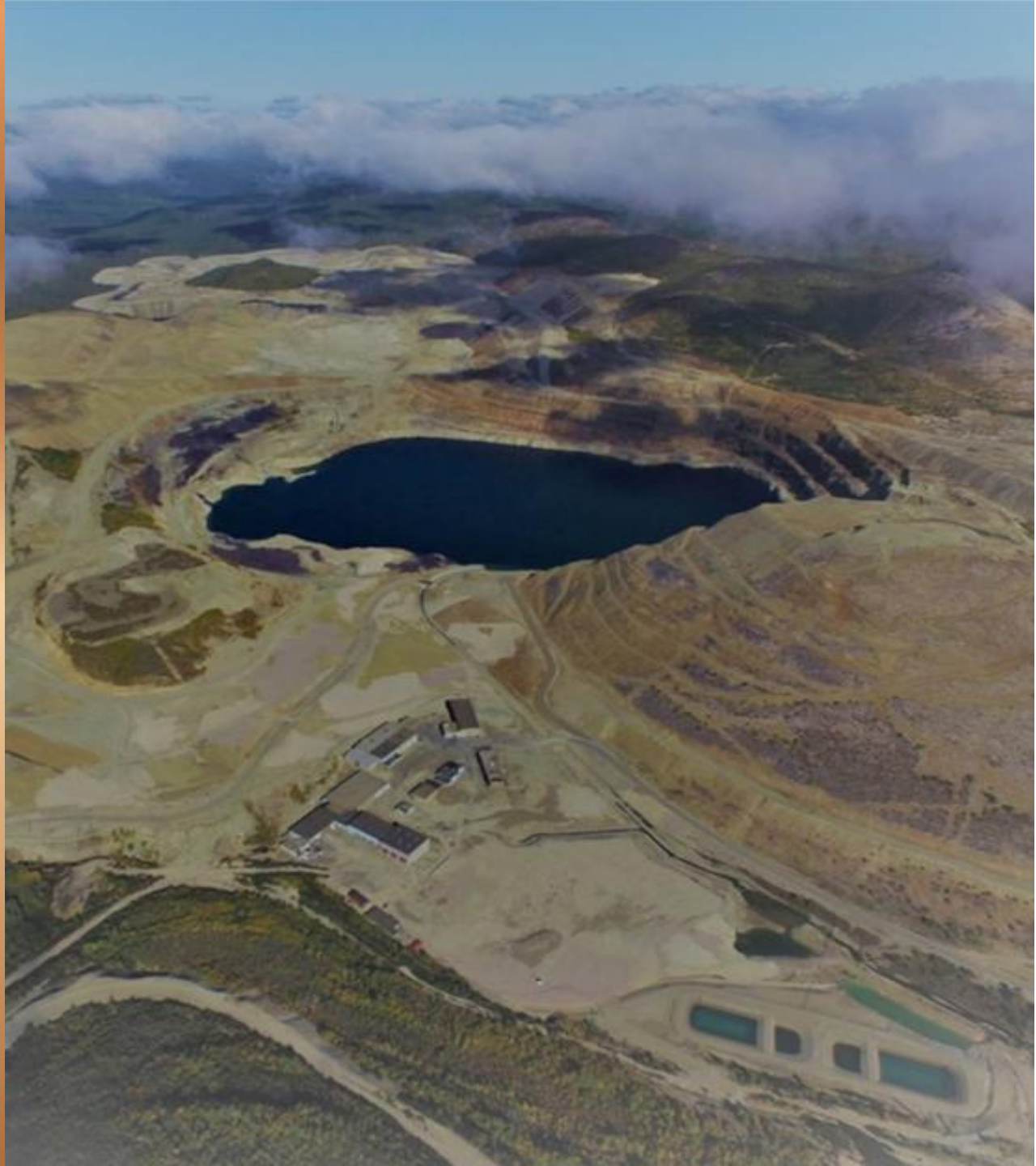




Canada's Leading Copper
Development Company

May 2025



Forward-looking statements and cautionary notes regarding technical information



This presentation (the "Presentation") contains "forward-looking information" within the meaning of applicable Canadian securities legislation. These "forward-looking information" are based on the expectations, estimates and projections of Osisko Metals Incorporated ("Osisko Metals" or the "Company") as at the date of this Presentation and involve known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these forward-looking information. Any statement that involves predictions, expectations, interpretations, beliefs, plans projections, objectives, assumptions, future events or performance (often, but not always, using phrases such as "expects", or "does not expect", "is expected", "interpreted", management's view", "anticipates" or "does not anticipate", "expects", "plans", "budget", "scheduled", "forecasts", "estimates", "potential", "feasibility", "believes" or "intends" or variations of such words and phrases or stating that certain actions, events or results "may" or "could", "would", "might" or "will" be taken, occur or be achieved) are not statements of historical fact and may be forward-looking information and are intended to identify forward-looking information. This Presentation contains forward-looking information pertaining to, among other things: the cost of and ability to finance the Gaspé Copper Project to a construction decision (if at all); the ability to realize upon any mineralization in a manner that is economic; the capital resources available to Osisko Metals; the ability of the Company to execute its planned activities, including as a result of its ability to seek additional funding or to reduce planned expenditures; the ability of the Company to obtain future financing and the terms of such financing; the impact of Osisko Metals' leadership team; management's perceptions of historical trends, current conditions and expected future developments; the utility and significance of historic data, including the significance of the district hosting past producing mines; the ability for the Company to unlock the full potential of its assets and achieve success; the ability for the Company to create value for its shareholders; net zero emission goals; the demand and supply of copper; the ability of the Pine Point Project to produce one of the cleanest and highly sought after zinc concentrates in the world; the Gaspé Copper Project being one of the largest undeveloped copper deposits in North America; the results and assumptions underlying the mineral resource estimates on the Pine Point Project and the Gaspé Copper Project; the results (if any) of further exploration work to define and expand mineral resources; the ability of exploration work (including drilling) to accurately predict mineralization; the ability to generate additional drill targets; the ability of management to understand the geology and potential of the Company's properties; the ability of the Company to expand mineral resources beyond current mineral resource estimates; category conversion; the timing and status of permitting; the expectation that the Company's projects will be a robust operation and profitable at a variety of prices and assumptions; the expected excellent quality of the Gaspé Copper concentrates; the potential impact of the Company's projects in local communities and the social acceptability of the projects; sustainability and environmental impacts of operations at the Company's properties; the ability of the Company to complete its exploration and development objectives for its projects in the timing contemplated and within expected costs (if at all), including the timing and ability of the Company, if at all, to complete its anticipated 2025 drill program, preliminary economic program and feasibility program and permitting at the Gaspé Copper Project; future mining activities; and any other information herein that is not a historical fact may be "forward looking information".

