

NEWS RELEASE

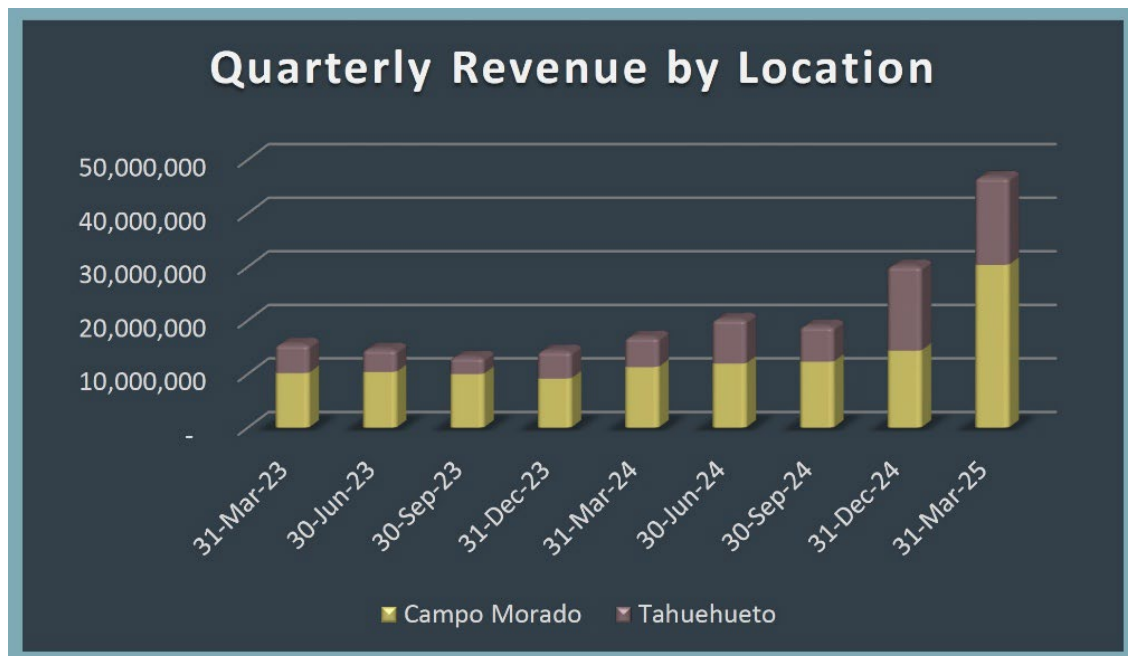
LUCA ANNOUNCES US\$4.5 MILLION OF NET EARNINGS IN Q1 2025

Vancouver, British Columbia, May 28, 2025

Luca Mining Corp. (“Luca” or the “Company”) (TSX-V: LUCA; OTCQX: LUCMF; Frankfurt: Z68) is pleased to report an exceptional first quarter of 2025 with \$4.5 million in net earnings, \$7.6 million in EBITDA and \$11.7 million in free cash flow before working capital items. All amounts are in U.S. dollars unless otherwise indicated.

Highlights from the first quarter are as follows:

- In health and safety, the Company reported a TRIFR (total recordable injuries frequency rate) of 0.87, improvement over the prior year and achieved 1,000,000 hours of no lost time incidents at Campo Morado in the first quarter of 2025.
- Record revenues, up 117% from the same quarter in the previous year to over \$47.4 million.



- Positive EBITDA of \$7.6 million and adjusted EBITDA of \$12.7 million.
- Positive free cashflow before working capital items increased significantly to \$11.7 million.

- Record consolidated gold equivalent production of 21,293 ounces, a 51% increase compared to Q1 2024, supported by higher throughput and improved head grades at both Campo Morado and Tahuehueto.
- Strong throughput growth, with a 55% increase in tonnes milled year-over-year to 246,282 tonnes, Campo Morado processed 175,334 tonnes (+40%), while Tahuehueto more than doubled to 70,948 tonnes.
- Gold production reached 7,677 ounces, up 79% from Q1 2024, alongside increases of 69% in silver and 71% in zinc, reflecting higher grades and volumes at both mines.
- Lead and copper production increased 65% and 44%, respectively, year over year, supporting broader metal output diversification and revenue growth.
- Campo Morado sustained a near 2,000 tpd processing rate, supported by over 1,800 meters of mine development and improved haulage capacity with new trucks and ramp access.
- Tahuehueto gold equivalent production increased 90%, reaching 6,937 ounces, despite underground development delays, highlighting operational resilience and plant stability.
- All-in sustaining cost (AISC) per AuEq ounce sold remained controlled at \$2,251, up just 9% from the prior year despite inflationary pressures and ramp-up expenses.
- Since January 1, 2025, the Company has paid down \$8.4 million against its debt facilities, resulting in a current debt balance of \$8.5 million. Luca's total cash and cash equivalents balance (including silver bullion on hand) is currently \$24.6 million.

