Libero Copper Expands Potential Mocoa Footprint: Advancing New Near-deposit Targets

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VANCOUVER, Jan. 27, 2025 - Libero Copper & Gold Corp. (TSXV: LBC) (OTCQB: LBCMF) (FRA: 29H) ("Libero Copp "Company") is pleased to announce promising results from its follow-up exploration program at the Piedralisa and Estre within the Mocoa porphyry system.

Highlights

- Encouraging surface sampling results across key targets: Follow-up exploration activities at Piedralisa and Estrell returned promising Cu-Mo-Zn-Pb rock sample results, with copper values up to 1,930.5ppm, Mo values up to 695 values up to 14,200ppm and Pb values up to 4,232.5ppm. These results highlight the potential for significant mine near the Mocoa porphyry Cu-Mo deposit.
- Strategic target advancement and 3d geophysical correlation: Exploration at Piedralisa and Estrella targets confir presence of elevated metal concentrations in sericite-altered porphyry units, aligning with 3D radial symmetric iso demagnetized zones. This reinforces the interpretation of porphyry-style systems and validates the integration of geophysical surveys with fieldwork.
- Expansion potential and focused future efforts: A priority 2.5 x 2.0-kilometre area including eastern Estrella and n Piedralisa was selected for continued exploration, driven by encouraging alteration, veining, and mineralization pa

"Recent drilling delivered over 1,000 metres of continuous copper-molybdenum mineralization from surface, highlighting exceptional scale. Now, follow-up work at Piedralisa and Estrella shows this system may extend well beyond the known pointing to multiple porphyry centers. With a drill program in 2025 that's 50% larger than all previous drilling combined, on expanding the main deposit and testing this broader district potential. We believe Mocoa stands out in today's coppe and we're excited to keep demonstrating just how significant it could become" said Ian Harris, President and CEO.

Intensive follow-up exploration activities have been conducted at key targets including Piedralisa, Estrella and southeas (figure 1). The field program included detail mapping of alteration, veining and mineralization across the soil grids comp property (refer to news release February 7, 2023) and along the main creeks on the zone. A total of eighty-five rock sar systematically collected returning promising results detailed in table 1. Samples returned copper values up to 1,930.5pp values up to 695.7ppm, Zn values up to 14,200ppm and Pb values up to 4,232.5ppm.

Piedralisa target

Piedralisa target is located 3km to the southeast of the known-resource of the Mocoa porphyry deposits, was a focal po follow-up exploration, particularly in its northern sector where leach cap outcrops were extensively mapped (refer to new February 7, 2023). Rock samples from exposed outcrops highlighted elevated concentrations of Cu-Mo-Zn-Pb within sericite-altered dacite and andesite units. These observations correlate with 3D radial symmetric isosurface from intrusi and demagnetized zones identified in the early 2022 airborne geophysical survey (refer to news release May 3, 2022). it has been identified outcrops of dacite-rhyolite porphyry with strong phyllic alteration and some remanent A-type veins 2.5-kilometres east of Mocoa drilled area, highlighting the size and prolonged hydrothermal activity within the Mocoa po system (figure 2 - R00631 and figure 3G).

Estrella target

Previously referred to as target 1 (refer to news release May 3, 2022), the Estrella target is situated approximately 1 km the Mocoa porphyry deposit. This area is characterized by a 3D radial symmetric isosurface intrusion, interpreted as a p porphyry body with elevated Cu-Mo values in rock samples, and strong potassium alteration, as indicated by the radion survey. These features are further associated with a 300ppm copper anomaly in soil samples (refer to news release Fe 2023). Follow-up exploration activities were focused on the eastern section of the target, where leach cap outcrops had mapped during previous fieldwork (refer to news release February 7, 2023). Detailed rock sampling was conducted acr exposed window of argillized dacite, characterized by extensive quartz and pyrite veining indicative of a leach cap envi

similar to the upper parts of the Mocoa porphyry (figure 3A to 3D). Rock sample assay results returned Cu values up to 1,091.1ppm and Mo values up to 158.86ppm (figure 2 and figure 3H and 3I).

Next step

The identification of a targeted 2.5 x 2.0-kilometer zone (figure 2), including the eastern Estrella and northwestern Piedr sectors, represents a pivotal step in Libero's exploration efforts. This area has been prioritized for detailed fieldwork, hig the company's focus on understanding and expanding the potential of the Mocoa porphyry system. Additionally, Libero are actively exploring anomalies identified in the Neblina target, located north of the drilled Mocoa porphyry area. Their involves systematically mapping of alteration, veining, and mineralization for rock sampling.

