

# THE REXT COPPER GIANT

VISION - EXPERTISE - RESOURCE

**FEBRUARY 2025** 





TSXV: LBC = OTCOB: LBCMF



DE: 29H



# **DISCLOSURE**

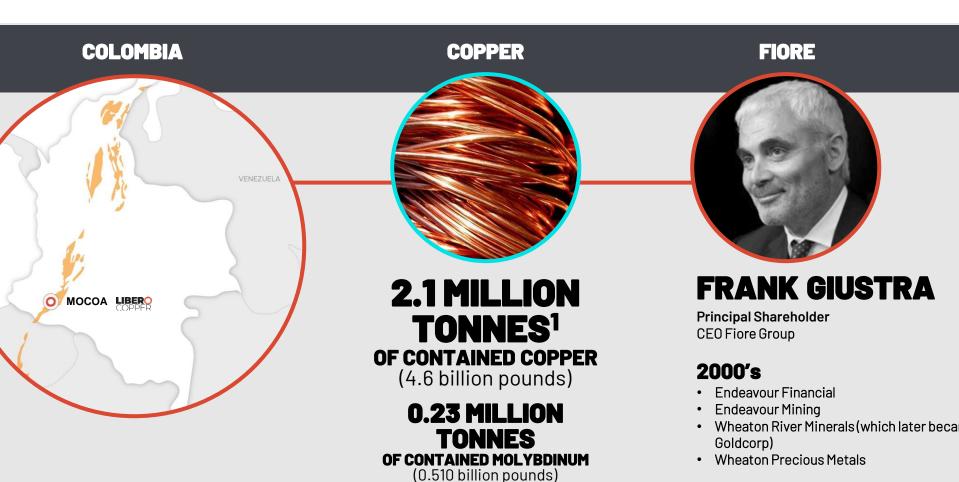
Certain statements included in this presentation are forward-looking statements within the meaning of Canadian securities laws, including the following statements: the ability of Libero Copper Corporation ("Libero" or the "Company") to develop resources and then further develop reserves and resources; the anticipated economic potential of the concessions; the availability of capital and finance for the Company to execute its commitments and strategy going forward. Forward-looking statements are based on estimates and assumptions made by the Company in light of its experience and perception of current conditions and expected future developments, as well as other factors that the Company believes are appropriate in the circumstances. Many factors could cause the Company's results, performance or achievements to differ materially from those expressed or implied by the forward looking statements, including: discrepancies between actual and estimated results from exploration and development and operating risks, dependence on early exploration stage concessions; political and foreign risks; uninsurable risks; competition; regulatory restrictions, including environmental regulatory restrictions and liability; currency fluctuations; defective title to mineral claims or property and dependence on key employees. Persons reviewing this presentation are cautioned not to place undue reliance on forward-looking statements due to inherent uncertainty therein. The Company disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

The scientific and technical information contained in this presentation has been derived from the National Instrument 43-101 ("NI 43-101") Technical Report on the Mocoa Copper-Molybdenum Project, Colombia, dated November 1, 2021, prepared by Michel Rowland Brepsant, FAuslMM, Robert Sim, P.Geo, and Bruce Davis, FAuslMM. and the NI 43-101 Technical Report on the Big Red Project, British Columbia, Canada, dated June 27, 2021 prepared by Christopher Hughes, P.Geo. The report is available on www.sedar.com. The scientific and technical information contained in this presentation has been reviewed by Edwin Naranjo Sierra, MSc and FAuslMM, who is a "Qualified Person" as defined under National Instrument 43-101 who is also a consultant to the company.

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### **WHO WE ARE**





TSXV: LBC | OTCOB: LBCMF | DE: 29H

### 2020's

- Aris Mining
- West Red Lake
- Libero Copper
- Argenta Silver
- NexGold

<sup>&</sup>lt;sup>1</sup> For further technical information about the mineral resource estimate, see slide 32

# **EXPERIENCE**

# **LIBERO**COPPER

**VENEZUELA** 

### **COBRE PANAMA**



Ernest Mast
Director
Advanced to construction
first large-scale mine in
Panama - Cobre Panama,
INMET (\$6 B construction)