Forward-looking information is not a guarantee of future performance and is based upon a number of estimates and assumptions of management, in light of management's experience and perception of trends, current conditions and expected developments, as well as other factors that management believes to be relevant and reasonable in the circumstances, including, without limitation, assumptions about: favourable equity and debt capital markets; the ability to raise any necessary additional capital on reasonable terms to advance the development of its projects and pursue planned exploration; favourable future prices of copper, zinc and lead; the timing and results of exploration and drilling programs; the accuracy of mineral resource estimates; the accuracy of production costs estimates; operating conditions being favourable; political and regulatory stability; the receipt of governmental and third party approvals in a timely manner; licences and permits being received on favourable terms and in a timely manner; sustained labour stability; stability in financial and capital markets; availability of equipment; and positive relations with local stakeholders.

Forward-looking information involves risks, uncertainties and other factors that could cause actual events, results, performance, prospects and opportunities to differ materially from those expressed or implied by such forward-looking information. Factors that could cause actual results to differ materially from such forward-looking information include, but are not limited to, risks relating to the ability of exploration activities (including drill results) to accurately predict mineralization; errors in management's geological modelling; capital and operating costs varying significantly from estimates; the preliminary nature of metallurgical test results; delays in obtaining or failures to obtain required governmental, environmental or other project approvals; Osisko Metals' history of losses and negative cash flow; uncertainties relating to the availability and costs of financing needed in the future; changes in equity markets; inflation; the global economic climate; fluctuations in commodity prices; the ability of Osisko Metals to complete further exploration activities, including drilling; delays in the development of projects; environmental risks; community and non-governmental actions; other risks involved in the mineral exploration and development industry; the ability of Osisko Metals to retain its key management employees and skilled and experienced personnel; and those risks set out in the Company's public documents filed on SEDAR+ at www.sedarplus.ca. Although the Company believes that the assumptions and factors used in preparing the forward-looking information in this Presentation are reasonable, undue reliance should not be placed on such information, which only applies as of the date of this Presentation, and no assurance can be given that such events will occur in the disclosed time frames or at all. The Company disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, other than as required by law.

The information herein is not for distribution and does not constitute an offer to sell or the solicitation of any offer to buy any securities in the United States of America or to or for the benefit of any US Person as such term is defined under the United States Securities Act of 1933, as amended. Reference to historical production in the vicinity of Osisko Metals properties in this Presentation does not imply that any future mineral resources or discoveries will be of economic viability, nor does it imply that additional discoveries will be made.

CAUTION REGARDING MINERAL RESOURCE ESTIMATES

This Presentation uses terms such as "measured mineral resources", "indicated mineral resources", and "inferred mineral resources" as a relative measure of the level of confidence in the resource estimate. Readers are cautioned that mineral resources are not economic mineral reserves and that the economic viability of mineral resources that are not mineral reserves has not been demonstrated. Mineral resource estimates may be materially affected by geology, environmental, permitting, legal, title, socio-political, marketing or other relevant issues. However, other than as disclosed in this Presentation, Osisko Metals is not aware of any known environmental, permitting, legal, title, socio-political, marketing or other relevant issues that could materially affect the estimates of mineral resources disclosed herein. It cannot be assumed that all or any part of an inferred mineral resource will ever be upgraded to the category of indicated mineral resource or measured mineral resource. The mineral resource estimate is classified in accordance with the Canadian Institute of Mining, Metallurgy and Petroleum's CIM Definition Standards on Mineral Resources and Mineral Reserves adopted in 2019 and incorporated by reference into National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101"). Under Canadian rules, estimates of inferred mineral resources may not form the basis of feasibility or pre-feasibility studies or economic studies except for a preliminary economic assessment as defined under NI 43-101. Readers are cautioned not to assume that further work on the stated resources will lead to mineral reserves that can be mined economically.

SCIENTIFIC AND TECHNICAL INFORMATION

Scientific and technical information in this Presentation relating to the Gaspé Project is supported by the technical report entitled "NI 43-101 Technical Report on the Gaspé Copper Project with an Updated Mineral Resource Estimate for the Copper Mountain Deposit, Quebec, Canada" dated December 27, 2024 (effective date November 4, 2024) prepared by Pierre-Luc Richard, P. Geo., Francois Le Moal, P. Eng., and Christian Laroche, P. Eng. (the "Gaspé Technical Report"). Each author of the Gaspé Technical Report is a "qualified person" within the meaning of NI 43-101 and considered to be "independent" of Osisko Metals for the purposes of Section 1.5 of NI 43-101. Please see the full text of the Gaspé Technical Report for assumptions, qualifications and limitations relating to the disclosure about the mineral resource estimate on the Gaspé Project. An electronic copy of the Gaspé Copper Project Technical Report is available on SEDAR+ (www.sedarplus.ca) under Osisko Metals' issuer profile.

QUALIFIED PERSON

The qualified person for the technical and scientific information included in this presentation is Jeff Hussey, P. Geo., director of Osisko Metals.

Gaspé Copper: one of North America's largest undeveloped copper projects with infrastructure in place



GASPÉ COPPER PROJECT

Current in-pit resource*

- Indicated: 824 Mt @ 0.34% CuEq
- Inferred: 670 Mt @ 0.38% CuEq

*see NI43-101 compliant table in Appendix

TSXV: OM | OTCQX: OMZNF | FRA: OB51



Experienced Canadian mining team with track record of delivering shareholder returns



JOHN BURZYNSKI
EXECUTIVE CHAIRMAN



ROBERT WARES
CHIEF EXECUTIVE OFFICER



DONALD NJEGOVAN
PRESIDENT

CANADIAN MALARTIC: 20M oz Au
Canada's largest
gold mine

Acquired: 2014
C\$4.3B

YAMANAGOLD

MARBAN: 3M oz Au
Canadian Malartic
satellite

Acquired: 2025
C\$200M

AGNICO EAGLE

WINDFALL: 8M oz Au
Quebec's highest grade
gold discovery



GOLD FIELDS

Acquired: 2025
C\$2.2B

Institutions and strategic investors own approximately 80% of the shares outstanding