Fieldwork is a cornerstone of Libero's exploration strategy, providing the necessary groundwork to identify new drill targ refine existing ones. This systematic approach is key for fully evaluating the scale and potential of the Mocoa system, s ongoing efforts to expand resources and enhance geological understanding.

Table 1. Assay results for rock samples(1). Coordinates are UTM. Zone 18N and WGS84 projection.

Sample Id	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Easting	Northing	Elevation
Rock samples - Mocoa deposit area							
R00114	386.67	2.60	4.76	695.70	313,849	137,807	1,661
R00115	327.97	9.64	7.46	66.23	313,904	137,747	1,617
R00143	153.96	5.69	9.26	11.36	313,533	137,555	1,689
R00144	145.93	6.75	4.41	9.01	313,498	137,555	1,645
R00152	317.93	3.42	7.06	142.26	313,790	137,800	1,677
R00159	454.80	2.00	16.69	14.87	313,899	138,206	1,950
R00301	416.39	7.79	153.88	15.07	313,582	138,474	1,850
R00302	208.63	2.98	41.15	4.32	313,503	138,509	1,797
R00303	1,338.55	2.00	10.35	6.30	313,501	138,042	1,695
R00304	1,930.59	13.81	21.19	28.35	313,520	138,222	1,717
R00367	360.73	14.32	10.88	137.12	313,739	137,833	1,752
R00368	148.96	2.39	9.17	275.59	313,745	137,837	1,746
R00372	276.46	10.59	12.48	241.64	313,786	137,887	1,759
R00380	213.64	7.83	9.71	65.15	313,832	137,930	1,764
R00383	291.13	2.00	8.45	50.98	313,834	137,935	1,756
R00398	189.12	2.00	8.66	300.60	313,868	137,949	1,765
R00445	343.14	2.12	7.94	388.37	313,865	137,968	1,748
R00483	293.69	6.48	4.48	25.56	313,465	138,070	1,700
R00539	916.23	18.12	29.42	13.95	313,280	137,783	1,553
R00654	922.70	16.35	39.86	27.93	313,303	137,748	1,607

Rock samples - East of Mocoa desposit area

R00064	146.28	34.21	141.10	12.63	314,806	137,798	1,807
R00116	115.02	5.03	5.27	12.32	314,051	138,440	1,998
R00117	373.06	2.29	40.87	9.63	314,322	138,510	2,035
R00145	145.25	4.38	7.17	4.93	314,104	137,401	1,496
R00146	295.89	9.18	5.10	8.83	314,199	137,755	1,527
R00147	103.38	4.12	5.99	23.88	314,101	137,800	1,607
R00153	245.12	8.88	8.03	78.51	313,895	137,800	1,649
R00154	439.33	17.96	10.07	82.66	313,895	137,800	1,649
R00155	110.52	2.00	9.26	1.00	313,991	138,406	2,003
R00156	878.45	7.41	9.26	7.54	314,121	138,431	2,006
R00160	190.12	2.70	6.19	8.71	314,050	138,030	1,745
R00183	1,434.38	9.46	7.28	6.52	314,170	137,991	1,647
R00189	205.85	6.00	2.80	18.92	314,085	138,007	1,671
R00205	735.03	22.60	33.10	9.21	314,240	137,418	1,428
R00206	188.57	14.15	5.86	8.88	314,190	138,208	1,819
R00207	361.23	8.94	11.16	33.70	314,298	138,217	1,838
R00224	154.66	2.00	68.71	17.03	314,896	139,294	2,007
R00283	240.35	34.64	116.55	11.34	314,350	137,401	1,424
R00284	407.54	24.32	122.59	17.01	314,598	137,401	1,567
R00285	1,091.61	76.03	593.10	43.98	314,797	137,400	1,638
R00472	106.26	2.00	278.98	17.16	315,228	138,870	2,266
R00487	105.09	22.40	130.40	11.51	314,402	137,408	1,423
R00488	137.77	310.90	103.37	11.51	314,655	137,396	1,583
R00511	132.54	3.52	3.92	65.12	314,102	137,957	1,671
R00522	386.40	20.11	33.21	2.37	314,506	137,806	1,666
R00564	619.80	7.47	12.35	28.02	314,703	138,476	1,937
R00625	145.02	1,109.43	135.70	22.94	314,999	138,201	1,868
R00626	109.64	18.05	461.69	12.99	314,901	138,205	1,888
R00629	466.62	635.29	51.11	36.75	314,802	138,199	1,957
R00630	230.53	12.30	360.45	4.32	314,649	138,202	1,997
R00631							