**MOCOA** 

ECUADOR



Frank Giustra
Principal Shareholder
CEO Fiore Group
Founder of Aris Mining

**COLOMBIA** 

**LIBERO** COPPER

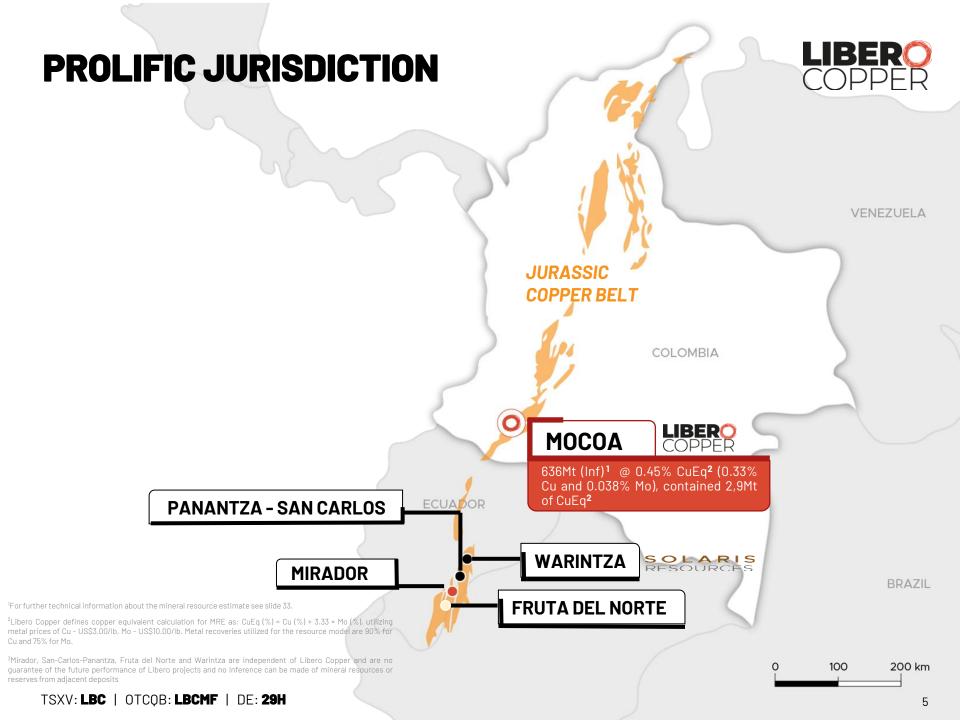


lan Harris
President & CEO, Director
Advanced to construction
first large-scale mine in
Ecuador - Mirador,
Corriente (sold for \$690 M)

**MIRADOR** 

BRAZIL





# PROJECT INFRASTRUCTURE





### 80Km<sup>2</sup> property

100%-owned; Located over the Jurassic belt. 190km northeast of Solgold flagship Cascabel project



### Accessible by paved national roads

Connecting to regional airport, Pacific ports, National transmission lines and fresh water supply

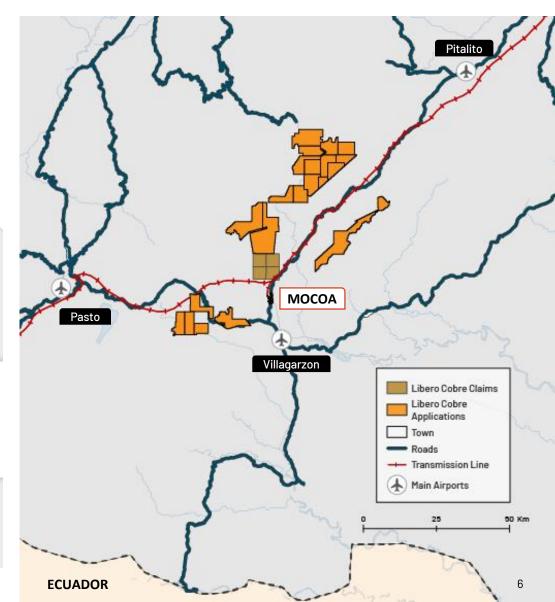


### **Grid power**

National grid 230Kv I line



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# TEAM



**MANAGEMENT** 



lan Harris
Mining engineer with 25 years
of experience, 15 in South
America.



Thyana Álvarez
20 years working with and for communities in exploration and mining projects. Part of multiple successful permitting processes in Colombia. July 2024, selected by Semana Magazine as one of the most influential women in Colombia



Edwin Naranjo Sierra

Experienced exploration geologist
(MSc, FAusIMM, SEG Fellow) with
14+ years in mineral exploration.
One of the few qualified QP's in
Colombia.

### **DIRECTORS**



Ernest Mast
MSc. Metallurgical engineer
with 30 years experience.



Jay Sujir
Senior partner with Farris,
Vaughan, Wills & Murphy LLP.
Member of the British Columbia
Advisory Committee of the TSX
Venture Exchange.



**Robert Van Egmond**Professional geologist
with over 25 years' experience.

# **SHARE STRUCTURE**



### **CAPITAL STRUCTURE**

As of Jan 28, 2025

Shares Issued & Outstanding:

Warrants:

Options:

Fully Diluted:

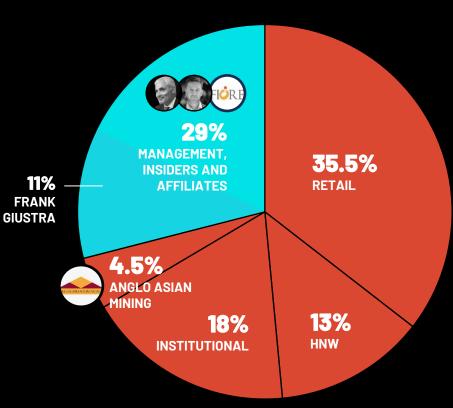
Market Cap:

Cash:

58.0 M
42.5 M
106.1 M
5.6 M
Cash:



### KEY SHAREHOLDERS



Al Wreaks Havoc on Global Power Systems - Bloomberg

Inside a copper output plunge at No. 1 global pro

Copper is the missing ingredier of the energy transition

- Economist

Five reasons why we are entering the next copper super cycle

Mining.com

Copper in 'the Mi

New York Copper Republic Communication of the Copper Republic Copper Republic

Market Tighten Will be its Everest

Again, Piling

Pressure on Sherts oldman Sachs

- Bloomberg

- Reuters

The mad scramble for copper - Richard Mills

High copper prices the new normal, likely to impact electric cars, expert warns

- Investing.com

Why the World Has Gone Cuckoo for Copper?
- Wall Street Journal

Why Copper Demails Skyrocketing?