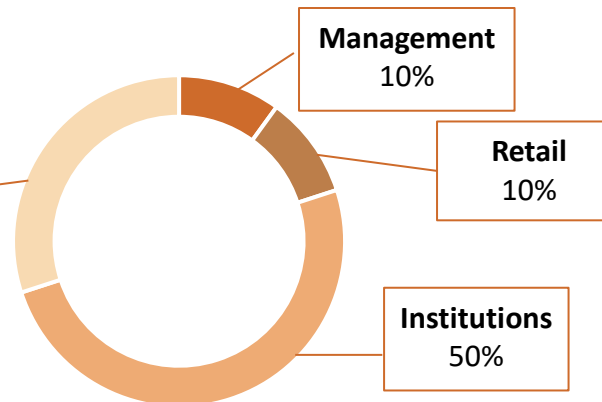
TSXV: OM | OTCQX: OMZNF | FRA: OB51

Shares outstanding	609.6M
Market capitalization	C\$232M
Cash	C\$100M
Glencore convertible debenture	C\$40M

SHARE OWNERSHIP

Strategic investors 30%

- Appian
- Franco-Nevada
- Gold Fields
- Glencore
- OR Royalties
- Large Canadian Mining Co.
- CDPQ



Franco-Nevada



GOLD FIELDS

GLENCORE



RESEARCH COVERAGE

Canaccord Genuity
Peter Bell, Steve Searles



Hannam & Partners
Roger Bell, Jonathan Guy



National Bank Financial
Rabi Nizami



Scotiabank
Eric Winmill, Ovais Habib

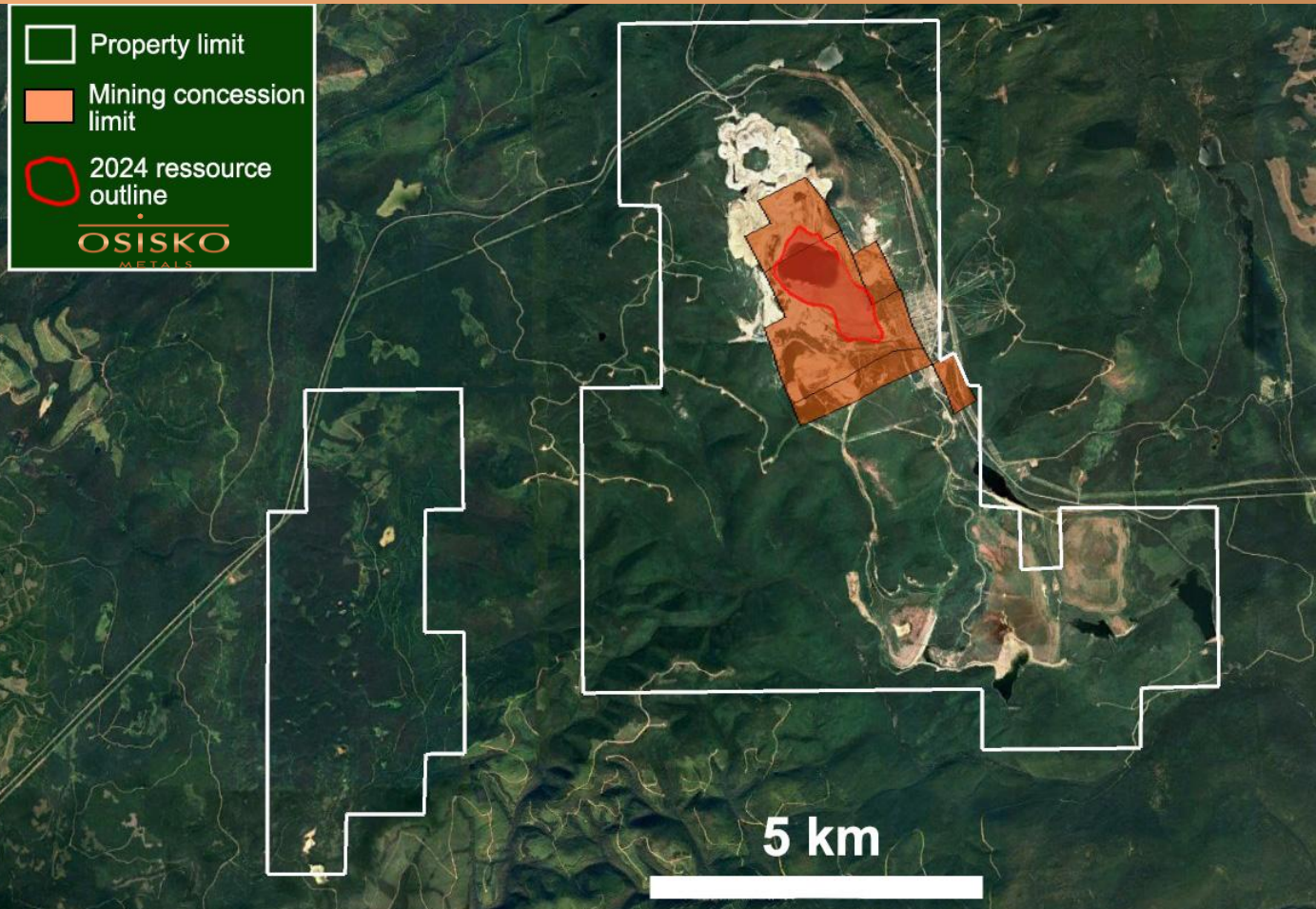


Velocity Trade Capital
Paul O'Brien



Consensus target price: **C\$1.10**

Gaspé Copper 2025: minimum 110,000 metre drill program



Fully-funded 110,000-metre drill program with 7 rigs turning aimed at:

- converting existing resources into the indicated and measured resource categories
- testing potential expansion of the resources:
 - to 250 metres below the current resource volume
 - further south toward Needle East Mountain
- further characterizing higher grade skarn zones (0.5%-3.0% Cu)
- validating new geological models

Gaspé Copper today is a reclaimed site after C\$150M in closure reclamation costs