Dan Barnholden, CEO, commented, *“Our Q1 results are the product of a solid operational foundation laid over the course of 2024. Going forward, I expect our financial and operational results to demonstrate our commitment to continuous improvement at both of our mines. We have set the table for a transformational year and our results, announced today, are indicative of what Luca is capable of.”*

The consolidated financial and operating results for the three months ended March 31, 2025, are summarized below.

Consolidated	Three months ended		
	March 31 2025	March 31 2024	% Change
Operating			
Tonnes mined	259,506	135,262	92%
Tonnes milled	246,282	158,424	55%
Gold ("Au") ounces produced	7,677	4,297	79%
Silver ("Ag") ounces produced	350,669	207,505	69%
Lead ("Pb") produced (lbs)	2,401,418	1,456,297	65%
Zinc ("Zn") produced (lbs)	11,547,374	6,763,320	71%
Copper ("Cu") produced (lbs)	2,507,061	1,744,679	44%
AuEq produced (oz) ⁽¹⁾	21,293	14,148	51%
Gold ounces sold	6,720	3,579	88%
Silver ounces sold	273,198	150,092	82%
Lead sold (lbs)	988,398	389,375	154%
Zinc sold (lbs)	8,392,973	4,555,046	84%
Copper sold (lbs)	1,833,735	1,170,402	57%
AuEq sold (oz) ⁽¹⁾	16,600	10,053	65%
Direct mining cost per tonne (\$) ⁽⁵⁾⁽⁹⁾	88	72	21%
Cash cost per AuEq ounce sold (\$) ⁽¹⁾⁽²⁾⁽⁵⁾	1,896	1,775	7%
AISC per AuEq ounce sold (\$) ⁽¹⁾⁽³⁾⁽⁵⁾	2,251	2,066	9%
All-in cost per AuEq ounce sold (\$) ⁽¹⁾⁽⁵⁾	2,700	2,114	28%
Financial			
Net Revenue	\$ 38,617	\$ 16,341	136%
Cost of Sales	25,254	12,735	98%
Mine operating earnings	13,363	3,606	271%
Mine operating cash flow before taxes ⁽⁷⁾	15,728	4,038	290%
Net earnings	4,520	5,301	(15%)
Adjusted net earnings ⁽⁵⁾	9,741	1,109	778%
Net free cashflow before working capital ⁽¹⁰⁾	11,711	3,148	272%
EBITDA ⁽⁴⁾⁽⁵⁾	7,589	6,386	19%
Adjusted EBITDA ⁽⁴⁾⁽⁵⁾	12,741	1,973	546%
Realized gold price per ounce (\$) ⁽⁵⁾⁽⁶⁾	2,851	2,056	39%
Realized silver price per ounce (\$) ⁽⁵⁾⁽⁶⁾	31.69	22.99	38%
Realized lead price per lb (\$) ⁽⁵⁾⁽⁶⁾	0.89	0.92	(4%)
Realized zinc price per lb (\$) ⁽⁵⁾⁽⁶⁾	1.29	1.09	18%
Realized copper price per lb (\$) ⁽⁵⁾⁽⁶⁾	4.18	3.80	10%
Working capital ⁽⁵⁾	751	(30,002)	(103%)
Shareholders			
Earnings per share – basic and diluted	0.02	0.03	(46%)
Adjusted earnings per share – basic and diluted ⁽⁵⁾	0.04	0.01	516%
Weighted average shares outstanding – basic ('000)	230,252	161,566	43%
Weighted average shares outstanding – diluted ('000)	256,814	161,566	59%