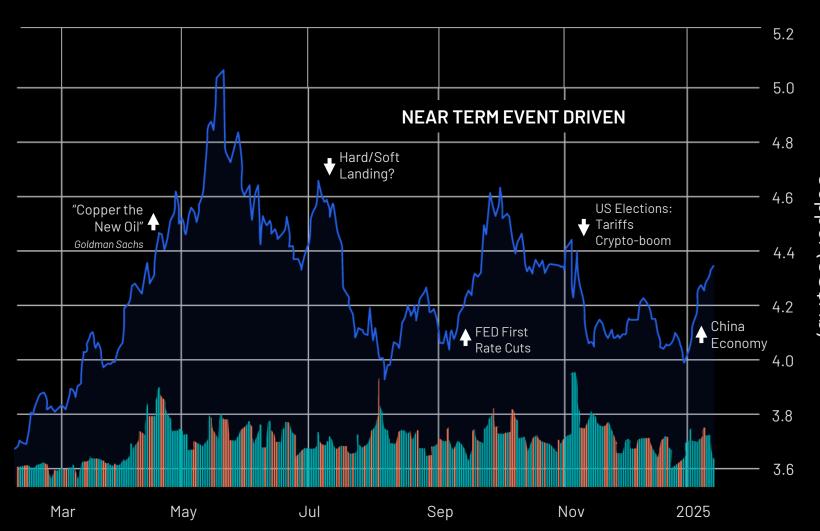
Copper is the new oil,' and prices could soar 50% as Al, green energy, and military spending boost demand - Fortune

- CNBC

# **SHORT TERM VOLATILTY**

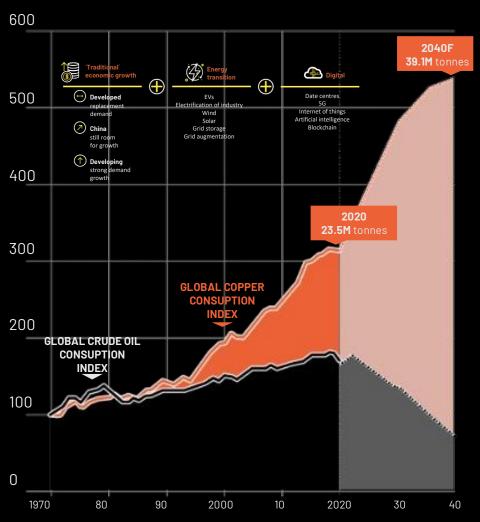
# Fueling a Long-Term Copper Supply Crisis





# **LAYERED DEMAND:**Traditional, Transition & Digital



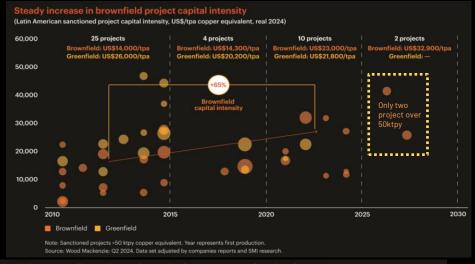


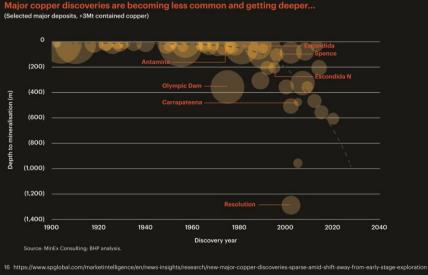
- Copper demand keeps rising with the world's ongoing electrification, but now the transition from oil to renewable power plus booming data centers and Al—adds a whole new layer of growth.
- From 2020 to 2040 the IMF estimates an
   66% increase in copper demand
- BHP estimates we need at least 1 million tonnes of new copper supply each year, and \$250 billion in investment over the next 10 years to meet these expanding needs.

Source: "BHP Insights: how copper will shape our future", Sept 2024

# LACK OF DISCOVERY & Brownfields Squeezed







- Lack of greenfields investment and squeezing every last ton out of brownfields has left the well dry
- Major new discoveries have dried up and deposits are getting deeper, driving up costs
- 239 major copper discoveries from 1990 to 2023, yet only 4 were found in the last five years—highlighting a severe shortage of new, large-scale copper deposits.

Source: "BHP Insights: how copper will shape our future", Sept 2024 Source: "New Major Copper Discoveries Sparse Amid Shift Away From Early-Stage Exploration," S&P Global Commodity Insights, July 2024



# **PROJECT: MOCOA**



### Location

Putumayo, Colombia (1,300-1,600masl)

### **Deposit**

Porphyry copper – molybdenum

### **Key info**

Inferred Resource of 636M<sup>1,3</sup> at 0.45% CuEq<sup>2</sup> (0.33% Cu and 0.038% Mo) containing 2.1 Mt Cu and 232 kt Mo

# 4.6 BILLION POUNDS OF CONTAINED COPPER (2.1 million tonnes)

<sup>1</sup>Technical Report on the Mocoa Copper-Molybdenum Project, Colombia, dated January 17thinformation, prepared by Michel Rowland Brepsant, FAuslMM, Robert Sim, P.Geo, and Bruce Davis, FAuslMM.

 $^2$ Libero Copper defines copper equivalent calculation for reporting purposes only. Copperequivalence calculated as: CuEq (%) = Cu (%) + 3.33 × Mo (%), utilizing metal prices of Cu - US\$3.00/lb, Mo - US\$10.00/lb. Metal recoveries utilized for the resource model are 90% for Cu and 75% for Mo

<sup>3</sup>A Regional Forest Reserve intersects, and is located on, the western part of the deposit. A resource-limiting pit shell is restricted by the Regional Forest Reserve to 325M tonnes at 0.46% CuEq, 0.34% Cu and 0.036% Mo (at a 0.25% CuEq cut-off grade). Libero must follow the procedures set out in Resolution No. 110 dated January 28, 2022, from the Ministry of Environment and Sustainable Development of Colombia, as may be amended, suspended or replaced from time to time, in order to proceed with any mineral exploration in the Regional Forest Reserve. While Libero believes that it can likely satisfy the procedures set out in Resolution No. 110, there is no guarantee that it will do so, and the procedures may be subject to change.

Note: The forest reserves boundaries were updated by the Colombian authorities confirming no overlap between regional forest reserve and known Mocoa resource. For more information, please refer to Libero's news release November 12, 2024.

# **RESULTS OF MD-043**





### A - MD043 @204m.

Hydrothermal breccia of propylitic altered clasts being overprinted by QSP alteration with moly infilling.