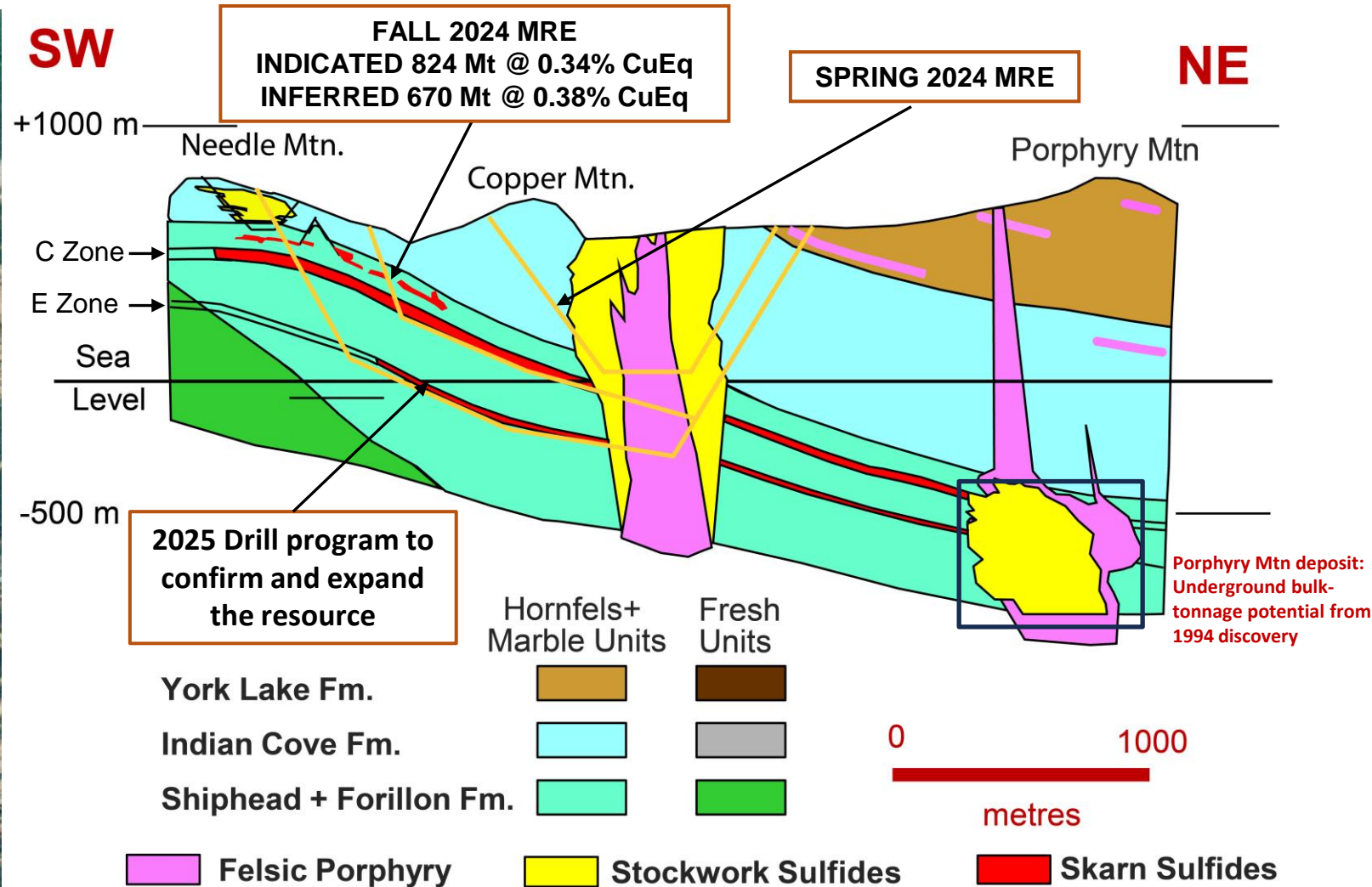
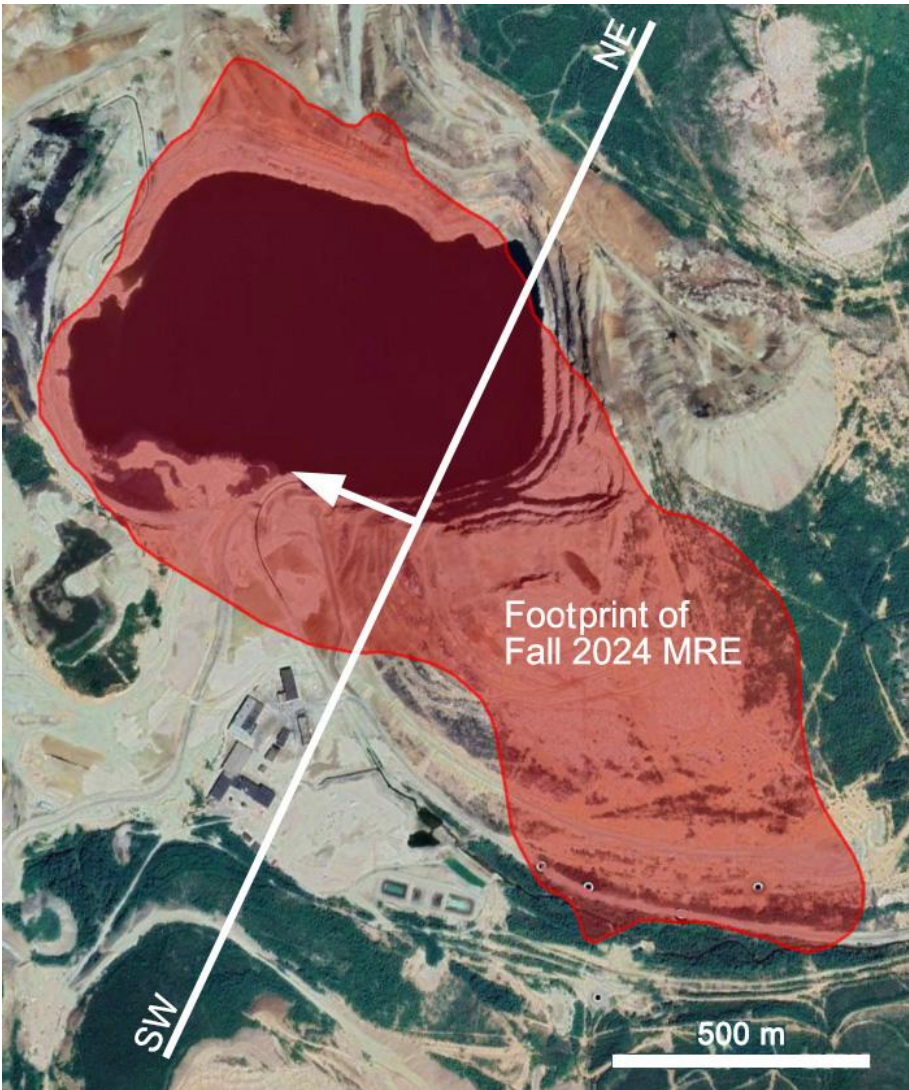