445.80

2,429.46

545.01

34.69

316,342

137,781

1,337

R00636	698.85	14.45	40.40	3.44	314,904	138,198	1,752
R00666	209.48	3,177.07	406.38	14.34	315,508	138,344	1,532

Rock samples - Estrella (south of Mocoa drilled area)

Sample Id	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Easting	Northing	Elevation
R00058	336.34	9.74	42.34	21.04	313,623	136,038	1,244
R00073	521.40	24.39	58.25	10.16	314,623	136,831	1,482
R00074	396.88	40.25	238.87	7.03	314,683	136,838	1,462
R00120	173.99	11.33	164.63	9.66	314,558	136,615	1,412
R00166	139.29	2.00	129.72	8.90	314,252	136,598	1,165
R00210	780.48	14.60	123.70	30.27	313,900	135,930	1,140
R00238	120.97	14.56	30.79	22.01	314,569	136,600	1,387
R00239	553.63	98.95	95.84	12.98	314,549	136,637	1,404
R00240	134.19	23.80	333.41	1.00	314,551	136,628	1,406
R00241	106.05	23.31	56.20	5.19	314,539	136,744	1,427
R00245	133.39	30.74	60.54	24.29	314,680	136,687	1,417
R00257	472.71	4.61	34.71	6.18	314,029	136,988	1,265
R00307	149.75	9.32	92.74	9.57	314,176	135,346	978
R00310	160.79	8.96	47.05	18.06	313,913	135,558	1,087
R00328	118.19	54.72	22.70	1.94	314,621	136,899	1,529
R00329	670.83	309.77	22.08	50.21	314,617	136,896	1,523
R00330	249.69	38.63	31.30	2.56	314,615	136,892	1,520
R00331	342.32	77.81	29.99	64.88	314,615	136,894	1,515
R00332	566.60	100.04	27.90	158.86	314,614	136,892	1,509
R00333	612.33	88.53	21.22	75.53	314,612	136,892	1,509
R00334	292.68	45.17	24.45	6.02	314,609	136,894	1,510
R00448	130.63	6.44	37.73	1.40	314,255	136,963	1,232
R00501	415.60	11.01	11.61	4.47	313,978	136,037	1,128
R00505	130.75	614.82	1,575.16	36.34	313,966	135,938	1,092
R00648	1,096.11	32.92	130.29	1.06	314,561	136,811	1,468

Rock samples - Piedralisa (southeast of Mocoa drilled area)

Sample Id	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Easting	Northing	Elevation
R00249							

205.12

9.88

604.33

8.55

315,081

136,470

1,181

R00357	207.20	960.95	6,441.15	57.08	315,493	136,183	1,171
R00405	179.37	11.78	94.48	2.19	315,117	136,431	1,148
R00572	227.19	2,847.84	5,190.26	10.48	315,293	136,734	1,227
R00577	719.59	623.07	765.12	30.18	315,666	136,331	1,224
R00671	130.95	684.97	14,200.00	7.59	315,638	136,422	1,202
R00673	368.51	4,232.52	6,042.76	4.09	315,694	136,468	1,243

(1) Rock samples are inherently selective in nature. As such, these results may not be representative of the underlying geological values or the overall mineralization within the sampled area.

Qualified Person and Technical Notes

Edwin Naranjo Sierra, Exploration Manager of Libero Copper, is the designated Qualified Person within the meaning of Instrument 43-101 and has reviewed and verified the technical information in this news release. Mr. Naranjo holds a MS Sciences, and is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and the Society of Economi

Mineralized zones at Mocoa are bulk porphyry-style zones. Rock samples are inherently selective in nature. As such, th may not be representative of the underlying geological values or the overall mineralization within the sampled area.

Libero Copper operates according to a rigorous Quality Assurance and Quality Control (QA/QC) protocol consistent wit best practices. For surface samples, 2.5kg of material is taken on each outcrop using chip or channel techniques. Samp taken by well-trained field helpers supervised by the geologist of the company. Core diameter is a mix of HQ and NQ d the depth of the drill hole. Diamond drill core boxes were photographed, sawed, sampled and tagged in maximum 2-me intervals, stopping in geological boundaries. All samples were bagged, tagged and packaged for shipment by truck from Copper's core logging facilities in Mocoa, Colombia to the Actlabs certified sample preparation facility in Medellin, Colo ActLabs is an accredited laboratory independent of the company. Samples are processed in the Medellin facilities wher analyzed for copper and molybdenum by 4-Acid digest Atomic Absorption (AA) analysis. The sample pulps are air freig Medellin to the ActLabs certified laboratory in Guadalajara, Mexico, where they are analyzed for a suite of 57 elements 4-Acid digest and ICP-MS. In order to monitor the ongoing quality of assay data and the database, Libero Copper has i QA/QC protocols which include standard sampling methodologies, the insertion of certified copper and molybdenum sta materials, blanks, duplicates (field, preparation and analysis) randomly inserted into the sampling sequence. QA/QC pr include the ongoing monitoring of data entry, QA/QC reporting and data validation. No material QA/QC issues have bee with respect to sample collection, security and assaying.