- Gold equivalents are calculated using an 89.95:1 (Ag/Au), 0.0005:1 (Au/Zn), 0.0015:1 (Au/Cu) and 0.0003:1 (Au/Pb) ratio for Q1 2025; and Gold equivalents are calculated using an 88.72:1 (Ag/Au), 0.0005:1 (Au/Zn), 0.0018:1 (Au/Cu) and 0.0005:1 (Au/Pb) ratio for Q1 2024; respectively.
- Cash cost per gold equivalent ounce includes mining, processing, and direct overhead costs. See Reconciliation to IFRS on page 35.
- AISC per AuEq oz includes mining, processing, direct overhead, corporate general and administration expenses, reclamation, and sustaining capital on page 35.
- See Reconciliation of earnings before interest, taxes, depreciation, and amortization on page 32.
- See "Non-IFRS Financial Measures" on page 31.
- Based on provisional sales before final price adjustments, treatment, and refining charges.
- Mine operating cash flow before taxes is calculated by adding back royalties, changes in inventory and depreciation and depletion to mine operating earnings. See Reconciliation to IFRS on page 31.
- All-in cost per AuEq oz includes AISC plus interest paid and loan payments. See page 35.
- Direct mining costs include mining, processing, and direct overhead cost at the operation sites. See reconciliation on page 35.
- Net free cash flow before working capital is operating cash flow before working capital changes, less capital expenditures. See page 33.

Operating metrics for the Campo Morado and Tahuehueto mines for the first quarter period ended March 31, 2025, are summarized below.

Quarter Production Summary	Three months ended March 31, 2025			Three months ended March 31, 2024		
	Campo Morado	Tahuehueto	Consolidated	Campo Morado	Tahuehueto	Consolidated
Production						
Tonnes milled	175,334	70,948	246,282	125,105	33,319	158,424
Gold ounces produced	2,980	4,697	7,677	1,929	2,368	4,297
Silver ounces produced	285,757	64,912	350,669	180,108	27,396	207,504
Lead produced (lbs)	1,284,687	1,116,731	2,401,418	903,744	552,553	1,456,297
Zinc produced (lbs)	9,954,295	1,593,079	11,547,374	5,731,806	1,031,514	6,763,320
Copper produced (lbs)	2,208,604	298,457	2,507,061	1,649,557	95,122	1,744,679
AuEq produced (oz) ⁽¹⁾	14,356	6,937	21,293	10,491	3,657	14,148
Sales						
Gold ounces sold	2,366	4,354	6,720	1,282	2,297	3,579
Silver ounces sold	216,864	56,334	273,198	130,624	19,468	150,092
Lead produced (lbs)	-	988,398	988,398	-	389,375	389,375
Zinc produced (lbs)	7,370,599	1,022,374	8,392,973	4,084,981	470,065	4,555,046
Copper produced (lbs)	1,833,735	-	1,833,735	1,170,402	-	1,170,402
AuEq ounces sold⁽¹⁾	10,847	5,753	16,600	7,108	2,945	10,053
Cost						
Direct mining cost per tonne (\$) ⁽⁴⁾⁽⁶⁾	77	114	88	62	110	72
Cash cost per AuEq ounce sold (\$) ⁽¹⁾⁽²⁾⁽⁴⁾	1,993	1,712	1,896	1,821	1,665	1,775
AISC per AuEq ounce sold (\$) ⁽¹⁾⁽³⁾⁽⁴⁾⁽⁵⁾	2,121	2,054	2,251	1,909	1,881	2,066
All-in cost per AuEq oz sold (\$) ⁽¹⁾⁽³⁾⁽⁵⁾	2,220	2,546	2,700	1,909	1,881	2,114

- Gold equivalents are calculated using an 89.95:1 (Ag/Au), 0.0005:1 (Au/Zn), 0.0015:1 (Au/Cu) and 0.0003:1 (Au/Pb) ratio for Q1 2025; and Gold equivalents are calculated using an 88.72:1 (Ag/Au), 0.0005:1 (Au/Zn), 0.0018:1 (Au/Cu) and 0.0005:1 (Au/Pb) ratio for Q1 2024; respectively.
- Cash cost per gold equivalent ounce includes mining, processing, direct overhead costs and treatment and refining charges. See Reconciliation to IFRS on page 35.
- AISC per AuEq oz includes mining, processing, direct overhead, corporate general and administration expenses, reclamation, and sustaining capital on page 35.
- See "Non-IFRS Financial Measures" on page 31.
- All-in cost per AuEq oz includes AISC plus interest paid and loan payments. See page 35.
- Direct mining costs include mining, milling, and direct overhead cost at the operation sites. See reconciliation on page 35.

Exploration Continues to Yield Promising Results for Resource Expansion

Drilling is underway at both the Campo Morado and Tahuehueto mines with the objective to delineate additional near mine resources to add to the mine plan. The Company is also planning to drill farther afield to test the district scale potential of its properties.