Gaspé Copper produced more than 141 Mt at 0.9% copper over 44 years from underground galleries and open pit

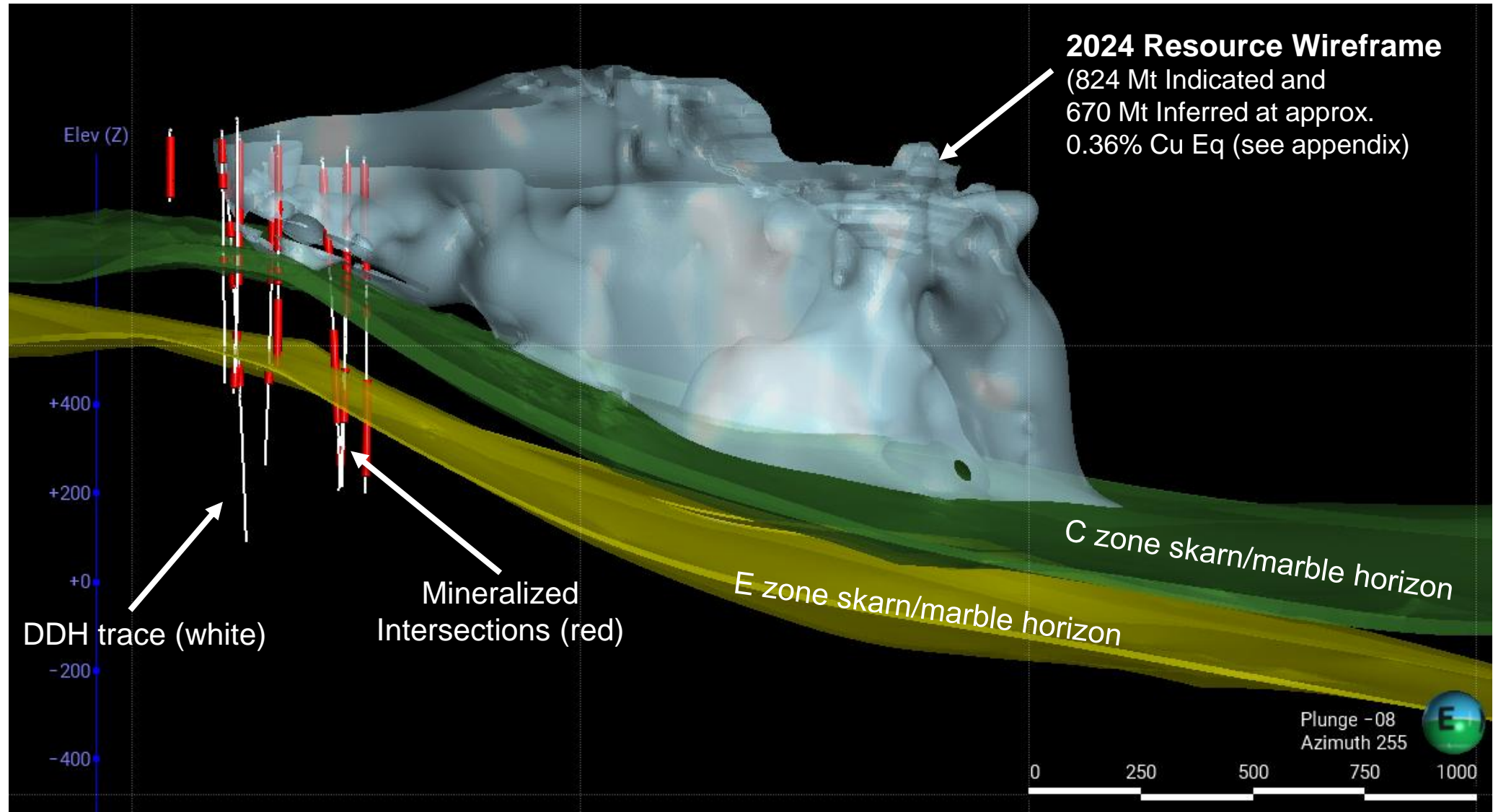


Gaspé Copper Geology

Geological Cross Section (Looking NW)



Gaspé Copper Geology: 3D view of 2024 resource model and current drilling (looking west)



Metal recoveries de-risked thanks to 44-year production history and superior results on 2024 metallurgical tests



Initial metallurgical tests point to potential production of clean copper and molybdenum concentrates with excellent metal grades:

- 92%—94% copper recoveries with concentrate grades of 24%-28% copper
- 65%-70% molybdenum recoveries with concentrate grades of 59% molybdenum
- 70% silver recoveries; payable silver credit added to the copper concentrates
- Offtake copper agreement with Glencore; pending agreement for molybdenum (see appendix)

A responsible mining project focused on sustainable development and respect for host communities



Key strategies include:

- Implementing comprehensive engagement strategies for local communities, First Nations, and other stakeholders
- Government of Québec leading a pilot project designed to maximize economic benefits for the region
- Characterization of physical, biological, and human environments
- Collaborating with stakeholders to develop mine impact mitigation measures
- Establishing a technical advisory committee with local stakeholders for pit dewatering

A seven-year timeline to potential mine start-up

2022-2024

- ✓ July 2023: closing of Gaspé Copper acquisition
- ✓ 42,000 metre definition drilling
- ✓ MRE

2025-2028

- Environmental and socio-economic impact studies
- 110,000-metre drill program in 2025
- MRE/PEA ('26) and FS ('27)