### B-MD043@227m.

Dacite porphyry breccia with intense potassic alteration (pink) mostly as halos around type A veinlets, quartz with chalcopyrite, molybdenite veinlets and disseminated chalcocite.



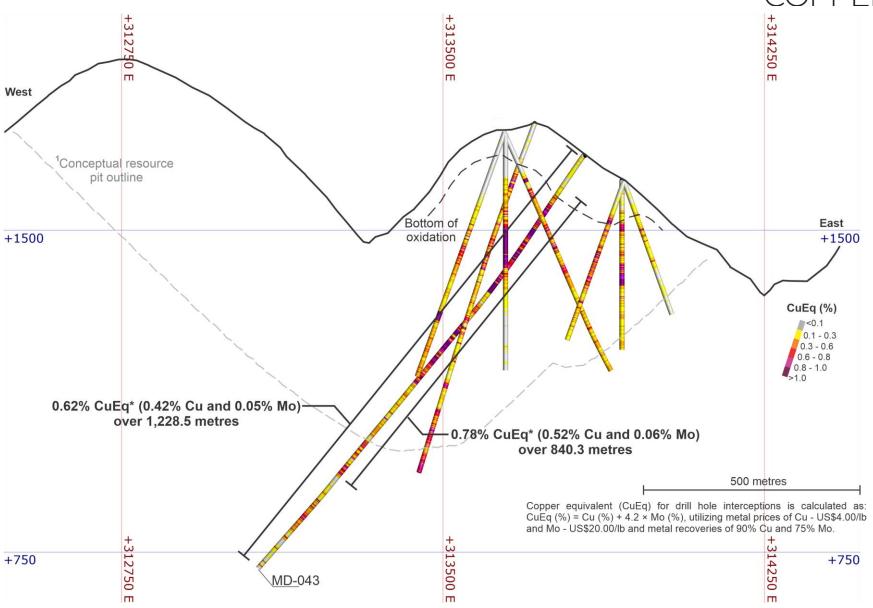
MD - 043	From	То	To Interval		Мо	CuEq*	
	m	m	m	%	%	(%)	
	7.0	1235.5	1228.5	0.42	0.05	0.62	
incl.	108.1	948.4	840.3	0.52	0.06	0.78	
and incl.	139.6	390.4	250.8	0.74	0.11	1.22	
And, and incl.	265.3	295.9	30.6	1.30	0.18	2.07	
And, and incl.	361.9	390.4	28.5	1.30	0.09	1.69	
incl.	484.9	664.9	180.0	0.74	0.08	1.07	

<sup>\*</sup>Copper equivalent (CuEq) for drill hole interceptions is calculated as: CuEq (%) = Cu (%) +  $4.2 \times Mo$  (%), utilizing metal prices of Cu - US\$4.00/lb and Mo US\$20.00/lb and metal recoveries of 90% Cu and 75% Mo. Grades are uncut.

Mineralized zones at Mocoa are bulk porphyry style zones and drilled widths are interpreted to be very close to true widths.

### **RESULTS OF MD-043**

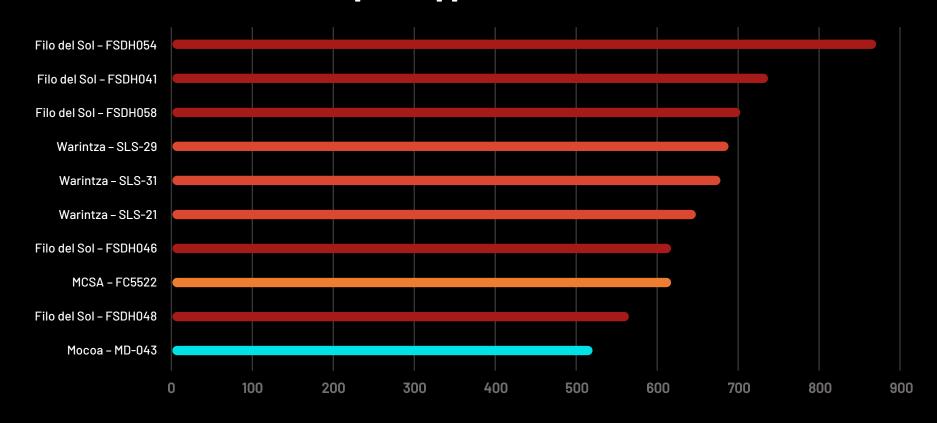




# **WORLD CLASS RESULTS**



### Feb 2022, MD-043 Was a Top 10 Copper Hit in 12 Month Previous\*



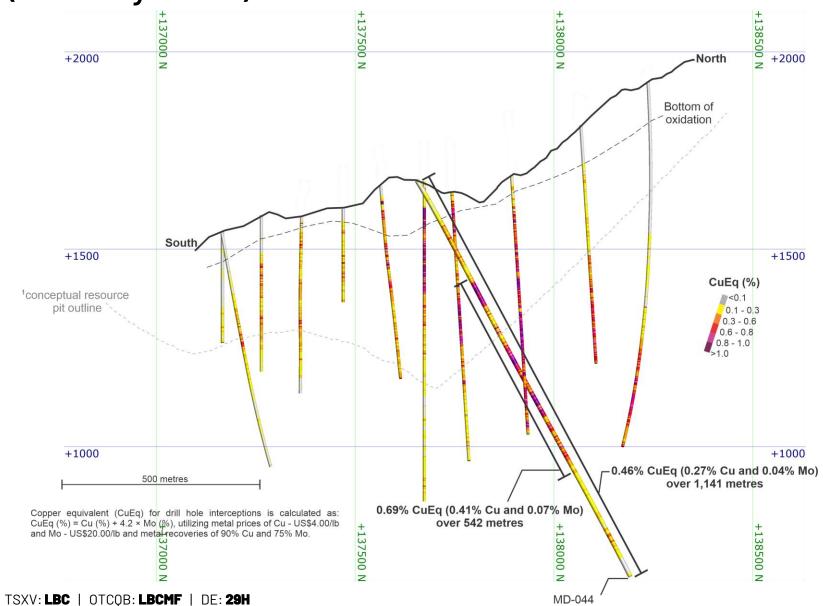
Metal Factor (%Cu-m)