About the Mocoa Porphyry Copper-Molybdenum Deposit

The Mocoa deposit is located in the department of Putumayo, 10 kilometres from the town of Mocoa. Libero Copper's c holdings cover over 1,000 km2 through titles and applications, encompassing most of the Jurassic porphyry belt in sout Colombia. Mocoa was discovered in 1973 when the United Nations and the Colombian government conducted a region sediment geochemical survey. Between 1978 and 1983, an exploration program was carried out that consisted of geolo mapping, surface sampling, ground geophysics (IP, magnetics), 31 diamond drill holes totaling 18,321 metres and meta test work B2Gold subsequently executed diamond drill programs in 2008 and 2012.

The Mocoa deposit appears to be open in both directions along strike and at depth. Current work on the property has id additional porphyry targets including the possible expansion of known mineralization. The Mocoa deposit is situated in t Cordillera of Colombia, a 30-kilometre-wide tectonic belt underlain by volcano-sedimentary, sedimentary and intrusive r range in age from Triassic-Jurassic to Quaternary and by remnants of Paleozoic metasediments and metamorphic rock Precambrian age. This belt hosts several other porphyry-copper deposits in Ecuador, such as Mirador, San Carlos, Par Solaris' Warintza. Copper-molybdenum mineralization is associated with dacite porphyry intrusions of the Middle Jurass are emplaced into andesitic and dacitic volcanics. The Mocoa porphyry system exhibits a classical zonal pattern of hyd alteration and mineralization, with a deeper central core of potassic alteration overlain by sericitization and surrounded propylitization. Mineralization consists of disseminated chalcopyrite, molybdenite and local bornite and chalcocite assoc multiphase veins, stockwork and hydrothermal breccias. The Mocoa deposit is roughly cylindrical, with a 600-metre dia High-grade copper-molybdenum mineralization continues to depths in excess of 1,000 metres.

[1] For further information refer to National Instrument 43-101 - Standards of Disclosure for Mineral Projects Technical R entitled "Technical Report on the Mocoa Copper-Molybdenum Project, Colombia", dated January 17, 2022, prepared by Rowland Brepsant, FAusIMM, Robert Sim, P.Geo, and Bruce Davis, FAusIMM. with an effective date of November 01,

About Libero Copper

Libero Copper is led by a team with rare experience-having advanced projects from post-resource discovery to the path construction, including some of the few large copper projects built in the last 20 years. This real-world expertise drives L Copper's focus on relationships, responsibility, trust, and a relentless commitment to sustainable progress.

At the core of Libero Copper's portfolio is the Mocoa copper-molybdenum porphyry deposit in Putumayo, Colombia-a c asset where the Company is actively drilling. In a market increasingly hungry for new copper supply, Libero is focused o systematically expanding and de-risking Mocoa's resource base.

Now, with the Fiore Group's bold company-building vision behind it, Libero Copper is uniquely positioned to fill a crucial gap in the copper industry-advancing large-scale projects toward construction. Through this approach, Libero Copper is committed to creating lasting value for all stakeholders while positioning itself at the forefront of meeting the growing global demand for copper-the metal driving progress in the modern economy.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

This news release includes forward-looking statements that are subject to risks and uncertainties. All statements within, other than statements of historical fact, including statements regarding the actual rock sample results will lead to significant mineralization, anticipated drilling and expected results, the resulting other activities and achievements of the Company, including but are not limited to: the potential for the Mocoa Project resource estimate to expand in size, the belief that all necessary permits are currently in place for the initial phase of the Mocoa Project, and the timing and success for the advancement of the Mocoa Project, are to be considered forward looking. Although Libero Copper believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in forward-looking statements. Factors that could cause actual results to differ materially from those in forward-looking statements include market prices and volatility with the Company's common shares, exploitation and exploration successes, uncertainty of reserve and resource estimates, risks of not achieving production, continued availability of capital and financing, processes, permits and filing requirements, risks related to operations in foreign and developing countries and compliance with foreign laws and including risks related to changes in foreign laws and changing policies related to mining and local ownership requirements in Colombia, and general economic, market, political or business conditions and regulatory and administrative approvals. There can be no assurances that such statements will prove accurate and, therefore, readers are advised to rely on their own evaluation of such uncertainties. We do not assume any obligation to update any forward-looking statements.

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