2029

- Public hearings
- Permit issuance
- Final investment decision

2030-2031

- Project financing and construction

2032

Potential start of production

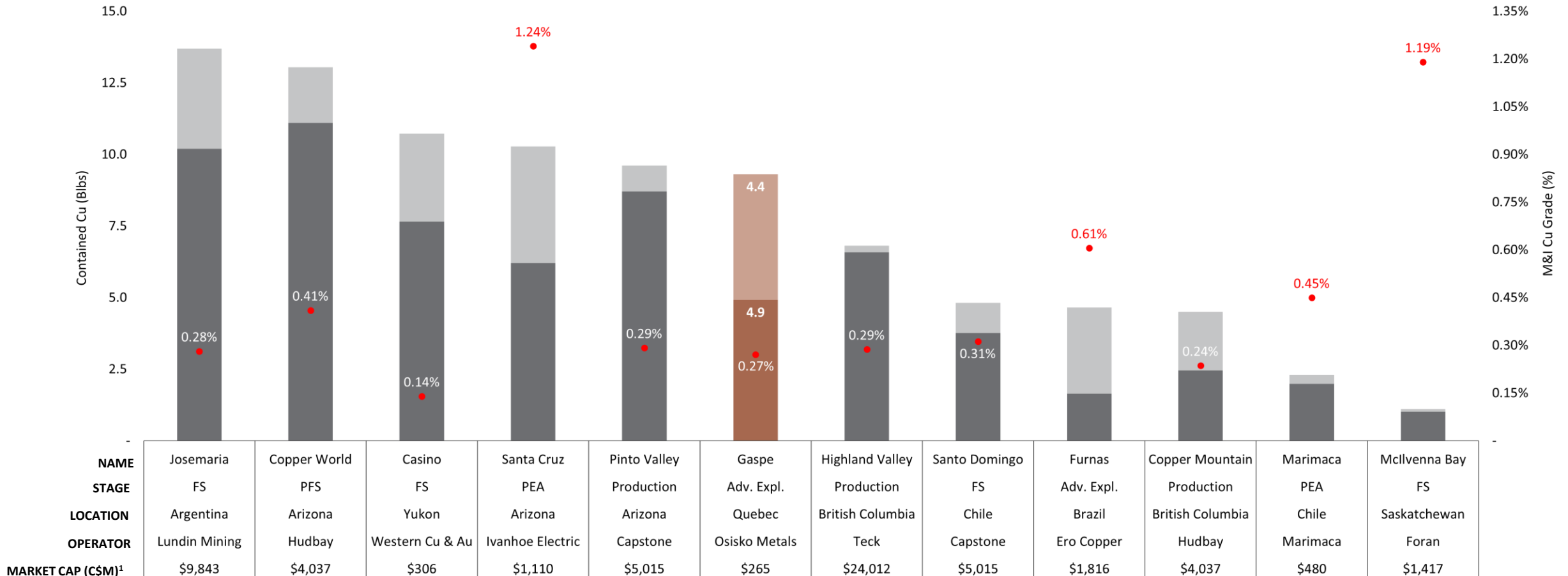


World-class copper assets: Gaspé Copper compares favourably and has room to grow

Copper Resources (Cu Blbs) & Grade (M&I % Cu)

■ M&I Resources (Cu) ■ Inferred Resources (Cu) ● M&I Cu Grade (%)

Source: Canaccord Genuity, Company Disclosures, CapIQ



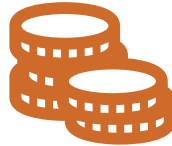
¹ Market data as of May 5, 2025

Osisko Metals:

Canada's next leading copper development company



Led by a senior multi-disciplinary team with a proven track record of discovery, development, finance, building and operating, and high shareholder returns



Strong balance sheet with closing of \$107M bought-deal financing – fully financed to advance Gaspé Copper to final investment decision



Gaspé Copper is one of the largest undeveloped copper deposits in North America



Located on a brownfield site near essential infrastructure in Québec – a Tier One mining jurisdiction, according to Fraser Institute



Project fast-tracking in 2025 with 110,000-metre drill program launched in early February; PEA expected to be released in 2026



Appendices

Gaspé Copper Acquisition with Glencore Canada



Option Terms	
Price to Pay upon Exercise of Option	US\$25,000,000 through issuance of a convertible note.
Convertible Note	The note will be convertible by Glencore into units of Osisko Metals at a price of \$0.40 per unit. Each unit will consist of one share and a half-warrant. Each whole warrant will entitle Glencore to acquire one common share of Osisko Metals at a price of \$0.46 per share for a period of 3 years.
Milestone Payment	US\$20,000,000 upon commercial production
Work Commitment	C\$55,000,000 in exploration and development expenditures, including permitting expenditures, over a period of four years to get project to FID.
Royalty	1% on Copper Mtn.; 3% on all other mineral products extracted from the property
Other	Glencore will retain a commercially reasonable offtake for 100% of all concentrates produced

New in-pit Indicated Resource outlines largest undeveloped Cu-Mo deposit in Eastern North America



NI 43-101 Mineral Resource Estimate (base case at 0.12% copper cut-off)

Class	Tonnes Mt	Copper equivalent %	Copper %	Copper M lbs	Copper kt	Molybdenum %	Molybdenum M lbs	Molybdenum Kt	Silver g/t	Silver Koz
Indicated	824	0.34	0.27	4,907	2,225	0.015	274	124	1.74	46,027
Inferred	670	0.39	0.30	4,389	1,990	0.020	294	133	1.37	29,493

Notes:

- The independent qualified persons for the MRE, as defined by National Instrument ("NI") 43-101 guidelines, is Pierre-Luc Richard, P.Geo., of PLR Resources Inc. with contributions from François Le Moal, P.Eng., of G-Mining for cut-off grade and Pit shell optimization, and Christian Laroche, P.Eng., from Synectic, for metallurgical parameters. The effective date of the MRE is November 4, 2024.
- These Mineral Resources are not mineral reserves as they have no demonstrated economic viability. No economic evaluation of these Mineral Resources has been produced. The quantity and grade of reported Inferred Resources above are uncertain in nature and there has been insufficient drilling to define these Inferred Resources as Indicated or Measured. However, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated with continued exploration.