Campo Morado

Drillhole CMUG-25-012 drilled 3.8 metres ("m") of 12.54 g/t AuEq (3.8m of 5.4 g/t Au, 288 g/t Ag, 0.8% Cu, 2.2% Pb and 6.4% Zn) within a wider 15.8m of 4.87 g/t AuEq (2.2 g/t Au, 109 g/t Ag, 0.3% Cu, 0.8% Pb and 2.4% Zn) representing the discovery of a new mineralized zone within the G9 Deposit (See Company News Release Dated May 12, 2025).

Nineteen underground drillholes have been completed to date as part of a 5,000m Phase 1 program targeting near-mine resource expansion. Untapped high-grade mineral potential close to existing mine workings continues to be identified in under drilled zones – results to inform updated mineral resource and mine plans.

In addition, surface drilling is underway to test property-wide targets including Reforma and El Rey – first exploration at these deposits since 2010. Campo Morado hosts a large cluster of polymetallic massive sulphide deposits containing gold, silver, zinc, copper, and lead mineralization within a highly prospective land package totaling over 121 square kilometres within the Sierra Madre del Sur mineral belt.

Tahuehueto

At Tahuehueto, a new high-grade breccia mineralized shoot was discovered within the El Creston vein system located approximately 60m below the active mine workings of Level 23. The discovery drill hole returned 9.4m of 5.21 g/t AuEq within a larger 13.9m zone of 3.90 g/t AuEq (See Company News Release dated May 5, 2025).

An additional new high-grade breccia mineralized shoot was discovered at an untested area of the Creston FW Vein north of the current underground workings, with three new drill holes returning results including: 4.8m of 5.62 g/t AuEq, 6.9m of 4.10 g/t AuEq and 5.1m of 5.62 g/t AuEq, including 2.4m of 9.37 g/t AuEq.

Twenty-three underground drillholes have been completed to date including over 550m of a planned 5,000m Phase 2 underground drilling program targeting near-mine resource expansion. Additional mineral potential was identified in underexplored zones and the results will inform updated mineral resource and near and medium term Tahuehueto mine plans.

Surface drilling has begun at the Santiago deposit which is one of 18 identified mineralized veins on the Tahuehueto Property and has been prioritized for additional exploration for its favourable geology, shallow setting and historic mineral resource.

The Company intends to carry on and expand its exploration efforts based upon the successful initial drilling results at Campo Morado and Tahuehueto. Multiple, untested priority targets exist at both projects.

Cash Generation

As planned, the Company has been steadily reducing its debt and since January 1, 2025, the Company has paid down \$8.4 million against its debt facilities, resulting in a current debt balance of \$8.5 million. Luca's total cash and cash equivalents balance (including silver bullion on hand) is currently \$24.6 million and growing, as strong cash flow from operations continues and further warrant exercises are expected.

Luca is in a unique position to benefit from the continuing strong commodity demand cycle with its diversified metal production profile. Along with its strong and growing cash balance, debt elimination in 2026, and expanding production levels, the Company is set for another quarter and beyond of exceptional performance.

Inclusion in Solactive Index Fund

Luca has met the inclusion criteria and has been added to the Solactive Global Copper Miners Total Return Index, with an inclusion date of May 1, 2025. This index is tracked by the Global X Copper Miners ETF (COPX). Further information is available on the respective websites for Solactive and Global X.

Proactive and Successful Health and Safety Record

The Company is proud of its outstanding health and safety record, having recently celebrated a major milestone of one million hours without a Lost Time Incident at Campo Morado.

This achievement underscores the Company's unwavering commitment to safety and operational excellence and is a testament to the dedication, professionalism and teamwork of our operations team. Their commitment to high safety standards, clear communication and collaboration made this possible.

Maintaining a safe and efficient work environment is a key pillar of the Company's sustainability and operational strategy. Luca continually invests in comprehensive safety training, rigorous protocols and advanced monitoring systems to protect the health and well-being of the Company's workforce at both the Campo Morado and Tahuehueto mines.

As a conscientious mining entity, Luca recognizes the paramount importance of the Health and Safety of our employees and the significance of Environmental, Social, and Governance considerations in all aspects of its operations. Our four key pillars of responsible and sustainable mining operations are 1) Health and Safety, 2) Environmental Stewardship, 3) People, Community and Culture and 4) Governance & Ethics.

About Luca Mining Corp.