<sup>\*</sup> February 2022

# **MD-044 RESULTS**

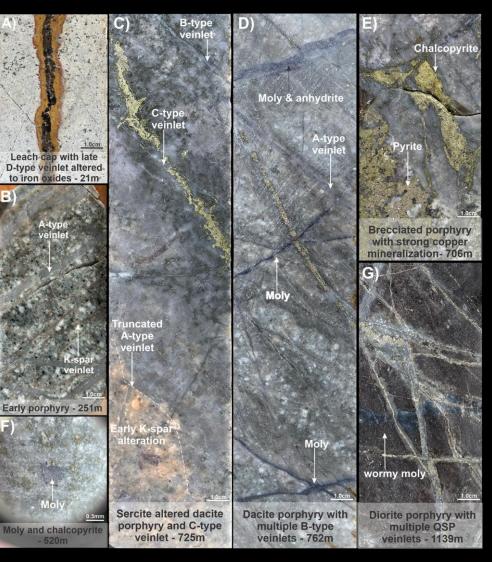
(January 2024)





# **RESULTS OF MD-044**





- 1,141 metres of continuous mineralization, starting from surface
- Multi-stage mineralization observed. Evidence of complex and prolonged hydrothermal system evolution
- Hole ended in mineralization over a potassicaltered diorite porphyry not previously identified at Mocoa

MD - 044	From (m)			<b>Cu</b> (%)	<b>Mo</b> (%)	CuEq*	
	0.0	(m) 1,141	(m) 1,141	0.27	0.04	(%) 0.46	
including	131.7	1,141	1,009	0.30	0.05	0.50	
and including	131.7	1,090	958	0.32	0.05	0.52	
and including	131.7	824	692	0.39	0.06	0.63	
and including	293.7	682	542	0.41	0.07	0.69	
and including	295.7	361.7	66	0.70	0.09	1.09	
and including	474.1	674.7	201	0.49	0.09	0.86	

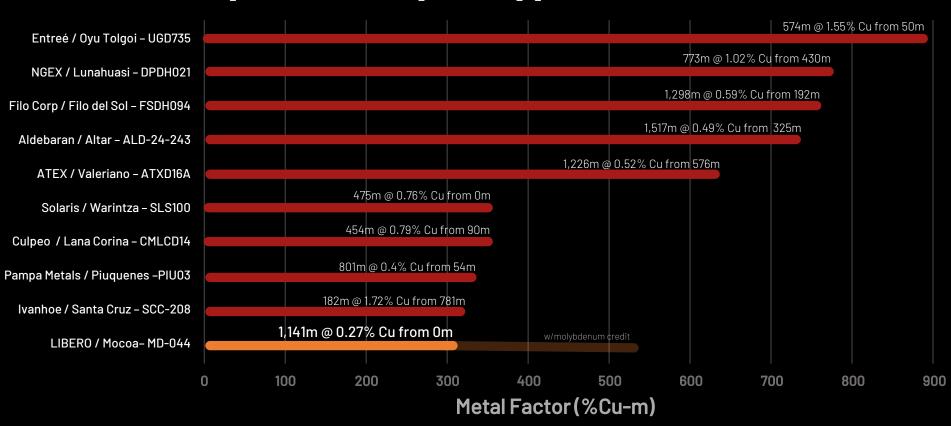
<sup>\*</sup>Copper equivalent (CuEq) for drill hole interceptions is calculated as: CuEq(%) = Cu (%) +  $4.2 \times Mo$  (%), utilizing metal prices of Cu - US\$4.00/lb and Mo US\$20.00/lb and metal recoveries of 90% Cu and 75% Mo. Grades are uncut.

Mineralized zones at Mocoa are bulk porphyry style zones and drilled widths are interpreted to be very close to true widths.