Mineral Resource Estimates at Variable Cut-Off Grades

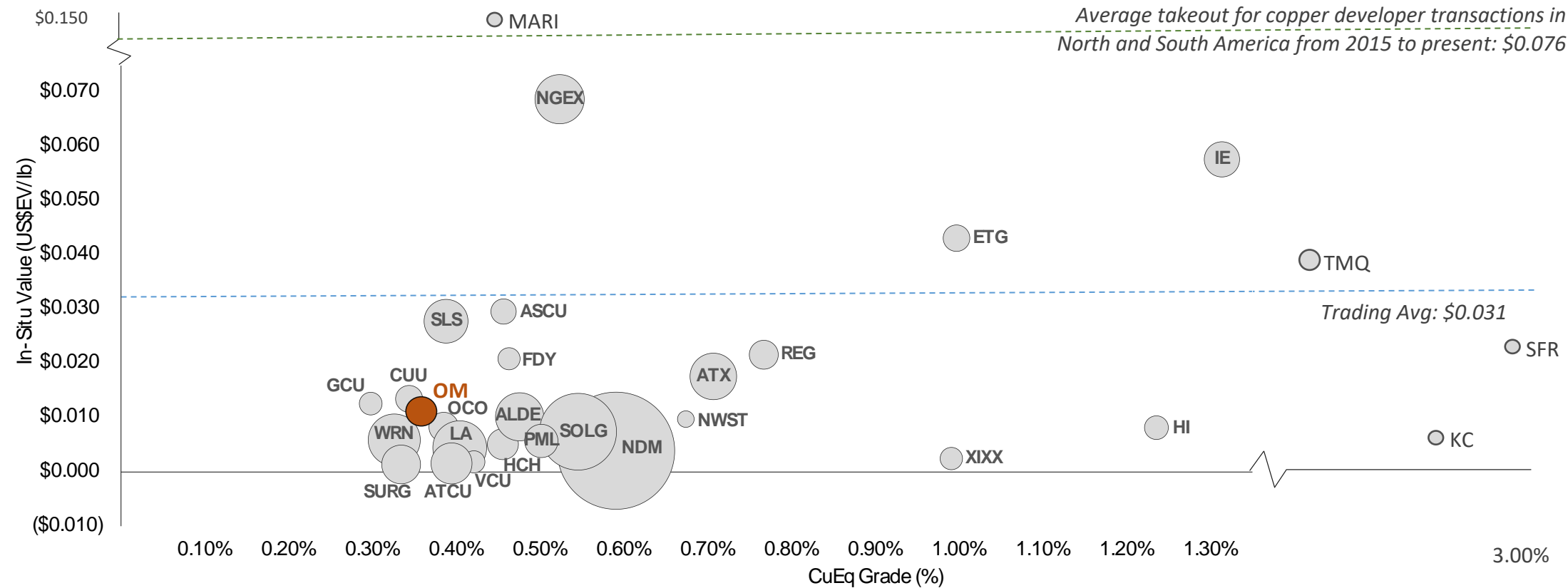
Class	Cu Cut-off (%)	Tonnage (Mt)	Strip Ratio	Grade Cu %	Grade Mo %	Copper Metal Resource M lbs	Copper Metal Resource kt
Indicated	0.12	824	1.53	0.27	0.015	4,907	2,225
Inferred	0.12	670	1.53	0.30	0.020	4,389	1,990
Indicated	0.15	696	1.93	0.29	0.016	4,528	2,053
Inferred	0.15	593	1.93	0.32	0.021	4,159	1,886
Indicated	0.20	510	2.84	0.34	0.019	3,811	1,728
Inferred	0.20	474	2.84	0.35	0.022	3,699	1,678
Indicated	0.30	245	6.26	0.44	0.022	2,376	1,078
Inferred	0.30	275	6.26	0.43	0.025	2,617	1,187
Indicated	0.40	120	14.31	0.54	0.025	1,428	648
Inferred	0.40	127	14.31	0.53	0.025	1,488	675

**Higher grade sub-resource:
520 Mt @ 0.54% CuEq**

Several large-scale, multi-decade deposits are trading at discounted valuations and poised for a re-rating



Copper EV/lb vs. grade and total resource | Bubble size = M&I + Inferred Resource

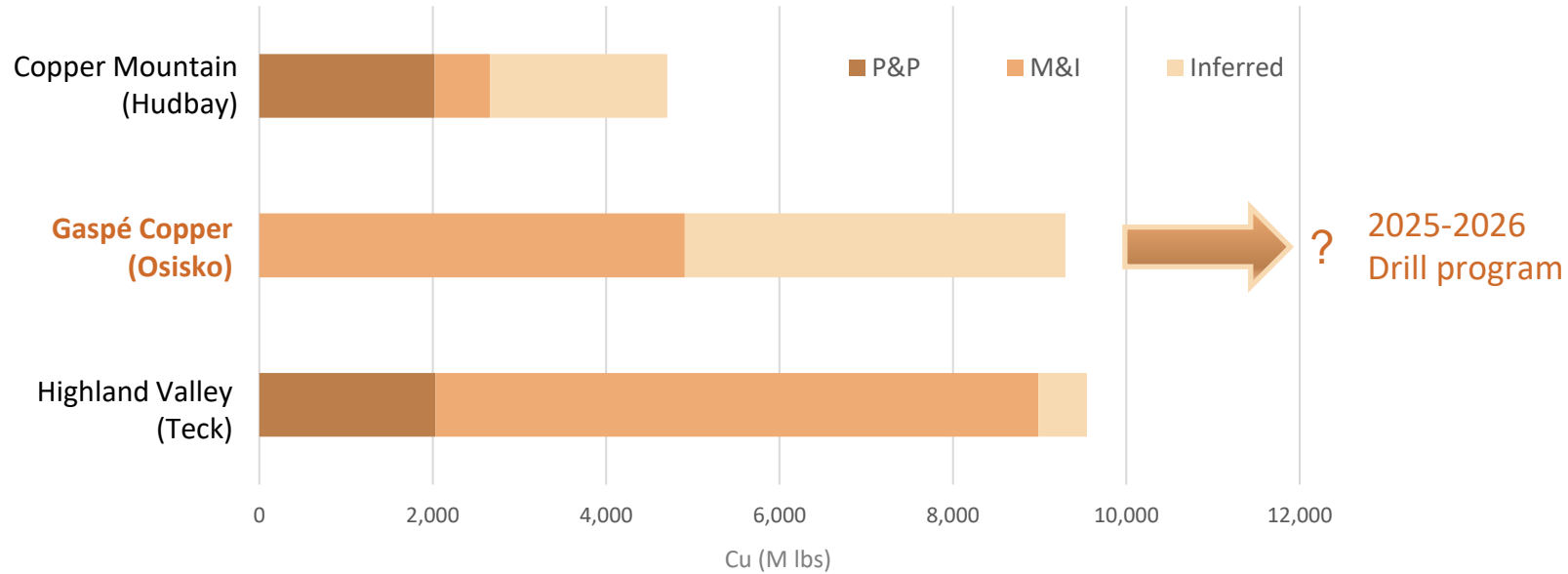


Copper developers with large-scale, multi-decade deposits are trading at a steep discount relative to smaller-scale projects as well as historical takeout multiples

