from assays



## **EXAMPLE OF POTENTIAL STOPE GRADE AND THICKNESS**



GRADE (Au, g/t)	STOPE THICKNESS (m)
22.043	5.40
16.255	11.11
15.860	11.38
15.669	11.37
15.399	14.68
14.249	14.75
13.991	16.81
13.701	19.41
13.701	19.41
12.854	15.76
7.381	17.13
6.661	17.85
5.256	20.80

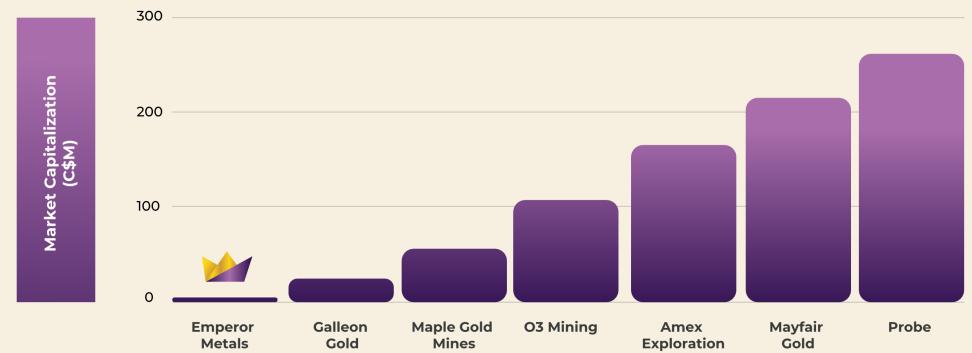
#### **CRITERIA USED**

- Minable Shape Optimizer (MSO) used Gold Cutoff of 3 g/t Au and Gold Cap of 30 g/t Au
- Minimum dimensions 2.5 m (width) x 8 m (length) x 4 m (height)
- We used ID3 (Inverse Distance Cubed) for estimation in the Al modeled grade shells



### **COMPANY COMPARABLE ANALYSIS**





PROJECT	<b>Duquesne West</b>	West Cache	Douay	Marban	Perron	Fenn-Gib	Novador
LOCATION	Rouy-Noranda	Timmins	Val'Or	Marban	Rouyn-Noranda	Timmins	Val'Or
	Quebec	Ontario	Quebec	Quebec	Quebec	Ontario	Quebec
STAGE	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
	Exploration	Exploration	Exploration	Exploration	Exploration	Exploration	Exploration

### **OPTION AGREEMENT TO EARN**



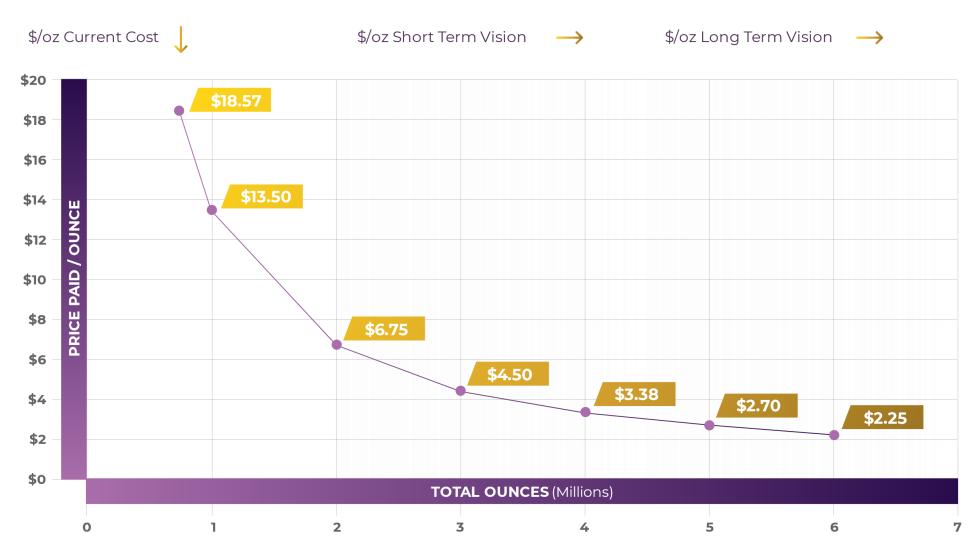
### **100% Interest Duquesne West**

Year	Due Date	Cash	Shares	Work Commitment	Work Commitment Date
0	Agreement Signing	<del>\$500,000</del>	1,500,000	<del>\$250,000</del>	<del>Oct 1, 2023</del>
1	Anniversary Date Dec 27th, 2023	\$500,000	1,500,000	<del>\$750,000</del>	<del>Oct 1, 2024</del>
2	Anniversary Date	\$500,000	1,500,000	<del>\$1,250,000</del>	<del>Oct 1, 2025</del>
3	Anniversary Date	\$1,000,000	3,000,000	\$2,000,000	Oct 1, 2026
4	Anniversary Date	\$2,500,000	3,500,000	\$3,250,000	Oct 1, 2027
5	Anniversary Date	\$5,000,000	4,000,000	\$4,500,000	Oct 1, 2028
Total		\$10,000,000	15,000,000	\$12,000,000	

3.00% GMR with buydown to 2.00% for \$1M CAD or pro rata; Globex covers existing 1% NSR, and a first right of refusal should Globex decide to sell the remaining 2% GMR.

# **OPTION AGREEMENT COST/OUNCE - CAD**











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