Luca Mining Corp. (TSX-V: LUCA, OTCQX: LUCMF, Frankfurt: Z68) is a Canadian mining company with two wholly owned mines located in the prolific Sierra Madre mineral belt in Mexico. These mines produce gold, copper, zinc, silver, and lead and generate strong cash flow. Both mines have considerable development and resource upside as well as tremendous exploration potential.

The Company's Campo Morado Mine hosts VMS-style, polymetallic mineralization within a large land package comprising 121 sq km. It is an underground operation, producing gold, silver, copper, zinc, and lead. The mine is located in Guerrero State.

The Tahuehueto Mine is a large property of over 75 sq km in Durango State. The project hosts epithermal gold and silver vein-style mineralization. Tahuehueto is a newly constructed underground mining operation producing primarily gold and silver. The Company has successfully commissioned its mill and is now in commercial production.

For more information, please visit: www.lucamining.com

On Behalf of the Board of Directors

(signed) "Dan Barnholden"

Dan Barnholden, CEO

Qualified Persons

The scientific and technical information contained in this press release relating to the Company's mines and mineral projects has been reviewed and approved by Mr. Ramon Mendoza Reyes, P.Eng., a Qualified Person within the meaning of National Instrument 43-101, "Standards for Disclosure of Mineral Projects." The scientific and technical information contained in this press release relating to the Company's geology

and exploration projects has been reviewed and approved by Mr. Paul D. Gray, P.Geo., a Qualified Person within the meaning of National Instrument 43-101, "Standards for Disclosure of Mineral Projects."

Cautionary Note Regarding Production Decisions and Forward-Looking Statements

Statements contained in this news release that are not historical facts are "forward-looking information" or "forward-looking statements" (collectively, "Forward-Looking Information") within the meaning of applicable Canadian securities laws. Forward Looking Information includes, but is not limited to, estimated production guidelines for 2025 and other possible events, conditions or performance that are based on assumptions about the proposed exploration program and its anticipated results; the timing and costs of future activities on the Company's properties, such as production rates and increases and sustaining capital expenditures; success of exploration, development, and metres to be drilled in exploration on the Tahuehueto Mine site and the Campo Morado Mine site. In certain cases, Forward-Looking Information can be identified using words and phrases such as "plans", "expects", "scheduled", "estimates", "forecasts", "intends", "anticipates" or variations of such words and phrases. In preparing the Forward-Looking Information in this news release, the Company has applied several material assumptions, including, but not limited to, that the Company will be able to raise additional capital as necessary; the current exploration, development, environmental and other objectives concerning the Tahuehueto Mine can be achieved; that consistent and sustainable mill feed at Campo Morado Mine will be achieved; the continuity of the price of gold and other metals and economic and political conditions. 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 future results, performance or achievements expressed or implied by the Forward-Looking Information. There can be no assurance that Forward-Looking Information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on Forward-Looking Information. Except as required by law, the Company does not assume any obligation to release publicly any revisions to Forward-Looking Information contained in this news release to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

Neither 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.

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Non-IFRS Financial Measures

The Company has disclosed certain non-IFRS financial measures and ratios in this news release, as discussed below. These non-IFRS financial measures and non-IFRS ratios are widely reported in the mining industry as benchmarks for performance and are used by Management to monitor and evaluate the Company's operating performance and ability to generate cash. The Company believes that, in addition to financial measures and ratios prepared in accordance with IFRS, certain investors use these non-IFRS

financial measures and ratios to evaluate the Company's performance. However, the measures do not have a standardized meaning under IFRS and may not be comparable to similar financial measures disclosed by other companies. Accordingly, non-IFRS financial measures and non-IFRS ratios should not be considered in isolation or as a substitute for measures and ratios of the Company's performance prepared in accordance with IFRS.

Non-IFRS financial measures are defined in National Instrument 52-112 – Non-GAAP and Other Financial Measures Disclosure ("NI 52- 122") as a financial measure disclosed that (a) depicts the historical or expected future financial performance, financial position or cash flow of an entity, (b) with respect to its composition, excludes an amount that is included in, or includes an amount that is excluded from, the composition of the most directly comparable financial measure disclosed in the primary financial statements of the entity, (c) is not disclosed in the financial statements of the entity, and (d) is not a ratio, fraction, percentage or similar representation.

A non-IFRS ratio is defined by 52-112 as a financial measure disclosed that (a) is in the form of a ratio, fraction, percentage or similar representation, (b) has a non-IFRS financial measure as one or more of its components, and (c) is not disclosed in the financial statements.