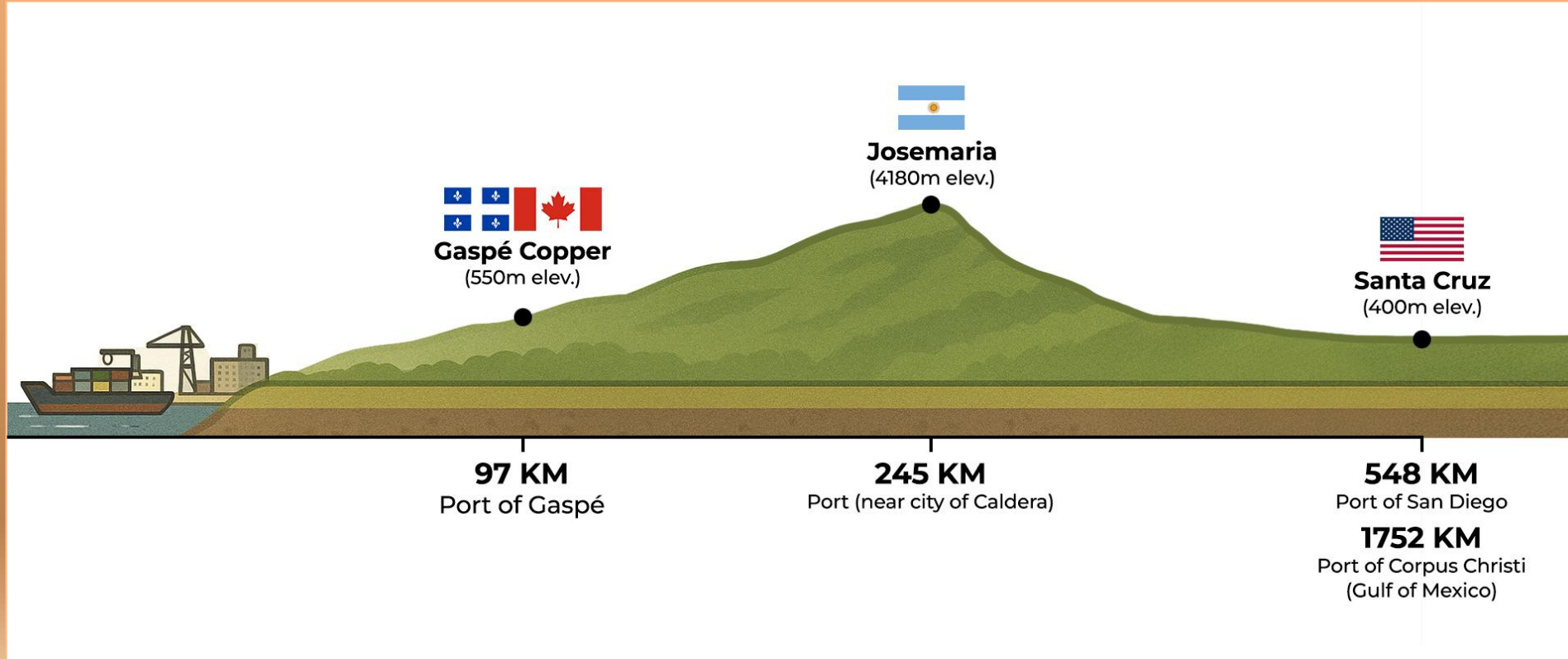
Canadian copper assets: Reserves and Resources



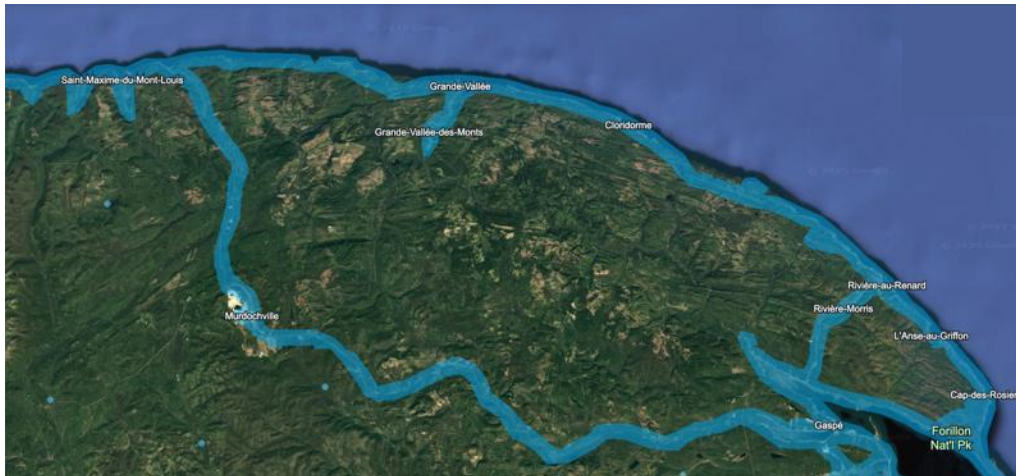
	Highland Valley (Teck)			Gaspé Copper (Osisko Metals)			Copper Mountain (Hudbay)	
	Grade Cu %	Contained Cu (M lbs)		Grade Cu %	Contained Cu (M lbs)		Grade Cu %	Contained Cu (M lbs)
P&P	0.30	2,033		–	–		0.25	2,022
M&I	0.28	6,950		0.27	4,807		0.21	639
Inferred	0.22	562		0.30	4,389		0.25	2,044



Less than 100 kilometres by paved highway to deep sea port in Gaspé: lower average shipping costs than peers



Less than 100 kilometres from Murdochville to Gaspé, a deep sea port



Closing thought



Canadian Malartic pit 2024

Gaspé Copper has the potential to become a long-lived, major open pit mine that could rival Teck's Highland Valley operation in BC and be considerably larger than the Canadian Malartic mine, discovered and developed by the Osisko team between 2005-2014.



www.osiskometals.com