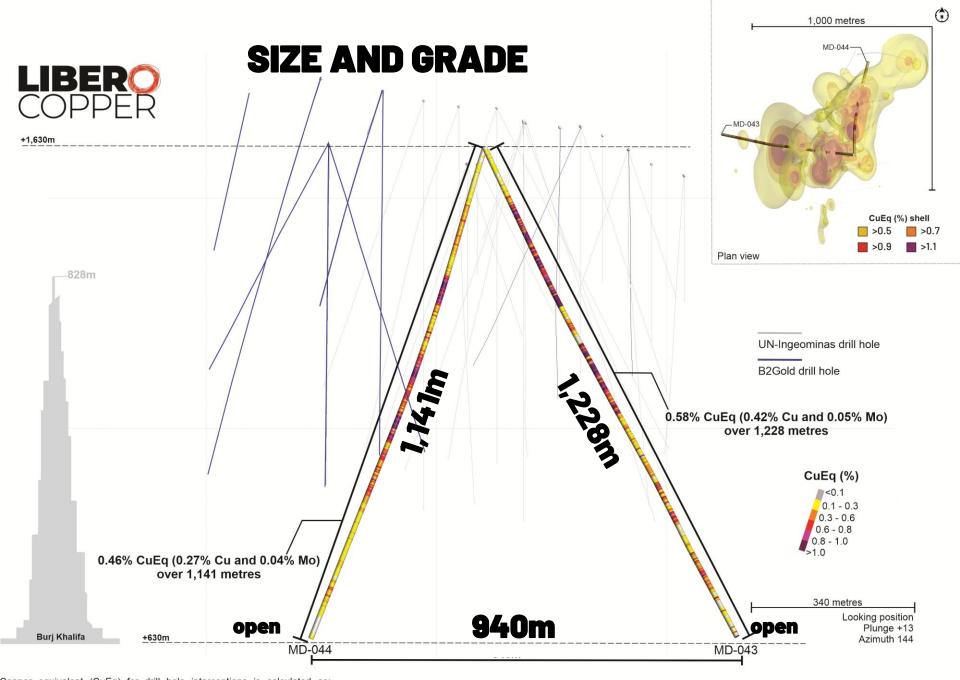
# **SIZE AND GRADE**



### MD-044 Comparable to Top 10 Copper Hits in 2024

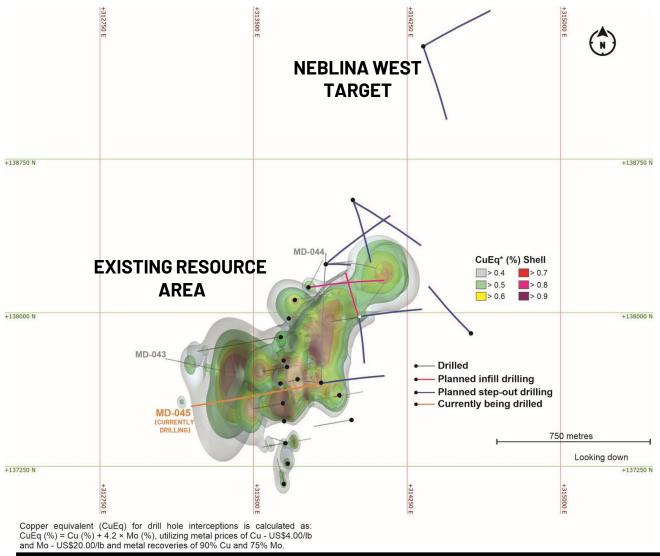


Source: MinerDeck - Copper drilling highlights in 2024



# **EXPLORATION PLAN:** 14,000-metres

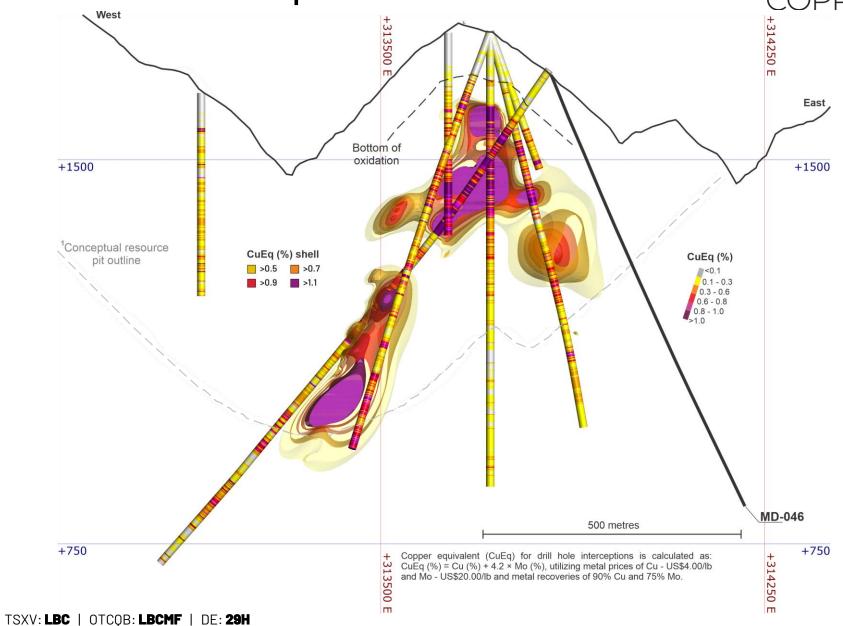




PLAN VIEW OF 14,000M DRILL PLAN AT MOCOA

# MD-046: East step-out

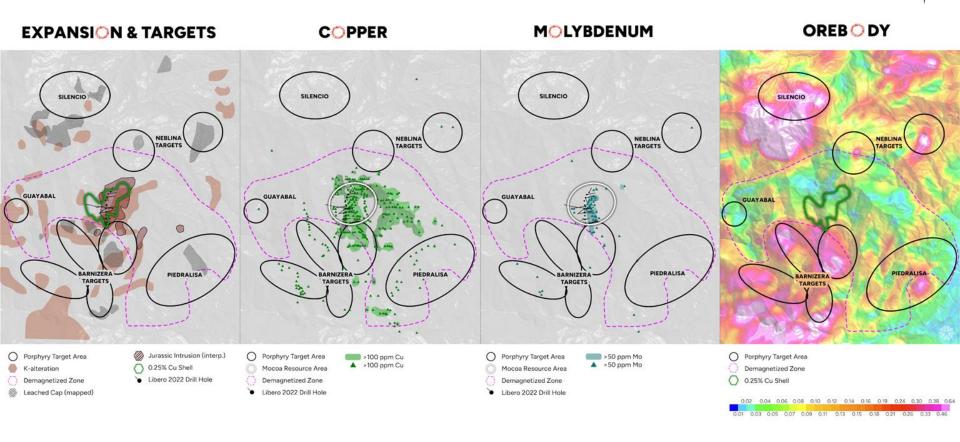




### **EXPANSION & TARGETS**



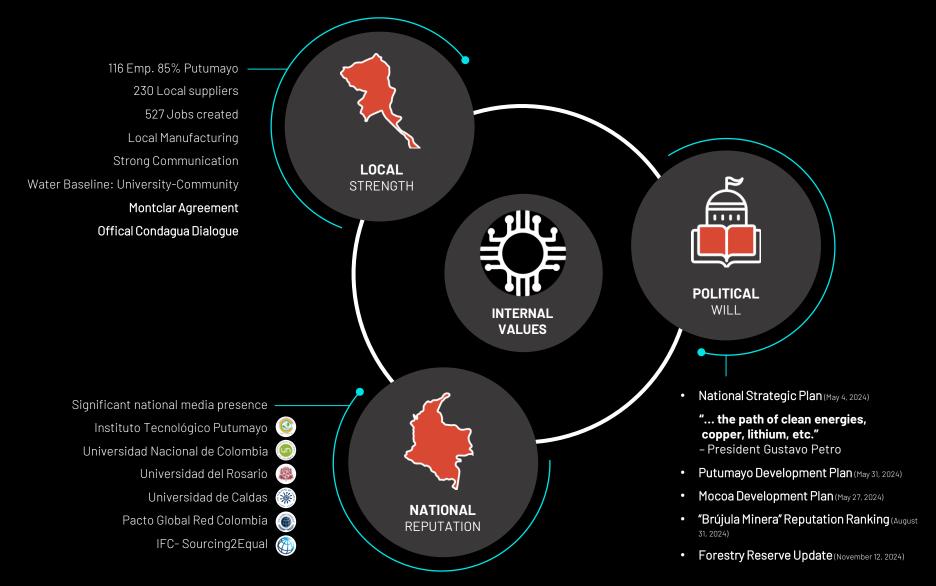




0 1 2km

# THE LIBERO WAY





# **LOCAL STRENGTH**





Cuaran Vélez
Supplies safety boots to
Libero Copper, marking the
first time these essential
items are manufactured
locally in Putumayo



**Diverso Mocoa**Provides Libero's uniforms, grew from 3 to 15 Jobs,
Empowering Women Heads of Household and
Enhancing Local Capacity



Montclar
Cooperation Agreement
On November 21, 2022,
"Cooperation Framework
Agreement" with the Montclar, the
community nearest to the Mocoa
Project. Approved with support by
95% of Montclar families



**Water Sampling** 

Training Program
Libero Copper partnered with
SENA to train local community
members in water sampling,
enabling them to participate in
environmental baseline studies
and monitor water quality



IFC's Sourcing2Equal
One of 15 Companies Selected
in Colombia, Fostering Equality
in Supply Chains and Empowering
Local Communities

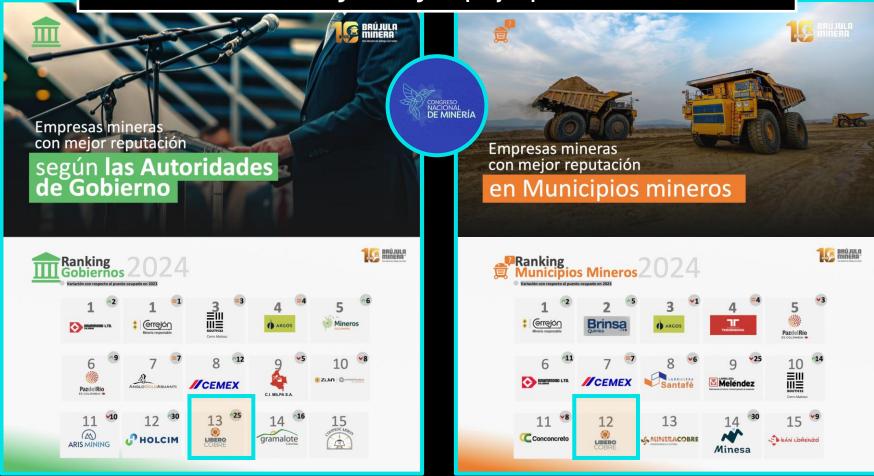


Colombia's Most Influential Women July 2024, Thyana Alvarez, Libero VP & Country Manager was selected by Semana magazine as one of the most influential women in Colombia

# **NATIONAL REPUTATION**



10<sup>th</sup> Annual Brújula Minera ("Mining Compass") at the National Mining Conference – Ranking of Mining Company Reputation



**Reputation with Government Authorities:** Ranked 13th, the second-highest exploration company after AngloGold Ashanti.

**Reputation in Mining Municipalities:** Ranked 12th, the highest-ranked exploration company in Colombia.

# **POLITICAL WILL**







National Mining Congress 2024 August 29-30

The Colombian mining sector has been and will continue to be a fundamental pillar of the national economy...

The mining sector not only plays a key role in the current situation but also plays a crucial role in the energy transition. The extraction of minerals such as copper, lithium, nickel and coal are necessary for this transition."

### Efraín Cepeda

President of Congress - Colombia

### **IMPORTANCE** OF SPONSORSHIP



As part of the Fiore Group, we have unparalleled access to capital and strategic support. Underpinned by an amazing asset and backed by a team of experienced mine builders and company creators, we are poised to pursue ambitious opportunities.

lan Harris

President & CEO Libero Copper



March 11, 2024

"Libero Copper Secures

**\$2.9 M** 

Financing"

February 15, 2024

"Libero Copper Closes

\$3.0 M

Financing"

December 12, 2024

"Libero Copper Closes

\$3.0 M

Financing"

### **LIBERO COPPER'S** CATALYSTS



### 2024

- ✓ Sponsorship: Frank Guistra & Fiore Group backing
- ✓ Balance Sheet & Structure: Cleaned up and positioned for growth
- ✓ Community & Political Alignment: Deepened support with local and regional authorities
- √ Forestry Reserve Clarification: Removed a significant development hurdle
- ✓ Operational Momentum: Mobilized and began drilling at Mocoa Started

### 2025 and Beyond: The Breakout

- ✓ MD-044: Confirm Northern expansion potential
- MD-045: Confirm SWW expansion potential
- Complete 14,000m Drill Program: design to demonstrate expansion potential
- Resource Update: aiming to surpass critical scale thresholds
- Engineering and Environmental Baseline: Advancing technical studies to derisk Mocoa
- Permitting: Build on political goodwill to ensure clear development path

# LIBERO COPPER'S UNIQUE POSITION



### **EXPERIENCE**

Mirador Cobre Panamá Aris Mining

MAJOR COPPER RESOURCE

Mocoa 4.6 billion

ACCESS TO CAPITAL

Fiore



COPPER OUTLOOK

CURRENT COPPER RESOURCE VALUATIONS

THE NEXT MAJOR PLAYER IN COPPER



### **ADDITIONAL INFORMATION**

### Ian Harris

President & CEO +1604 294 9039 harris@liberocopper.com

### Tetiana Konstantynivska

VP Investor Relations +1 778 829 8455 tk@liberocopper.com TSXV: LBC | OTCQB: LBCMF

www.liberocopper.com

### **MOCOA - MINERAL RESOURCE NOTES**



LOCATION	CATEGORY	MTONNES	CuEq(%)	Cu(%)	Mo (%)	CuEq (Blbs)	Cu (Blbs)	Mo (Mlbs)
Oxide and Transition	Inferred	139	0.41	0.32	0.026	1.25	0.99	78.3
Sulphide	Inferred	497	0.46	0.33	0.04	5.06	3.61	432.7
Total	Inferred	636	0.45	0.33	0.036	6.31	4.6	510.5

### Notes:

- 1.In-pit resource contained within shell generated using US\$3/Ib Cu and US\$10/Ib Mo. CuEq%=Cu%+Mo% × 3.33.
- 2. The mineral resources were estimated in accordance with the CIM Definition Standards for Mineral Resources and Reserves.
- 3. Base case cut-off grade for in-pit resources is 0.25% CuEq.
- 4. Metal recoveries applied: 90% Cu, 75% Mo (preliminary historical internal metallurgical testing.
- 5. The resource was constrained by an optimized pit shell using the following parameters: Cu 3.00/lb and Mo 10/lb, slope of  $45^{\circ}$ , a mining cost of 2.50/t, G&A cost of 2.00/t and an average process cost of 10.00/t.
- 6.Effective date November 01, 2021
- 7. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
- 8.Cautionary Note: A Regional Forest Reserve intersects, and is located on, the western part of the deposit. A resource-limiting pit shell is restricted by the Regional Forest Reserve to 325M tonnes at 0.46% CuEq, 0.34% Cu and 0.036% Mo (at a 0.25% CuEq cut-off grade). Libero must follow the procedures set out in Resolution No. 110 dated January 28 2022, from the Ministry of Environment and Sustainable Development of Colombia, as may be amended, suspended or replaced from time to time, in order to proceed with any mineral exploration in the Regional Forest Reserve. While Libero believes that it can likely satisfy the procedures set out in Resolution No. 110, there is no guarantee that it will do so, and the procedures may be subject to change.
- 9.For further information refer to National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") Technical Report, entitled "Technical Report on the Mocoa Copper-Molybdenum Project, Colombia, dated January 17th 2022, prepared by Michel Rowland Brepsant, FAusIMM, Robert Sim, P.Geo, and Bruce Davis, FAusIMM. with effective date of November 01, 2021".

Note: The forest reserves boundaries were updated by the Colombian authorities confirming no overlap between regional forest reserve and known Mocoa resource. For more information, please refer to Libero's news release November 12, 2024.

### **MOCOA –** QA/QC AND TECHNICAL NOTES



### Notes on drill results

- 1.\*Copper equivalent (CuEq) for drill hole interceptions is calculated as: CuEq(%) = Cu(%) + 4.2 × Mo(%), utilizing metal prices of Cu US\$4.00/lb, Mo US\$20.00/lb. Metal recoveries utilized for the resource model are 90% for Cu and 75% for Mo.
- 2. Mineralized zones at Mocoa are bulk porphyry-style zones and drilled widths are interpreted to be very close to true widths.

### Notes on QAQC procedures

Libero Copper operates according to a rigorous Quality Assurance and Quality Control (QA/QC) protocol consistent with industry best practices. Core diameter is a mix of HQ and NQ depending on the depth of the drill hole. Diamond drill core boxes were photographed, sawed, sampled and tagged in maximum 2-metre intervals, stopping in geological boundaries. Samples were bagged, tagged and packaged for shipment by truck from Libero Copper's core logging facilities in Mocoa, Colombia to the Actlabs certified sample preparation facility in Medellin, Colombia. ActLabs is an accredited laboratory independent of the company. Samples are processed in the Medellin facilities where they are analyzed for copper and molybdenum by 4-Acid digest Atomic Absorption (AA) analysis. The sample pulps are air freighted from Medellin to the ActLabs certified laboratory in Guadalajara, Mexico, where they are analyzed for a suite of 57 elements using 4-Acid digest and ICP-MS. In order to monitor the ongoing quality of assay data and the database, Libero Copper has implemented QA/QC protocols which include standard sampling methodologies, the insertion of certified copper and molybdenum standard materials, blanks, duplicates (field, preparation and analysis) randomly inserted into the sampling sequence. QA/QC program also include the ongoing monitoring of data entry, QA/QC reporting and data validation. No material QA/QC issues have been identified with respect to sample collection, security and assaying.

### Qualified Person (QP)

Edwin Naranjo Sierra, MSc and FAuslMM, registered with the Australasian Institute of Mining and Metallurgy, is the Qualified Person, as defined by the Canadian Securities National Instrument 43-101 Standard for Disclosure for Mineral Projects, for the Mocoa Cu-Mo porphyry project. Mr. Naranjo Sierra is the Manager of Exploration of Libero and is therefore not independent of Libero for the purposes of NI 43-101. He has reviewed and approved the disclosure of the scientific and technical information contained in this presentation.

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